

PADS4 release notes

Thursday, March 14, 2024

This document describes new features and fixes of consequent build versions of PADS4 since the first official release. To improve readability not all minor changes are included in this document.

The incident number corresponds with an ID that is generated within NDS.

The build number version mentioned in the header can be found in the PADS4 applications when you go to Help/About and is shown during startup in the popup window.

With the release of PADS4 2020.1 there are changes in installing and updating software. Please read the online installation manual before updating current installations and follow the procedure described.

Online PADS4 partner portal

Checkout the online PADS4 partner portal <https://support.pads4.com>. Here you can find useful resources to make sure you always have the most recent software and documentation.

PADS4 Software Downloads

PADS4 setup

[Download](#)

[Installation Manual](#)

PADS4 Clients setup

[Download](#)

[Installation Manual](#)

PADS4 Dedicated HTML5 Viewer launchers

[Installation Manual](#)

Check out topic certified devices for more information about support for devices used by your organization.

PADS4 Viewer device documentation

Contains information on how to install PADS4 on certified devices using dedicated launchers and which features are supported for each device.

Check out the online [Certified PADS4 Viewer devices](#) documentation for detailed information.

Additional Help Documents

PADS4 getting started manual

[Download](#)

PADS4FIDS manual and examples (zip)

[Download](#)

(old) PADS4 Installation manual

[Download](#)

New Features list

PADS4 2024.1 (March 14th)

Important: If you want to upgrade to PADS4 2024.1 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2024.1. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2024.1, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Description
PADS4 Workspace Dataprovider	This new dataprovider introduces enhanced data retrieval, advanced filtering, improved error handling and greatly improved performance. Using the meeting room v2 presentation will allow you to easily make use of this new functionality.
PADS4 Workspace	The improved interactions in some areas of PADS4 Workspace allows smoother transition between tasks for a more engaging and efficient user experience.
PADS4 Platform	Innes LED sensor support has been added to the PADS4 Device Gateway
	The PADS4 Dataserver and PADS4 Replication service has received a substantial update to their robustness and stability. It will handle large data sets far better and will be overall more reliable under high server load.
	We added the ability to restart the viewer (instead of just reboot) via the API. You can also now use this restart functionality in the PADS4 CTRL Center.
PADS4 Philips	We now use the internal Chromium webview installed on the device. This should result in a more stable and smooth experience.
PADS4 HTML5 Viewer	We improved the way the viewer validates the files from the content library on the disk. This should increase subsequential startup times significantly and will free up disk space by removing any invalid files still stored on the device.
PADS4 Viewer	The web element (Chromium and Edge) will now use the locale and region settings that are configured in Windows, instead of the default en-US. This will allow you to display websites in different languages if supported by the site.
PADS4 Proxy	In this release we are introducing an experimental option called YARP (Yet Another Reverse Proxy). YARP will eventually replace NGINX, which will increase the amount of connections a single server can handle.
Security	<ul style="list-style-type: none"> • Nginx has been updated to resolve security vulnerabilities • Several third party libraries have been updated to resolve security vulnerabilities

Product Adjustments

PADS4 2024.1 (March 14th)

Important: If you want to upgrade to PADS4 2024.1 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2024.1. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2024.1, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Incident	Description
PADS4 Server	2533	Improved the robustness of viewers connecting to the server. This will reduce the amount of threads the server uses to handle all the incoming connections.
	2957	Fixed an issue where sometimes the PADS4 HTML5 Viewers would receive multiple synchronization tick count messages, resultating in unnecessary logging on the viewer and connections to the server.
	3143	Fixed an issue where sometimes the task to remove alerts was not triggered
	3291	Fixed an issue where the auto assign of viewer licenses could break the license reassignment during reactivation
	3556	Fixed an issue where the network connection monitor for alerts was very slow and inefficient
PADS4 Data Server	3021	Fixed an issue where some datavault traces were not being removed when the dataserver is stopped
	3282	Fixed an issue for the Office 365 Dataprovider not merging, resulting in more memory usage then nessecary
	3640	Fixed an issue where the data server did not always recover when it fails to start
PADS4 Data providers	3027	Fixed an issue in the Office 365 Excel dataprovider where any other sites on the root level where not included in the selection of a site
PADS4 Installer	3297	Fixed an issue that sometimes the processes PADS4 uses were not closed correctly, resulting in errors while updating
PADS4 Configuration Tool	3115	Fixed an issue where any errors during configuration were silently ignored, resulting in a faulty success message being shown
	1945	Fix an issue where TLS version settings where not applied correctly on all domains
PADS4 CTRL Center	3134	Fixed an issue where MKV video thumbnails where not shown while browsing content or designing a presentation
	3574	Fixed an issue when modifying viewers in the overview resulted in an 'Too many requests' error

	3184	Fixed an issue where if you would refresh the browser while viewing the content library, the folder tree would not always show the folder you were browsing
	3253	Fixed an issue where if you renamed a file/folder in the content library to the the same name, but capatilized, it would not apply the changes properly
PADS4 CMS (legacy)	3492	Fixed an issue where special characters in user roles could corrupt the database
PADS4 Workspace	2980	Fixed an issue where sensors failed to end meetings that are linked with Microsoft Exchange
	2543	Prevented an issue caused by changing the orientation in the mobile app - the app is now locked to portrait mode
	2953	Fixed an issue that in certain cases events where being duplicated and causing archiving meetings to fail
	3107	Fixed an issue where the additional services option was not available while creating a booking on the overview page
	2675	We improved the way large datasets are handled and this should result in a better and more smooth experience
	3146	Fixed an issue with AD users trying to create an event, the organizer dropdown would show the name as 'null'
	3267	Fixed an issue where exporting statistics of a specific date resulted in an empty report
	3459	Fixed an issue were the QR code reader for iPhone no longer worked
PADS4 CMS & Web Designer	2974	Fixed an issue where the 'Save' option was not enabled when you created a new presentation
	3087	Fixed an issue in Firefox and Chrome v119+ where fonts did not load correctly
	580, 1576	Fixed an issue where fonts with spaces or unique characters did not always load properly
	2956	Fixed an issue where the translations for cancel and save template were still showing placeholder text
PADS4 Windows Viewer	3137	Fixed an issue where the interactive button failed to send a GET request
	3620	Fixed an issue where duplicate alerts could cause a database lock on the PADS4 Server
	3472	Fixed an issue where the locale of the device was not used in the Chromium and Edge webviews, it always defaulted to en-US
PADS4 Agent	3122	Fixed an issue where sometimes the proof of play data stored on the server failed to load

PADS4 Filesystem Plugin	2754	Fixed an issue that 0 kb files would be created if the file creation/upload failed
PADS4 HTML5 Viewer	2967	Fixed a memory leak in the formatted text element if you displayed minutes and/or hours
	2962	Fixed an issue where Chrome OS platform was detected as Pi OS platform
	2527	Fixed an issue where the alternate timer could trigger a scroll while loading the page, causing elements to be displayed out of order
	2526	Fixed an issue that Samsung SSP devices could lose their settings while upgrading to a new version
	2757	Fixed an issue where the timing of loading images just while pages are deactivating could result into an image load error
	2756	Fixed an issue where videos on the master page would restart every page change
	580, 1576	Fixed an issue where fonts with spaces or unique characters did not always load properly
	2851	Fixed an issue applying the scaling option from the PADS4 Agent
	3313	Fixed an issue where retrieving the installed fonts from the viewer in the PADS4 Agent was very slow
	3310	Fixed an issue that caused Tizen screens to do a single restart every boot
	3307	Improved the way screenshots are retrieved on Tizen screens. This should improve retrieval of screenshots noticeably.
	3298	Fixed an issue on Brightsign devices where sometimes during start-up an 'unhandled promise' error was logged
	3274	Fixed an issue that could occur when the viewer is starting and dataprovider changed messages would be skipped. This could potentially lead to the presentation starting without any data.
	3131	Fixed an issue in the interactive button where it ignored visibility changes if changed by rules
	3181	Fixed an issue where an error was logged instead of a warning if the viewer background was not found in the content library
	3335	Fixed an issue for Brightsign players where sometimes files in the content library would be 0 kb
	3340	Fixed an issue for a single ad-hoc schedule that took longer then 30 days resulted into performance degradation for the viewer
	3084	Fixed an issue where the proof of play 'Content' column always showed 'True'
	3635	Fixed an issue where after an update of the viewer Innes players would reset its content library once

New Features list

PADS4 2023.3 (November 14th)

Important: If you want to upgrade to PADS4 2023.3 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.3. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.3, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Description
PADS4 CMS & Web designer	The new PADS4 CMS & Web designer will make content management easier and more creative than ever before

Product Adjustments

PADS4 2023.3 (November 14th)

Important: If you want to upgrade to PADS4 2023.3 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.3. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.3, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Incident	Description
PADS4 Server	2635	Fixed an issue where the destination access permissions were not applied correctly
PADS4 Platform	2895	Fixed an issue where the configuration of the crystal service was not loaded correctly if the configuration service was not available
PADS4 Dataproviders	2631	Improved error message when trying to connect the Microsoft 365 Excel dataprovider without sufficient permissions
PADS4 Workspace	2885	Fixed an issue where booking another room always booked the room the viewer was configured for
	2630	Fixed an issue where it was not possible to edit a meeting without an organizer filled in
	2907	Fixed an issue where the delete option for simple events in the overview calendar was not shown
PADS4 CMS (legacy)	2764	Fixed an issue where the preview page option was not shown if the page duration changed
PADS4 Viewer for ProDVX	2475	Fixed an issue caused by crashing that caused the device to reset its home application, resulting in the viewer not automatically starting at boot
PADS4 Configuration Tool	2744	Fixed an issue where the PADS4 Configuration tool kept asking for a root password, while you already provided it previously
	2771	Improved the behavior when configuring device authentication - it should result in less timeouts now
	2769	Fixed an issue that occurred when you disabled HTTP in the config tool resulting in a situation where the filesystem plugin stopped working
PADS4 HTML5 Viewer	2750	Fixed an issue for the web element where 'www' in url's was removed, resulting into the website not being shown
	2584	Fixed an issue with 'grouped' datascrolling in a table after a page switch, resulting in out-of-sync table rows
	2743	Fixed an issue where the mixed media element play once and go to next page did not trigger if it did not have any playable content
	2726	Fixed an issue where some elements were not triggering the 'play all media once and go to next page' option
	2903	Fixed an issue in mixed media element causing to skip presentations when play once go to next page was enabled
	2905	Fixed an issue where sometimes a login popup was shown if the PADS4 Server authentication failed

New Features list

PADS4 2023.2 (October 17th)

Important: If you want to upgrade to PADS4 2023.2 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.2. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.2, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Description
PADS4 CTRL Center	The PADS4 CTRL Center has received a brand new look & feel.
PADS4 Platform	You can now add and show PowerBI dashboards or reports on screens.
	Solved several security issues: <ul style="list-style-type: none"> - CSP headers - HSTS (HTTP Strict Transport Security) - X-CSS-Protection - X-ContentType-Options - SSL ciphers restricted to most secure versions - Some libraries have been updated with security fixes
PADS4 Workspace	Added mult-tenant calendar configuration which allows you to work with different domains and/or external calendar systems
	You are now able to link and create a Microsoft Teams meeting when you create events or bookings in PADS4 Workspace
PADS4 Device Gateway	We added a new service to the PADS4 Platform that allows you to connect and control IOT devices.
	Support for: <ul style="list-style-type: none"> - Philips gateway
PADS4 Designer	Added option to web element to run additional javascript code on a website.
	Added support to run additional javascript code on a website for PADS4 Windows Viewers using the web element
PADS4 HTML5 Viewer	Support for devices: <ul style="list-style-type: none"> - Hikvision DS-D6032FN - Hikvision DS-D60C-B - Philips CRD50 - Sharp/NEC DS1-IF20CE - Sharp/NEC DS1-IF21CE
PADS4 VMS Kiosk	Visitors are now able to print their badge directly at the kiosk

Product Adjustments

PADS4 2023.2 (October 17th)

Important: If you want to upgrade to PADS4 2023.2 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.2. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.2, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Incident	Description
PADS4 CMS (legacy)	1374	Fixed some email notifications still showing outdated logos
	371 1648	Fixed login not working when demo license expires
	1987	Fixed thumbnail previews always showing the same thumbnail
	1989	Fixed retrieving preview presentations freezing the application
	2267	Fix validation on Sigfox plugins configuration
PADS4 Workspace	367	Fixed NFC authentication sometimes failing due to case sensitive ids
	1451	Fixed workspace meeting mails attachment incorrect times
	1584	Fixed future reservations not loading when trying to book on meeting room
	1766	Fixed cases where the exchange main events were being duplicated
	2100	Fixed timeline view showing incorrect opening hours on different timezones
	2320	Fixed an issue where there was no mail send if you requested additional services when creating an event
	2209	Fixed cases where in the outlook plugin the room floor map was not shown
PADS4 VMS	1474	Fixed visitors invited in outlook not being created in VMS
PADS4 Foundation	1970	Fixed license re-activation not working, keeping old license information
	2064 2236 2216	Improved performance by changing the way viewer connections are handled
	2262	The credential providers (Microsoft Teams) created on domain A would show up for domain B
	2265	Fixed an issue that when there are a lot of data vaults and the server starts up, initially there is no data until the first data refresh interval
PADS4 Dataproviders	1763	Fixed datetimeoffset fields not working in JSON Feed and JSON file data providers
	2368	Fixed an issue where the datetime conversion failed when the first row was empty
PADS4 Clients	1420	Fixed software version and date showing wrong information
PADS4 Agent	1579	Fixed changing alert settings creating duplicate alerts
	2256	Fixed an issue where sometimes retrieving the viewer settings would fail
PADS4 Viewer	1580	Fixed viewer not receiving new alerts when offline

PADS4 HTML5 Viewer	1727	Fixed play once and go to next page sometimes triggering duplicate event warnings
	638	Fixed issue where synchronization or viewer logs where showing timestamps with a wrong timezone
	1428	Fixed an issue with the web element if the initial request timed out
	1981	Fixed checking integrity of the synchronized files on the device itself. This can fix cases where the content on the device was not up to date with the server content library.
	1760	Fixed the Brightsign Config webapp configuring the wrong server url when on https

Product Adjustments

PADS4 2023.1.1 (May 26th)

Important: If you want to upgrade to PADS4 2023.1.1 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.1.1. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.1, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Incident	Description
PADS4 Workspace	1228 1059	Fixed various SSO related issues
	1402	Fixed meeting room presentation taking too long to load
PADS4 Visitor Management	1422	Fixed issue sending visitor emails regarding pincodes

New Features list

PADS4 2023.1 (April 19th)

Important: If you want to upgrade to PADS4 2023.1 your current PADS4 version needs to be at least PADS4 2022.3. That means that you will need to have PADS4 2022.3 installed & running before updating to 2023.1. Any version before this (PADS4 2022.2 and lower) will not automatically update to 2023.1, and you will need to perform an intermediate upgrade first to PADS4 2022.3.

Item	Description
Domain support	With the reworked domain support, all the services and applications on the PADS4 platform now support domains. You can manage domains and certificates in the PADS4 CTRL Center.
PADS4 Workspace	It is now possible to view more details on who is participating in a meeting. You can add more details to a meeting by adding custom fields Now supports setting the opening hours of a room
	The new user provisioning feature allows you to connect to a user provider service like Azure AD and synchronize users. For example, any users you add or delete in the user provider will also be added or deleted in PADS4 Workspace.
PADS4 FIDS	Improved redundancy and is more reliable Now supports sending out alerts for when a message source is disconnected or the PADS4 FIDS service is offline
PADS4 HTML5 Viewer	Now supports a 'Sync repeat' option in a playlist. This option works like the 'Synchronize pages based on time' feature, but now for elements. Support for devices: DMB400 & DMB300 & Qbic TD-1060 & IAdia WRP-1000 Support for SSSP7 (Tizen 5.0)
PADS4 CTRL Center	It is now possible to diagnose problems regarding replications or general problems by visiting the new diagnostics page. This page will allow you to view what replications are in progress and view the logs per service.
PADS4 Config Tool	You are now able to toggle specific services on/off. This means the service will not start-up if it is toggled off. Be wary that disabling certain services can cause server instability.

Product Adjustments

PADS4 2023.1 (April 19th)

Item	Incident	Description
PADS4 Workspace	543	Fixed issue that bookings were not sent to the PADS4 Visitor Management service resulting in no notifications being sent
	510	Fixed issue where it was not possible to set a room as inactive
	509	Fixed issue related to not being able to duplicate room user profiles
	25603	Fixed issue where it was not possible to remove building
	25559	Fixed issue where the reduced capacity warning did not get removed from the calendar view
	25637	Fixed issue where sometimes it was not possible to create a booking
	25568	Fixed issue where you could not book meetings with the 'all day' option if opening hours span the entire day
PADS4 Visitor Management	808	Fixed issue that sometimes the thumbnails on dashboard look cropped.
	780	Fixed issue that visitors from workspace did not receive accept/deny/invite mail
	25841	Fixed issue when updating release versions, the language was not updated in the app
	25790	Fixed issue where Arabic names for visitors were not working
	25791	Fixed issue where incorrect dates were shown on the badge
	25792	Fixed issue where emails were case sensitive
PADS4 CMS Module	807	Fixed issue that when saving user profile, the log-in dialog shows.
	787	Fixed issue when adding/removing screens the user profile log-in dialog shows.
	25599	Fixed issue where external files were not listed in some dropdown fields
PADS4 CTRL Center	20257	Fixed issue where activating the same license key on different domains resulted in an unknown error.
	25608	Fixed issue where sometimes the schedule calendar view did not show
	25895	Fixed issue where the drag & drop border hint for uploading content was not showing
	25808	Fixed issue when editing an occurrence, it was always moved to the current date
	25805	Fixed issue where the replication graph in diagnostics was not always scaled correctly
	25786	Fixed issue where creating a new folder name the character count limit was not consistent with editing a folder name
	25785	Fixed issue where long folder names could cause styling issues
	25784	Fixed issue where sometimes the arrow to expand folders was not working
PADS4 Installer	731	Fixed issue on Windows 11 machines that if the installation fails the install log is empty
PADS4 Windows Viewer	25840	Fixed issue where sometimes the clear browser cache did not work
PADS4 Server	846	Fixed an issue that caused memory leaks when retrieving screenshots from the PADS4 HTML5 Viewer

	25923	Fixed an issue where an invalid alert could cause issues when replicating data
	25555	Fixed an issue where some dataproviders were not able to connect to the content library
	25139	Fixed issue with the Twitter dataprovider not being able to request a new authentication PIN
PADS4 Agent	25931	Fixed issue when scrolling in the viewer list the first viewer was selected automatically
	25930	Fixed issue when connected to an older PADS4 Server and retrieving viewer settings
PADS4 Designer	25929	Fixed issue that sometimes the menu items were not possible to select when hovering over them
	512	Fixed issue where the application stopped working if you used an UNC path in a dataprovider
PADS4 HTML5 Viewer	845	Fixed various issues related to offline play: <ul style="list-style-type: none"> - The latest data updates were not being saved resulting in showing older data. - Clearing data was not being saved resulting in showing older data.
	587	Fixed issue where the presentation stopped receiving data updates and showing old data
	584	Fixed issue where sometimes calculation of when a schedule should be active was wrong
	368, 846	Fixed issue where sometimes the viewer would not connect to the main server
	956	Fixed issue where using the mixed media element with multiple pages led to a memory leak
	25928	Fixed issue where the viewer logged 'Already logged on' when the connection dropped
	25902	Fixed issue where sometimes images in the table element failed to load
	17583	Fixed issue where the scrolling text showed the data in the wrong order when using the option 'directly after previous text' and 'show changes immediately'.
	25015	Fixed issue where the presentation did not rescale when the orientation changed
	21198	Fixed issue with rules that had missing columns
	21646	Fixed issue where the property bindings on elements did not work in a table element
	17601	Fixed issue where the rule did not trigger a color change when the element was in a table element
PADS4 Teams	294	Fixed issue in the teams dataprovider where it was not possible to select a different server

New Features list

PADS4 2022.3 (build version 4.12.8384, December 15th 2022)

Item	Description
Microsoft Teams Integration	With the Microsoft Teams Integration, you can now join a Teams Meeting from a PADS4 Viewer. The credentials are safely managed in CTRL Center and you can use the Teams dataprovider to retrieve the available Teams meetings for a specific user.
Edge support for Windows Viewer	In the Web Element you can select Microsoft Edge as browser engine, this engine has MP4 playback support and is the preferred option to use with the Teams Integration.
PADS4 FIDS Connector	With this connector, you can connect to an Information Brokers of an Airport Operational Database and parse the messages received to the PADS4FIDS module.
PADS4 FIDS Module	Added Terminal support
	Added additional properties for a better integration with an AODB IB.
	Updated the PADS4FIDS Data Provider
	Added user permission for the FIDS operator
HTML5 Viewer	We now support 4K video playback on the Samsung Tizen 3.0 and newer devices. You need to enable this Viewer option through CTRL Center. When enabled, you can only play one video at a time.
NDS Message Broker	We now offer a new internal created messaging protocol, so the use of RabbitMQ is no longer required. RabbitMQ has also been removed from the installer file.
PADS4 Workspace Module	Disable automatic booking in Occupancy Sensor: Enable the check-mark to disable the automatic sensor booking of the room when an individual enters the room in the area of the sensor. You are still able to manually delete booking from the sensor & the non-confirmed meetings are automatically deleted.
PADS4 Dataproviders	The Facebook and Instagram dataprovider have been updated and now make use of V15 of the Facebook Graph API. For Facebook you can no longer use the public page name to retrieve the page, but you now need to use the Page ID instead.
	A new Twitter dataprovider has been created that makes use of V2 of the Twitter API, which can only be used with the Twitter Essential Access level. The old dataprovider has been moved to the legacy dataproviders.
PADS4 Foundation	The PADS4 microservices now run-on Microsoft .NET 6

Product Adjustments

PADS4 2022.3 (build version 4.12.8384, December 15th 2022)

Item	Incident	Description
Samsung Tizen		Samsung fixed the installation issue they had on all the Tizen Displays and have put in preventative measures that will not cause this issue to arise again. For more in-depth information, read this Knowledge Base article.
PADS4 Workspace	25246	Fixed a timeout issue when using SSO with a large set of rooms.
	25272	Fixed a booking issue on the Meeting Room timeline, where you couldn't decrease more than 1 timeslot.
	25277	Fixed room selection issues in Outlook plugin.
	25276	Fixed all-day booking issue where you could book outside of the daily schedule.
	25395	
	25251	Fixed grouping issue on when searching for a colleague.
	25301	Fixed loading issue in outlook plugin when having a large set of rooms.
	25387	Meeting overview was missing the tentative info when a meeting wasn't approved yet.
	25393	Fixed issue on booking issue on Flex presentation.
	25517	Resolved an issue in the meeting room presentation with anonymous check-in.
	25396	Fixed NFC booking with users imported from PADS4 CMS.
	25600	In "My meetings" double-click on current day didn't function.
	25707	A room manager wasn't able to accept a meeting request of a user that wasn't allowed to book that room.
	25724	Fixed Kiosk App not loading.
PADS4 Visitor Management Module	25427	Fixed issue in visitor acceptance email.
	25564	Improved badge printing from the Visitor Management dashboard.
PADS4 CMS Module	25503	Fixed encoding issue in reset password functionality.
	25539	Improved CMS security by removing jQuery.FileUpload.
Windows Viewer	25234	Fixed an issue where it was possible that using a lot of data vault on a windows viewer, some of them didn't update the data retrieved from the server.
	25275	Fixed an issue where the hiding of the scrollbars didn't work in the Web Element when used with Chromium as an web engine.
HTML5 Viewer	25004	Video Proof Of Play duration was not logged on the HTML5 Viewer.
	24805	Fix issue on HTML5 Viewer, where the free content storage check didn't take the deleted content into account to validate if it had enough storage space.
	25551	The PDF element only showed one of the pages in the selected PDF File.
PADS4ProDVX HTML5 Launcher	25425	The PADS4ProDVX HTML5 launcher didn't support a screen rotation of 90 and 270 degrees.
YouTube Data Provider	25006	The YouTube dataprovider used OOB authentication method, which has now been deprecated. You can now use the standard Google OAuth 2.0 login. Authenticate with your Google account & verify your dataprovider or Datavault and create the Google or Youtube based dataprovider.

New Features list

PADS4 2022.2 (build version 4.12.8241, July 25th 2022)

Item	Description
PADS4 Visitor Management	Keep track of the people that visit your location with our new Visitor Management System module.
PADS4 Workspace	Our meetingroom solution now also supports NFC card enrollment for SSO accounts/users. Add SSO accounts/user login for outlook plugin. New version of the PADS4 Flex Desk Presentation is available. New version of the PADS4 Meeting Room Presentation is available.
PADS4 Digital Signage	Video and mixed media elements now supports the uniform to fill sizing option. PADS4 no longer uses SQL CE database to store data, so if all viewers and user applications are updated to this version the SQLCE driver can be removed. Added support for the ProDVX ABPC-545(P) in the PADS4ProDVX 2.1 app. A firmware update on the device is required. Added support for the ProDVX ABPC-4200 Series. Support to run the HTML5 Viewer on the Mersive Solstice Pod has been added. Created dedicated launcher for the Giada DN73 & DN74 devices called PADS4Giada Added PUT, PATCH and DELETE method for send web request action in interactive button.
PADS4 Foundation	Security improvements have been made to hosting services, this results in a more secure PADS4 solution. For example you can now select the minimum TLS version that should be used to host on. Keyboard shortcuts have been added to the PADS4 Portal, so for example the cut/copy/paste action in the content library can be done with Ctrl+X/C/V. PADS4 Portal app selection menu has been redesigned. Added option to reset the content library from the PADS4 Portal.

Product Adjustments

PADS4 2022.2 (build version 4.12.8241, July 25th 2022)

Item	Incident	Description
PADS4 HTML5 Viewer	24804	Fixed volume control on the Samsung Tizen devices
	24619	Viewer downgrade was broken in the 2022.1 release, this has been resolved.
	24618	Fixed presentation rules that use dataproviders, this was broken in the 2022.1 release.
	24513	Fixed video playback on brightsign XD234
	24540	Resolved issue on HTML5 viewer where recurrent schedules disappeared and where no longer played.
	23604	Improved content synchronisation for content that is being converted on the PADS4 Server.
	25163	The LED didn't on the ProDVX 7XPLN when running newer firmware, this has been resolved in the PADS4ProDVX 2.2 app.
PADS4 Windows Viewer	24635	Fixed retrieval of schedule presentation on Windows Viewers
	24626	Removed stacktrace in NTP warning message
	24507	Improved on screen keyboard support on web element running chromium engine.
PADS4 Server	24627	Fixed clear on PADS4 Data Server when running dataproviders for windows viewers.
	24516	Issue with content enrichment has been resolve in the content service. This bug could cause content to become corrupted.
	24531	PADS4 Configuration tool, couldn't handle portnumbers bigger than 32767.
	24942	Improved content migration process on PADS4 Server.
	25164	Fixed removal of a sensor, when events were stored.
	25128	Fixed disconnection issue of HTML5 Viewer, when a system with 200+ HTML5 Viewer retrieved the content library metadata.
PADS4 Portal	23659	Fixed unauthorized issues in PADS4 Portal when refreshing the screen.
PADS4 Agent	23703	Fixed notification in PADS4 Agent when alert is detected.
PADS4 Designer	23973	Fixed selection issue of elements on a page when also having element on a masterpage.
	24517	The natural join option in the join dataprovider was doing an inner join instead of an outer join.
	25053	When importing a .padsz file it could happen that some files were given an incorrect file name.
PADS4 Workspace	24967	Meetings weren't archived when room was not linked to an external system.
	24916	Disabling the virtual keyboard on meetingroom presentations was broken.
	24936	Meeting description is now stored in the archive.
	24724	Fixed security issue where user with right could create a meeting in the overview page.
	24715	Inactive room was made active after pressing the save button without any changes.
	24760 25159	Improved performance of booking overview in meetingroom presentation when running a system with more that a 1000 users.

	25154	It was possible that the meetingroom timeline wasn't displayed correctly due to culture settings.
	24972	On the start of the workspace backend and if configured to connect to Microsoft Exchange, meetings got imported without the organizer and attendees.
	25168	Improved the meeting room presentation so it can handle meeting rooms that require authentication to check into the room.
PADS4 CMS	24895	We now prevent command injection when exporting messages to excel.
	24896	Disabled verbose error messages on the CMS application.
	25059	The profile folder creation was still done through the filesystem plugin, instead of using the content service.

New Features list

PADS4 2022.1 (build version 4.12.8109, March 15th 2022)

Item	Description
PADS4 Data Server	The PADS4 Data Server now uses the Foundation Content Service directly for dataproviders that read files from content library and for the data stored by the Datavaults.
PADS4 CMS PADS4 Workspace	These applications now use the Content Service directly, and no longer use the File System Plugin service.
	Implemented Okta authentication for SSO in PADS4 CMS and Workspace.
PADS4 HTML5 Viewer	Improved content storage allocation check for PADS4 HTML5 Viewer when running on Android devices with a dedicated HTML5 Viewer Launcher similar to 'PADS4Philips'. This entails there will always be space available for the OS.
PADS4 Designer	Improved Content Library performance when running on the PADS4 Server and using the Closed Content Library.
PADS4 CTRL Center	The license information is now only available in the CTRL Center if you have the rights to either the PADS4 Agent, System Management or License Wizard.
Viewer Hardware Certification	LG WebOS6 has been certified by NDS, be aware that the LG installation manual has been updated.

Product Adjustments

PADS4 2022.1 (build version 4.12.8109, March 15th 2022)

Item	Incident	Description
Memory leak in micro services		Solved a second memory leak issue in PADS4 Foundation related to microservices which was caused by an update to Microsoft .NET 5 library
		Solved a memory leak in the services running on IIS.
Virtual File System		Fixed an issue when opening files bigger then 2GB through the Virtual FileSystem Plugin.
Content Service		Fixed exif orientation in generated thumbnails.
HTML5 Viewer	24099	Fixed an issue on the HTML5 Viewer where files bigger than 10MB were not synchronized correctly on Chrome, PADS4Philips and PADS4ProDVX.
	23447	Fixed an issue when using the generic Android HTML5 Viewer launcher, where switching a domain in the HTML5 Viewer would fail.
PADS4 Workspace	21137	Fixed an issue in the Workspace Kiosk where the timeline didn't show the correct occupied status.
	23816	When using Chrome 97 and SSO authentication, the login in PADS4 Workspace would fail.
	23831	Fixed an issue where the default room profile settings weren't applied on users connecting through SSO.
	24027	My Meetings page in the PADS4 Workspace app failed to load when using a SQL Server Database.
	24036	Fixed issue where meetings approved through outlook, stayed tentative in PADS4 Workspace.
	24102	Room access could be lost when using SSO Authentication.
	24148	An issue could occur when rooms were booked with the meeting room presentation and also with the occupancy sensor, if this happened, all meetings of all rooms were visible in the workspace app when trying to book this room.
Presentation in page element	23323	Fixed an issue in the presentation in page element where a none existing presentation could break the viewer playback.
PADS4 CTRL Center	23398	Active Directory account where the domain contained a dash weren't accepted in PADS4 CTRL Center.
	23663	Improved realtime information updates in PADS4 CTRL Center.
	23659	Fixed an authentication timing issue in the PADS4 CTRL Center, where a page refresh could cause an 401 unauthorized result.
PADS4 Designer	23793	Creating new Instagram Dataproviders in the PADS4 Designer failed due to a change in the API.
	23658	Fixed issue in Google Sheets Dataprovider where it was not possible to select sheets shared by another user.
	23660	Fixed an issue in the JSON Dataprovider where Viewer Variables weren't translated.
	23746	When using the content browser on the PADS4 Server with the Virtual FileSystem Plugin, the files weren't sorted correctly
	23737	When using the Microsoft 365 dataproviders not all Sharepoint sites were retrieved.
PADS4 CMS	24023	Improved PADS4 CMS to prevent timeouts on very large installation with a lot of data.





	24141	Fixed an issue where user permissions where ignored and users could see all messages of all users.
PADS4 Server	23479	Improved RabbitMQ endpoint resolving on Microsoft Azure Virtual Machines

Bug release 2021.4.1 will fix some important issues related to virus scanners and a memory leak that have been identified after release of 2021.4.

Product Adjustments		
PADS4 2021.4.1 (build version 4.12.8019, December 15 th 2021)		
Item	Incident	Description
Dokan Library		<p>New Dokan library version 1.5.1 improves interaction with virus scanners than the old one. We identified an older version of Kaspersky to have an issue with the old dokan library. It is possible that other virus scanner have the same behaviour.</p> <p>Old dokan version will be uninstalled, which will be followed by a reboot. After the reboot is performed the setup will continue</p>
Virtual File system cache location		The virtual file system cache location was still on the installation drive. This has been adjusted so that it will move to the storage folder location for microservices specified by the user during the setup.
Memory leak in micro services		We solved an memory leak issue in PADS4 Foundation related to microservices which was caused by an update to Microsoft .Net 5 library
Closed content library		Virtual drive service in combination with antivirus scanners may cause performance issues in certain situations. We identified the problems, and are currently working on a fix for 2021.5 which will bypass the virus scanners. In the mean time, users who already installed 2021.3 or higher can disable the virtual drive for now until we release the fix.
PADS4ProDVX		Fixed the HTML5 Viewer update on the PADS4ProDVX Launcher
Workspace	20605	Ajax error displayed when importing rooms when the calendar was not configured correctly.
	20627	Circular dependency could be created between two users resulting in the users from disappearing
	21516	Outlook plugin is missing default room image
	23366	When selecting one room of a modular space, the manager sees the modular space itself.
	23407	While booking a room with extra services, you receive an email which cains a cancel option. This cancel option did not work properly.
	23535	QR code scanner button in workspace app did not work properly.
	23629	Spaces are not loaded anymore after the booking was made.
	23630	Crystal CMS password encryption issue solved on external sensor plugin
	23627	Crystal CMS delete of messages in the broadcast tab only deletes the first message.

PADS4 2021.4 New Features highlights

November 18th 2021 (build version 4.12.7992)

<p>PADS4 Workspace - Colleague Locator</p> <p>With the introduction of flex and hybrid work, it can be hard to locate your colleagues.</p> <p>With the Colleague Locator, part of PADS4 Workspace app, it is easy to see which desk they booked, if they are in a meeting or working elsewhere.</p>	
	<p>PADS4 Workspace - Gantt chart overview</p> <p>Managing workplaces can be a challenge. Especially when you have a lot of different types of workspace across your building or organisation.</p> <p>The PADS4 Workplace Gantt chart, provide the overview you need. It shows all workplaces in one view. Drag and drop functionality allows for easy changing and optimization of office space.</p>
<p>PADS4 Workspace - request a booking</p> <p>In some cases you want more control over the use of the meeting rooms. In those cases the employee can request a booking. Based on the requirement (location, size, equipment and services) a facility manager will find and assign the right room. The employee is notified and the reservation is made.</p>	
	<p>PADS4 Workspace meetingroom fast booking</p> <p>Add fast booking buttons in your meetingroom presentation to book the space for a predefined period of time on the fly.</p>
<p>Dedicated Iadea Viewer launcher</p> <p>New dedicated Viewer launcher for Iadea 1078 / 1088 / 1588 Series. For more information, check out the PADS4 Manuals.</p>	
	<p>PADS4 & Windows 11</p> <p>Certification of PADS4 for Windows 11.</p>

New Features list

PADS4 2021.4 (build version 4.12.7992, November 18th 2021)

Item	Description
Windows 11	<p>Windows 11 certification tests completed.</p> <p><i>Adjustment made:</i> Hiding taskbar when using more than one display did not hide the taskbar on the secondary display and has been fixed.</p> <p><i>Required adjustments which were not yet ready for this release:</i> Youtube data provider authentication must be replaced. Windows 11 does not allow the current browser used. We are working on a replacement for this. In the mean time create the data provider on a non windows 11 machine instead.</p>
PADS4 Platform	<p>RabbitMQ message broker library updated to version 3.9.1 Erlang updated to version 24.0 (rabbitMQ is written in Erlang)</p> <p>RabbitMQ / Erlang is used by PADS4 Server to build scalable realtime software with high availability.</p> <p>Please do not manually install/uninstall separate RabbitMQ or Erlang versions. This may cause the system to malfunction.</p>
PADS4 Workspace	<p>Find out where your colleague is located now by using smart search functionality. This option can also be turned of for privacy reasons.</p> <p>Gantt chart overview of bookings which allows the manager to have an overview of the bookings made for all spaces related to time and the possibility to make changes</p> <p>Prevent user from selecting a space during booking and let a manager decide which space will be selected based on the requirements or decline the booking request and inform the requester why</p> <p>User can click on a interactive button which will book the room for a certain amount of time specified upfront by the Graphical Designer during design of the presentation. Check out the example meeting room presentations.</p> <p>Who booked my room functionality to find out who has booked a certain room. There is a privacy option to hide this information from the user.</p>
ladea launcher	<p>New dedicated Viewer launcher for ladea 1078 / 1088 / 1588 series. Dedicated launchers allow better device support. For more information, check out the PADS4 Manuals.</p>
Mixed Media element	Improved video duration usage in combination with clipping
Location of services data storage	<p>Added option in the setup program to specify the location of the PADS4 services data store to allow a different drive to be selected to store the PADS4 services data. In some situations customers want to split the data storage of data from the PADS4 software. Be aware that this is not the content storage folder.</p> <p>To change the location of the content, make use of the PADS4 System Management application where the content location can be changed. More information about the new content store can be found here.</p>





Product Adjustments

PADS4 2021.4 (build version 4.12.7992, November 18th 2021)

Item	Incident	Description
PADS4 Workspace	23130	Mobile View space details did not show the scroll page bar when required. Equipment and Services where not shown properly on one line.
	22353	Search for a room showed 2 the same rooms in the list
	22406	When booking a modular space, the space itself was not booked
PADS4 CMS	22945	When a CMS user was deleted, the messages scheduled by this user could not be deleted afterwards by another user. When deleting a CMS user, messages will be moved to an existing user instead that is selected by the user who is deleting this CMS user.
PADS4 IOT	23170	Sensors not reconnecting when initially license was missing
PADS4 Platform	22917	Virtual File system plugin adjustments. After migration, there was a possibility that the plugin started to fast causing the default folder to be used instead of a different specified folder. After a restart of the plugin, this was solved. Changes have been made to prevent this. During migration files are copied to the new environment. When the source folder cannot be deleted after migration, the system periodically tries again to copy the files and delete the folder but will not succeed because of the permissions on the source folder. When the user deletes files in this destination folder, the files will re-appear each time.
	23166	When to many requests were send to the filesystem plugin and MS Defender was running, it could stop responding. Excluding MS Defender will also solve this problem.
	23245	Change of user password caused problems due to microsoft framework update in PADS4 2021.2
	23147	Content services fails to start because of faulty PADS4 node server. When prior version 2020.2 or 2020.2.1 was installed the identity of this PADS4 node server was missing information and could not start.
PADS4 CTRL Center	22356	Schedule calendar view did not show schedules which are on parent group level where more than 3 Viewer group levels deep where created
	22724	Take screenshot from Viewer performance has improved
	23244	ADFS SSO login page did not show the right relying party page to enter the credentials
PADS4 Viewer	23013	Mixed Media element cuts off videos
	23105	Mixed Media image from URL was not shown. Log showed a object reference not set message.
	23080	Flex desk presentation new page being activated in combination with page rules that will hide the page could cause the page to stay invisible
	22956	Data providers for HTML Viewer where registered twice on the data server
	-	Hiding taskbar when using more than one display did not hide the taskbar on the secondary display under Windows 11 and has been fixed.

PADS4 2021.3 New Features highlights

August 10th 2021 (build version 4.12.7892)

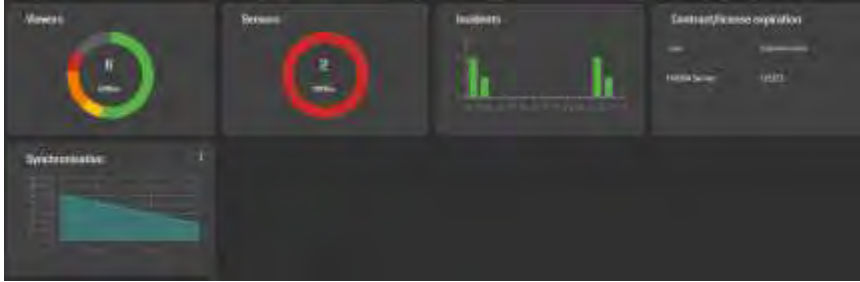

<p>PADS4 Workspace booking approval</p> <p>You can now control your room booking process by approve room bookings made by Users.</p>	
	<p>PADS4 Workspace Office365 authentication</p> <p>New authentication method required for Microsoft Office365 Outlook connections. This improves security and prevents stop working of the current basic authentication, which is going to happen in October of this year.</p>
<p>Google workspace data provider</p> <p>Introducing the new Google Workspace Dataprovider: showcase real-time Google Calendar and Google Sheets information across your PADS4 presentations.</p>	
	<p>Siamos and Mobotix sensor integration</p> <p>In addition to Milestone, we are now adding SAIMOS to our sensor camera software portfolio in CTRL Center. SAIMOS is an integrative, modular, map-centric (GIS) software platform. It supports spatially enabled real-time data for increased situational awareness, and can link geo-data with data from any other source.</p> <p>PADS4 now integrates fully with The M7X series from MOBOTIX. This high-end thermal imaging camera is the pioneer of the MOBOTIX 7 generation.</p>

<p>PDF & Powerpoint for HTML5 Viewers</p> <p>You can now display PDF files & Powerpoint content on HTML5 Viewers, using the PDF & Powerpoint elements in PADS4 Designer. *PDF function requires an XPERT license to showcase the content on your Viewer(s).</p>	
	<p>Content Store New improved content store</p> <p>PADS4 Servers replication</p> <p>New replication method between PADS4 servers which will improve stability, verification and synchronisation. This feature is the groundwork for the upcoming PADS4 CMS development and PADS4 Web Designer.</p>
<p>HTML5 Viewer volume control</p> <p>HTML5 Viewer Volume control - sets general device level sound settings which will help to set the maximum volume on your PADS4 HTML5 Viewers</p>	
	<p>Show images from Blob/base64 content</p> <p>Showcase images stored as string content read from external sources in the PADS4 Image element</p>
<p>Bug fixes & enhancements</p> <p>Also part of this release are multiple bug fixes and performance enhancements. Please carefully read the full release notes, as they are full of important information in regards to new features, bug indexes, and overall development & improvement of the PADS4 software.</p>	
	<p>Spanish translation</p> <p>New Spanish translation available for PADS4 CTRL Center, PADS4 Workspace and PADS4 CMS.</p>
<p>PADS4 CTRL Center Dashboard</p> <p>Get informed about the current synchronisation process between PADS4 Servers in the dashboard</p>	

New Features list

PADS4 2021.3 (build version 4.12.7892, August 10th 2021)

Item	Description
PADS4 Workspace module	Workflow booking approval which will provide a way to approve a booking by someone else when booking a space
	New map option to find out where my room is located in the building during the search for a space
	New Office365 Outlook authentication when using external Outlook connection for bookings. Please check and update your configuration. In the autumn of 2021 Microsoft will deprecate the basic authentication. Upgrading to PADS4 2021.3 is required when using Outlook using the Office365 environment.
	Performance improvements which will decrease cpu usage and improve user experience
PADS4 Digital Signage module	PDF & Powerpoint content support for HTML5 Viewers. Show PDF and Powerpoint files on HTML5 /Android based Viewers. Be aware that Powerpoint must be installed on the PADS4 Server to be able to convert Powerpoint presentations for HTML5 Viewers. *for PDF an expert license is required. Please contact sales for more details on xpert license for html5 Viewers.
	Show images stored into Blob/base64 strings fields read from external sources
	Google Workspace Calendar data provider
	Google Workspace Sheets data provider
	Volume control for HTML5 Viewers. Centrally manage you maximum volume level for each Viewer device
PADS4 Sensors module	Siamos Audience measurement data Facemask info People counting
	Mobotix Facemask detection (M7 camera's, using IAFacedetect app)
PADS4 Platform	A new replication mechanism for synchronisation between PADS4 (sub/backup) Servers has been developed. This base is the foundation for the upcoming CMS and Web Designer which will be released begin of next year. The current content library folder will be migrated to a new content store which will be locked. This new content store is the base for new functionality that will be developed on top of this new content store. To allow PADS4 users to still make use of the local content folder to manage content which can be used/synchronized by PADS4, we developed a virtual drive folder service which is installed during upgrade and acts as a intermediate between the new content store and the current way of working using the content folder under c:\programdata\pads\content\.... More information about the new content store can be found here . The content library manager (PADS4 Content Organizer) is replaced by Content category in PADS4 CTRL Center portal to manage the content. The migration takes place automatically. This migration has been tested extensively but to prevent any problems during migration please backup the content library upfront.
Language	Spanish translation has been added to PADS4 CTRL Center, PADS4 Workspace and PADS4 CMS for the User Interface. PADS4 Windows apps already have Spanish.

<p>PADS4 Dashboard</p>	<p>PADS4 dashboard has a new tile which shows the actual synchronisation between PADS4 Servers. This allows you to watch the synchronization.</p> <p>This tile is only visible if your PADS4 installation contains more than one PADS4 (backup/sub) Server.</p>  <p>You are able to drill down into the PADS4 Servers for more details.</p>  <p>Pending changes shows the number of changes that need to be performed to be in full sync with the other PADS4 Servers.</p> <p>When everything is synchronized, the chart will be replaced by a checkmark to indicate that nothing is left to sync.</p> <p>Click on the ... menu for a certain Server and select overview to show the incoming changes for that Server from other Servers</p>
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Product Adjustments

PADS4 2021.3 (build version 4.12.7892, August 10th 2021)

Item	Incident	Description
PADS4 Workspace	22457	Search page could collapse result during filtering
	22339	Retrieval of room information from Exchange failed because the user does not have the impersonation rights
	22321	Absence booking for a part of the day, shows the entire day as occupied
	22183	After 1 hour booking was made for the next day, and search for a new booking for that next day showed that the room was occupied
	22653	Using NFC with Flexdesk authentication for web element did not work correct as expected
	22350	Common area booking showed incorrect number of places remaining
	22679	Desk booking subject was mandatory. This is changed to optional.
PADS4 CMS	22267	User and password fields were disabled when Calendar Plugin was enabled after selection of authentication mechanism
	22357	Recurrent message causes an broadcast request error when the user who created this message has been deleted from the system
PADS4 CTRL Center	22347	Move or rename of Content could result in an premature commit error
PADS4 Digital Signage	22373	Instagram pictures retrieved using data provider could not be displayed using the Mixed Media element
	22268	Mixed Media element did not use the manual video duration when specified but used the default duration instead
	22358	Freeze of MP4 videos on LG webOS4
	22658	Microsoft CRM data provider Discovery Service API was changed to retrieve regional organization information to select from
	22678	Wake on lan (WOL) produced a "object reference not set" error
Brightsign device	22485	Due to configuration changes the player did not start properly after version 2020.4.2. This has been adjusted in version 2021.3
PADS4 Installation	22119	CMS upload folder was not created during installation in some situations
PADS4 Content Organizer	deprecated	PADS4 Content Organizer is deprecated and replaced by PADS4 Content CMS in PADS4 CTRL Center (web portal).

PADS4 2021.2 New Features highlights

May 25th 2021 (build version 4.12.7815)

<p>Likes & comments from Instagram Dataprovider</p> <p>Current basic authentication is replaced by Facebook graph API OAuth2 authentication which also returns information like comments and counts.</p>	
	<p>PADS4 Workspace improvements</p> <p>Single-Sign-On for Workspace.</p> <p>Arabic / English keyboard support for the PADS4 Meeting Room Viewer. User is able to switch between languages.</p> <p>Workflow ordering possible during configuration. Possibility to change the order in which the floors are displayed.</p>
<p>ProDVX X-series dedicated PADS4 launcher application</p> <p>New dedicated launcher for all ProDVX X-series devices, such as the following models: 7XPL(N) / 10X(PL/N) / 10SLB(N) / 15XP / 22X(P) / 24 / 27X. For more information, check out the PADS4 Manuals.</p>	
	<p>Android Content Storage</p> <p>Android content storage improvement for HTML5 Viewers which do not have support for Filesystem storage mechanism. Also support for large files which would exceed default system limits.</p>
<p>Qbic TD-0305</p> <p>We have created a new dedicated launcher for Qbic TD-0350. This device is perfect for PADS4 Workspace environments and hot-desk solutions.</p>	
	<p>Philips 3550Q, 4550D & 4551T</p> <p>We have created new dedicated launchers for Philips 3550Q, 4550D & 4551T devices.</p>

New Features list

PADS4 2021.2 (build version 4.12.7815, May 25th 2021)

Item	Description
PADS4 Workspace	Single Sign On (SSO) for Workspace
	Who booked your room information in the Workspace calendar view in case your desk can be used by other persons when you are out of the office.
	Specify descriptions for Room, Common Area and Modular space
	Workfloor ordering possible during configuration. Possibility to change the order in which the floors are displayed
PADS4 Meeting Room Viewer	Arabic / English keyboard support. User is able to switch between languages.
PADS4 Instagram data provider	Added Comments and likes count information to the output table. Changed to new Facebook authentication method which will require re-authentication for existing Instagram data providers after software update.
Qbic TD-0350 device	New dedicated launcher for Qbic TD-0350
ProDVX X-Serie devices	New dedicated launcher for all ProDVX X-serie devices
Philips 3550Q/4550D/4551T devices	New dedicated launcher for Philips 3550Q, 4550D & 4551T devices
Android Content storage	Android content storage improvement for html5 Viewers which do not have support for Filesystem storage mechanism. Also support for large files which would exceed default system limits.

Product Adjustments

PADS4 2021.2 (build version 4.12.7815, May 25th 2021)

Item	Incident	Description
PADS4 Instagram data provider	21519	Current basic authentication is replaced by Facebook graph API OAuth2 authentication which returns information like comments and counts. This requires to renew existing Instagram data providers credentials for existing presentations after software update.
Amadeus data provider	21816	Amadeus Connection changes required software adjustments to work properly.
PADS4 Agent	21541	Wake On Lan support for port 9 added. LG makes use of port 9 by default instead of port 7.
PADS4 Workspace Outlook plugin	21199	Meeting created without subject showed up as 'null' in the workspace app as meeting name
PADS4 Workspace	21146	Event scheduled in Workspace app using outlook O365 as external system shows up in Outlook without Location
	21296	Meeting room presentation does not apply timezone when retrieved from external booking systems
	21465	Broadcasted messages aren't displayed on crystal dataprovider after the migration from 4.8.1 to 2021.1
	21502	When trying to create a working group event, the save button remained not available
	21503	Wrong desk availability status on search page when it should be occupied
	21544	Sensor not updating PIR (Passive Infrared Sensor) Booking to book the room automatically
	21856	Mobile device UI does not display map with floors buttons in kiosk view
	21859	Modular spaces are not shown on search list in case permissions are used
	21991	Double Space Type column appears in Filter option within PADS4 CMS Workspace App for Room User
XML data provider	20702	XML Table with only one row which contains a multilevel structure could change the column structure exported in this situation. When the XML contains more than 1 row the result is as expected.
PADS4 Viewer	21629	Interactive button inside table element did not update the row number attached to the command but always used row 1 instead
PADS4 HTML5 Viewer	21555	Text element rule based on other column from a data provider which changes the text color did not apply the color change to the text element
	21988	The viewer will log a warning the the SystemVariable event is registered twice
PADS4 Designer	21913	Sensor Data Provider Events filter on Camera doesn't work
Setup	18698	Foundation Configuration tool stopped PADS4 services after closing the tool application

Bug release 2021.1.1 will fix some important migration issues from Crystal to PADS4 that have been identified after release of 2021.1 and solves other workspace and CMS issues that could occur.

Product Adjustments		
PADS4 2021.1.1 (build version 4.12.7753, March 24 th 2021)		
Item	Incident	Description
Crystal migration	21496	Migration from an old sql server database doesn't keep db form views
	21495	Windows breaks crystal db migration process
	21498	License redirect on Crystal redirects to localhost when using different ports for PADS4 & Crystal before migration
	21465	Broadcasted messages aren't displayed on CMS dataprovider after the migration from Crystal 4.8.1 to PADS4 2021.1
PADS4 HTML5 Viewer	21337	logs false warning message about missing dataproviders
	21477	Mixed media element memory leak fixed
PADS4 Workspace	21350	Availability filter doesn't work when searching for common area
	21351	Admin: Common area timezone field should be filled by default and required
	21352	cannot add common area additional service to meeting booking
	21356	Wall display license was required to enable othr functionality
	21357	login with ldap did not work in certain situations
	21361	Imported rooms don't get a outlook plugin or qr code license assigned automatically when imported
	21499	wall display module is shown twice when license is invalid
	21502	Creation of working group event could fail
	21503	Invalid desk availability status on search page
	21468	Get reservations api fails if room timezone is set to null
PADS4 CMS	21507	edit link on recurrenced message is broken on broadcast page if the parent message have no end date
	21511	Error message when specifying complex passwords on CMS administration plugins
	21488	Cannot specify a non email address login credential for setting up a SMTP connection
PADS4 Designer	21364	LED Color property binding missing in PADS4 Designer
PADS4 CMS data provider	21466	Start and stop date aren't displayed in the dataprovider
Youtube data provider	21374	Some Youtube video URLs did not play in video and mixed media element because the URL could not be resolved
Sightcorp sensor	21370	Trigger incident when someone is wearing a mask

PADS4 2021.1 New Features highlights

February 24th 2021 (build version 4.12.7725)

<p>PADS4 CMS / Workspace / Wayfinding</p> <p>New Smart Digital Building solution. Increase the efficiency of your employees and visitors within your office environment. Efficiently guide your employees and visitors among multiple complex buildings using different displays.</p>	
	<p>Mixed Media element</p> <p>Combine videos and images inside a single element & playlist. Multimedia presentations can now be easily configured in the same roster & page without overlapping elements.</p>
<p>LinkedIn data provider</p> <p>Showcase social media content & posts from your business onto different displays. Keep your employees up to date on current developments and achievements directly from your company's feed.</p>	
	<p>Sightcorp integration for PADS4</p> <p>New integration with deep-learning AI that features different anonymous audience measurements mechanisms, such as facial recognition & mask detection. Connect any camera to Sightcorp and PADS4 will do the rest for you.</p>
<p>Single Sign On & LDAPS</p> <p>Make use of Single sign-on in PADS4 CMS. Log in once with your user credentials and access all your PADS4 CMS modules without having to re-enter authentication factors. Works with both AD and Azure AD. PADS4 now also support LDAPS, for a more secure connection.</p>	

New Features list

PADS4 2021.1 (build version 4.12.7725, February 24th 2021)

Item	Description
PADS4 Workspace	New webbased Smart Digital Building solution. Increase the efficiency of your employees and visitors within your office environment. Allow employees to book rooms, Make use of local time zones for all apps Send booking notifications SQLite database support for Workspace and CMS Manage availability criteria for Workspace and Outlook plugin Add user info for room booking failing equipment reports Forgot password option for Workspace/CMS and PADS4 CTRL Center
PADS4 CMS	Send messages to the audience
PADS4 Wayfinding	Efficiently guide your employees and visitors inside your company. Let the user search for his destination using an interactive kiosk.
PADS4 IoT	Smart sensor management inside PADS4 to improve the occupancy of your buildings with IoT solutions such as sensors and LED'S. Make use of sensors to detect facemasks and make use of audience information like gender/age/happiness and other data to dynamically change presentations shown in realtime.
Mixed Media element	Create a single playlist with image and videos combined. Connect this element to a folder data provider and create a automated playlist only by uploading content.
LinkedIn data provider	Retrieve posts from Microsoft LinkedIn
Sightcorp software integration	Integrate to Sightcorp for retrieval of face audience measurements. You can connect any camera and allow PADS4 to retrieve the information.
Single Sign On (SSO)	Make use of Single Sign On functionality in the PADS4 CMS modules for both AD and Azure AD.
LDAPS	New LDAPS security for Active Directory
PADS4 Viewer	Hardware ID restriction has been removed from the Viewer. Changes in hardware are no longer causing re-assignment actions to be performed
Chart Element	New option to change the axis color

Product Adjustments

PADS4 2021.1 (build version 4.12.7725, February 24th 2021)

Item	Incident	Description
Windows Server 2008		Reminder: Windows Server 2008 is not supported. The minimal Server version required is Windows Server 2008 R2.
Framework 4.7.2		New prerequisite required for Workspace and CMS. Will be downloaded during installation if an internet connection is available. PADS4 components will still make use of MS Framework 4.6.2
HTML5 Viewer	20579	Columns for XML dataprovider was not added to the output when the row did not contain data
	21138	Rule that changes color based on new increased or decreased value from data provider compared to the old version did not work properly
	19024	Automatic header and footer shrink/grow mechanism failed
	19196	Images with Exif rotation could show up wrong
	20074	Scrolling of images from url failed
	21256	Data update for elements on masterpage was not updated
PADS4 CMS	20747	Can not have both screen and group in a group sub-level
PADS4 Workspace	20971	Duplicate display of space visible in Workspace and Outlook plugin
PADS4 CTRL Center	20838	Viewergroup rename was not executed
	20046	Login username was case sensitive
PADS4 Server		LDAP user which timed-out after login was not able to connect again due to the LDAP timeout setting. Normal users did not have this issue.
PADS4 Installer	17733 17468	Made several adjustments to improve the installation of PADS4
MS Exchange data provider	18644	Office365 MS Exchange data provider changes. On Oct 2021 the old API connection will be deprecated by Microsoft.
PADS4 Designer	17346	Copy table element with data providers to another presentation did not copy the data providers.
	17620	Pick of color on second screen did fail
	17771	Instagram credentials could not be specified after API change
	19742	Dataprovder expression editor did not translate viewer variables
	19797	'not contains' option not found in interactive button presentation filter
	20562	rule based on day of datetime does not work
Interactive button	17506	Copy Interactive button to other presentation did not copy the data provider which was connected.
	17629	Bug in clear filter data
	18362	Scroll of data on masterpage using interactive button failed
	18415	Apply page data filter ignores previous applied data sort
PADS4 CTRL Center	19134	No Viewers were shown when the user only had a Schedule license
	19136	Timeout on large files download
	19147	Disallowed file types provide 'unknown error occurred' message
	20677	Autosize text and Italic sometimes causes last character to be cut off

Philips 24BDL4151T	19157	When running PADS4 Viewer it was possible to pinch the zoom
Philips XXBDL3050Q	19159	Device cannot handle 2 videos

Product Adjustments		
PADS4 2020.4.2 (build version 4.12.7618, November 9 th 2020)		
Item	Incident	Description
PADS4 HTML5 Viewer	20074	Sometimes images show from URL (Internet) could cause a leak resulting in random not showing the image.
PADS4 CTRL Center	20065	Schedule period selection did not work properly when language Netherlands was selected.
	20064	Schedule control not showing up first time after PADS4 installation is finished and PADS4 CTRL Center is started. Full refresh or change in dark/light theme solved this. Stylesheet load problem has been solved.
	20314	Schedule viewer filter did not show the list with Viewers on very large systems with more than 200 Viewers
PADS4 Designer	19681	Sensor data provider for events selection could cause the filter option Test button to generate an database connection failed error
FIDS operator	20238	FIDS Operator not showing all flights on day that clock changes daylight saving
Content Organizer	20255	Content Organizer is changing user access permission in Windows
PADS4 Exchange data provider	20227	Retrieving resource calendar information through the data server could cause a leak to occur resulting in applications behaving unexpected. The PADS4 Server would crash eventually. Restarting the PADS4 Data Server process would solve it until the next leaks reached the limit again.
Youtube data provider	20301	Youtube video inside video element is not shown. Youtube made changes for which we adjusted the software. Google successful reviewed PADS4 at 13 th of November 2020.
Crystal preview	20126	Incident 20227 also caused the preview in Crystal to malfunction


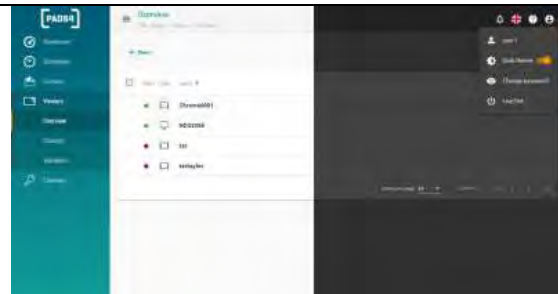


Product Adjustments

PADS4 2020.4.1 (build version 4.12.7576, September 28th 2020)

Item	Incident	Description
PADS4 HTML5 Viewer	19471	Volume of video set using property bindings is not performed on html5 viewer
	19498	Not between rule doesn't work in HTML5 Viewer
	19351	Datetime offset filter was only updated when new data arrived
	19868	LED support through property binding using an interactive button to change pages did not work properly
PADS4 Server	19867	Content changes from a Linux share content folder where not detected by the system
PADS4 Designer	17629	Clear filter does not clear the sort
	17771	Cannot enter Instagram credentials
	19575	No data from SQL server data provider with at least 3000 rows
	19834	YouTube made unexpected changes to the API. Changes were required to show videos again
	19797	Not contains rule operator missing in Designer Rule editor
PADS4 Join data provider	19448	Natural Join merge was incorrect and sometimes missing items.
PADS4 Json data provider	19470	Viewer variables were skipped
Amadeus data provider	19800	New Delphi Market data provider updated for Amadeus
PADS4 CTRL Center	20046	Initial Logon username was case sensitive after the browser window was opened.
	20043	Viewers in schedules do not show up with viewer sub-sub-groups
	19354	Not permitted error due to user content access permissions
PADS4 Foundation	20014	Uninstall of PADS4 Foundation leaves file system plugin service registered on machine

PADS4 2020.4 New Features highlights

August 31st 2020 (build version 4.12.7548)

	<h3>Camera & sensor integration in PADS4 CTRL Center</h3> <p>New in PADS4 CTRL Center is our Sensor platform! All your sensor connections are now managed from one central place. Connect cameras and sensors (<i>functional with Hikvision, Milestone XProtect Video Management Software & Quividi</i>) to a specific area and apply rules, and all incidents are reported directly. The dashboard even allows you to keep track of all incidents that happened, giving a clear overview.</p>
<h3>Light & dark theme options in PADS4 CTRL Center</h3> <p>You can now choose between a new light & dark theme from the user options menu in PADS4 CTRL Center.</p>	
	<h3>Instagram Dataprovider fix</h3> <p>We have fixed an Instagram API change issue with PADS4 Dataproviders & Datavaults. Please update to the latest version (2020.4) on your server & clients to create and setup a fully functional Instagram feed for your customers.</p>
<h3>Sensor dataprovider</h3> <p>Use the Sensor output inside PADS4 presentations. The data is stored into a configurable database (<i>SQL Server, SQLite, MongoDB, ProgreSQL</i>) and can be used for generation of reports. There are settings available to be fully GDPR compliant. You can add realtime events & information caught from the camera in your PADS4 presentations.</p>	

New Features list

PADS4 2020.4 (build version 4.12.7548, August 31st 2020)

Item	Description
PADS4 CTRL Center Sensors	<p>Create camera connections to Hikvision, Milestone and Quividi and retrieve camera events. Combine the cameras into Areas and set rules on the data to create incidents based on a trigger value. These incidents can be handled by your staff to keep everybody safe. We will expand the connections in later releases.</p> <p>The dashboard shows the number of incidents each day, and realtime Sensor status.</p> <p>Sensor module license is required. Please contact for more info.</p> <p>The data is stored into a configurable database (SQL Server, SQLite, MongoDB, PostgreSQL) and can be used for generation of reports. There are settings to be fully GDPR compliant.</p>
PADS4 CTRL Center	Added a light theme for PADS4 CTRL Center portal. Check out the user options to switch between dark and light theme.
Sensor data provider	Use the Sensor output inside PADS4 presentations. Show the events from the camera, show Area information which is able to combine data from several Sensors and creation of Incidents based on rules. Finally create statistical information.
Brightsign certification	Certification of the Brightsign XD234 player. Check out the installation manual for more details how to setup a PADS4 Viewer.
Page Led Bar property binding	On page level, specify the color of the LED Bar using a property binding which will allow you to dynamicly change the value of the LED Bar using a data provider. The color must be provided as hex #FFFFFF string.

Product Adjustments

PADS4 2020.4 (build version 4.12.7548, August 31st 2020)

Item	Incident	Description
PADS4 HTML5 Viewer	17629	Interactive button clear filter action did not clear the data provider filter
	19470	New Json data provider did not replace Viewer Variables in the URL with the actual values during show of the presentation
	19710	On Android 8 related devices the sound of Video element was always muted
	19237	Fixed Table element memory leak related to scroll in sync
	19471	Adjusting volume of Video element using property binding which was not set
	19474	Viewer could show a CORS error message if the server did not support certain headers in the http request
	19498	'Not Between' rule did not work properly
	19373	Scheduled presentations showed the wrong end date
	19451	On Android and Chrome, it could happen that the Video element started loading a file, that was not yet fully downloaded
	19435	Formatted text element did not handle cultures well
PADS4 Foundation	19620	NGINX access Log did not have a maximum size. This has been reduced to 1 month.
PADS4 Designer	19352	Datetimeoffset filter only supported datetime fields
	19742	Data provider Expression editor Test fail message when using a numeric Viewer Variable like { 80 = Convert('#Port#',System.Int32) }. Viewer Variables where not replaced by the value before the test executed.
PADS4 Office365 data provider	19424	Browse window sometimes loaded behind the parent window
	19279	Edit of Excel sheet from Office365 raises an error during authentication in some situations
Instagram data provider	19469	Instagram API adjusted. Old version did not work any more due to changes at Instagram. Following columns where removed in the API: Location_Namem, Tags, Image_filter, Link, User_Profile_Image, User_Website, User_Full_Name, User_Bio, Location_ID, Number_Of_Comments, Video_Width, Video_Height, Image_Width, Image_Height, Number_Of_Likes
Data providers	19362	Data providers with realtime connections did not support expression fields when using data server option
	19575	SQL Server data provider with more than 3000 rows got a timeout due to the size of data returned.
Flash element		Flash is End Of Life end of 2020. Please contact NDS if you are using Flash and want to extend the availability inside the product.
QR code Addon	19362	QR Code addon upgraded to newest version QR Code generation

PADS4 2020.3 New Features highlights

June 4th 2020 (build version 4.12.7460)

<p>New Microsoft Office 365 Exchange and Excel data providers: Create connections to the Microsoft cloud for retrieval of Exchange information and Excel spreadsheets. Connect to Exchange for retrieval of meeting information and get excel sheets from OneDrive or SharePoint.</p>	
	<p>PADS4 CTRL Center: In PADS4 CTRL Center, you can now show system information and synchronization information from PADS4 Viewers. Viewer log contains new filter and search functionality.</p>
<p>Show HDMI / DVI input on SSSP: Show HDMI or DVI as video input on Samsung SSP3-SSP6 devices.</p>	
	<p>New Philips HTML5 Viewer: New PADS4 Viewer which is able to automatically update the PADS4 Viewer software and perform tasks such as reboot, shutdown, WOL, turn off backlight, screenshot, LED support, Screen orientation, Volume control and block remote control. Applicable to D/Q/T/P Line Philips series.</p>
<p>BenQ certification: SL<xx>02K models certified for System on Chip display solutions with built-in Android OS.</p>	
	<ul style="list-style-type: none"> • Json Data provider New Json data provider for more advanced selection of data. • Import/Export Data Vaults Copy PADS4 Data Vaults to other PADS4 installations. • Auto text height Use text with a fixed width and automatic height based on content.

New Features list

PADS4 2020.3 (build version 4.12.7460, June 4th 2020)

Item	Description
Office 365 Data Providers	New Microsoft Office 365 Exchange and Excel data providers: Create connections to the Microsoft cloud for retrieval of Exchange information and Excel spreadsheets. Connect to Exchange for retrieval of meeting information and get excel sheets from OneDrive or SharePoint.
Json data provider	New Json data provider for more advanced selection of data. The treeview in the wizard will help the user to select the required data.
Quividi data provider	Added functionality for detection of persons glasses, beard and mood.
PADS4 CTRL Center	<ul style="list-style-type: none"> Show system information from PADS4 Viewers Show synchronization information from PADS4 Viewers Viewer log contains new filter and search functionality
Samsung video input	Show HDMI or DVI as video input on Samsung SSP3-SSP6 devices Specify for example SOURCE://HDMI1 or SOURCE://DVI1 in the video element playlist.
Text element	Use text with a fixed width and automatic height based on content. This can be of use in situations when the size of the message is unknown.
Philips HTML5 Viewer	New PADS4 HTML5 Viewer which is able to automatically update the PADS4 Viewer software and perform tasks such as reboot, shutdown, WOL, turn off backlight, screenshot, LED support, Screen orientation, Volume control and block remote control. Applicable to D/Q/T/P Line Philips series. Please check the PADS4 installation manual how to update.
PADS4 System Management	Copy PADS4 Data Vaults to other PADS4 installations using PADS4 System Management application. The file created is password encrypted.
PADS4 Windows application help	Until now the application help was installed local. We changed this to an online environment. This way the user will always have the latest version.
Viewer Hardware Certification	BenQ SL<size>02K serie has been certified by NDS

Product Adjustments

PADS4 2020.3 (build version 4.12.7460, June 4th 2020)

Item	Incident	Description
PADS4 HTML5 Viewer	19201	Tizen 2.4 time synchronization error
	19064	Current Presentation was still playing after changes were made in destination groups for this Viewer
	17994	In some situations the data inside a table element was not shown after a data scroll
	18907	Tizen 2.4 crashes due to memory leak in Table element
	18771	Some touch screens had the zoom functionality active
	18838	Show of Presentation playlist may result in duplicate event handler error
	18779	Automatic Viewer reboot only worked the first time
	18641	Formatted text element did not show row count
PADS4 Agent	19245	Export of Viewer variables fail. Opening file in Excel shows an error. Dbnul value could not be resolved during the export.
	17366	Export proof of play did not apply the filter set
PADS4 CTRL Center	19134	User with Scheduler license only does not see Viewers in Schedule section of PADS4 CTRL Center
PADS4 Designer	19192	Quividi columns were sometimes not displayed in Rule editor
	18972	Interactive button which changes a Viewer variable value for which the Viewer Variable has at least 1 uppercase character did not replace the value
	18786	Chromium web element is not shown in Designer. Microsoft C++ 2013 library is missing.
	17371	Proxy settings were not applied to chromium inside PADS4 Designer preview
PADS4 Server	19162	Host not found error was stored which referred to NTP connection
PADS4 System Management	18237	Import of Viewer variables converted the name to lowercase
PADS4 Sub Server	18739	Update of task on main server by Sub Server may return a serialization error. Main server task will remain to running state until Sub Server reconnects
PADS4 Data Server	18738	Crystal data providers were not combining the call to the source resulting in more data providers running on the Data Server.
PADS4 Aviavox data provider	19248	Lock problem during read of data could occur in certain situations.
PADS4 Quividi data provider		

Product Adjustments

PADS4 2020.2.1 (build version 4.12.7376, March 12th 2020)

Item	Incident	Description
PADS4 HTML5 Viewer	18816	New app implemented for Tizen screens (sssp4-sssp6) which could fail due to a timing issue on the device. This has been solved.
SharePoint data provider	18776	Failed to connect to SharePoint due to a Missing Microsoft registration app key when ADAL connection is used.




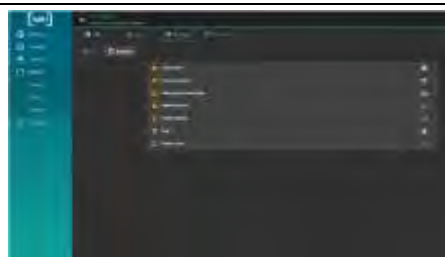

Important information!

The PADS4 installation process changed starting with version 2020.1.

Please check out the [online installation manual](#) for detailed information about how to update/install PADS4.

PADS4 2020.2 New Features highlights

February 20th 2020 (build version 4.12.7355)

<p>HTML5 Viewer Transition Effects: Want to add some flair to your images and presentations? You can now add three new transition effects to your content using an HTML5 viewer. Select a bounce, flip, or vortex transition to wow your audience, and enhance viewer engagement.</p>	
	<p>Multiple actions with interactive button & added POST request: The interactive button now is able to perform multiple actions, which can be sequenced in the order the user wants them to line-up. Additionally, it is now possible to send POST request using the interactive button.</p>
<p>Changing Viewer Variable value: User can now alter the default value that has been set to a Viewer Variable using the Interactive button. This means a multitude of configurations are possible by triggering a new value. For instance: selecting a language and based on that value run a presentation & limiting other redundant pages.</p>	
	<p>Compare & duplicate Viewer settings: In PADS4 CTRL Center, you can now easily duplicate/copy certain Viewer settings & properties to a range of Viewers. You can also compare specific Viewer settings to the settings of a group or individual viewers.</p>
	<p>LG WebOSBox WP400-JP & Giada DN74 certified: PADS4 is now certified to run on WP400 and DN74 (as a HTML5 Viewer).</p>

New Features list

PADS4 2020.2 (build version 4.12.7355, February 20th 2020)

Item	Description
PADS4 CTRL Center	Compare multiple Viewers and their settings in PADS4 CTRL Center
	Duplicate Viewer settings to multiple viewers in the PADS4 CTRL Center
	Edit all Viewer settings in the PADS4 CTRL Center
HTML5 Viewer effects	Three new transition effects for HTML5 Viewers, bounce, flip and vortex.
Tizen	<p>New app implemented for Tizen screens (sssp4-sssp6).</p> <p>Note: First startup may force a 2nd restart to launch the new app. Please do not power off the device during the install. This is an automatic process.</p> <p>The new PADS4 Server url for all tizen screens will be: <a href="http(s)://<server>/pads4/apps/tizen">http(s)://<server>/pads4/apps/tizen</p> <p>The screens which are currently using the old <a href="http://<server>/pads4/native/samsung">http://<server>/pads4/native/samsung url will automatically forward to the new one during load and no adjustment is required.</p>
Interactive button	<p>The interactive button now is able to perform multiple actions, which can be sequenced in the order the user wants them to line-up.</p> <p>New Web request POST request option</p> <p>Change Viewer variables using interactive button for the current running presentation. Changing Viewer variables, and use the values later in rules to perform actions, or filter data with these viewer variables during the lifetime of this presentation.</p>
New Market Delphi data provider	<p>Adjustments made for the New Market Delphi data provider providing the customer by receiving data using the locationID key.</p> <p>Please edit the current presentations created with older PADS4 versions and open the data provider to specify the locationID.</p>
Facebook data provider	<p>Changes made to the Facebook API.</p> <p>Please edit the current presentations with older PADS4 versions and open the data provider to re-authenticate with Facebook and approve NDS to retrieve data from your pages.</p> <p>You must have manage permissions for the pages you want to show to be able to receive data for this page.</p> <p>On our end we are working to allow access to public pages for which you do not have manage permissions for - no new release is required after Facebook approves this.</p>
Viewer Hardware Certification	<p>WebOSBox WP400-JP has been certified by NDS</p> <p>Giada DN74 has been certified by NDS</p>

Product Adjustments

PADS4 2020.2 (build version 4.12.7355, February 20th 2020)

Item	Incident	Description
PADS4 HTML5 Viewer	17372	Position of reflection was shown on the wrong position after flip and/or rotation of the image element
	17847	Interactive Button action data filter always used content from row 1 (start row option)
	17873	Blinking was not synchronized. When using more than one Viewer the blink was out of sync.
	17882	Memory leak in table element which occurred after page change.
	17891	Viewer variable used in actions of Interactive Button was not replaced by the value.
	17964	Font synchronization on SOC devices failed
	18343	Hold scroll position after page change option caused elements to start scrolling
	18382	Video inside table element with play once next page causes improper behaviour
		Performance improvements for large presentation playlist schedules
PADS4 Windows Viewer	18227	Improved time needed to start external element and connect the applications window to PADS4 page currently active.
	18250	Restart of Viewer application in combination with more than 1 data provider could prevent data from being shown. For this the data providers must receive the information exactly at the same nanosecond from the source which could result in a deadlock situation.
Data Providers	18434	Sharepoint ADAL authentication failed during creation of the data provider
	18521	Youtube data provider fix for API changes made by Youtube
	18524	Datavaults Youtube and Crystal return exceptions
PADS4 Designer	17771	Instagram data provider used Internet Explorer to enter the credentials which is no longer supported. This has been changed to Chromium.
	18316	Imported masterpage shows a black page background on a HTML5 Viewer
PADS4 Agent	17468	Automatic upgrade of Viewer failed causing the PADS4 software to be uninstalled. Windows sometimes performed an unexpected reboot during the upgrade process. After the reboot the setup was not continued.
	17861	Fonts windows could show a 'object reference not set' error message
	17917	HTML5 Viewer ip address shows localhost instead of ip address
	18097	Data providers of Sub Server where not shown. Instead the data providers from the Main Server where shown
PADS4 CTRL Center	18061	User without admin permissions was able to click on activate License button
	18642	Dashboard shows incorrect information when language is set to Russian

Important information!

The PADS4 installation process changes starting with version 2020.1.

Please check out the [online installation manual](#) for detailed information about how to update/install PADS4.

PADS4 CTRL Center is the new web based solution for PADS4 which is integrated into the setup. The Windows based PADS4 applications will still work together with the web based solution.

2020.1 New Features highlights

November 27th 2019 PADS4 2020.1 (build version 4.12.7271)

PADS4 Foundation / Clients setup: There are now two separate install files. One for the server PC (Foundation) & one for the Windows Client applications (Clients). This is by design to ensure a proper installation when upgrading to PADS4 2020.1. Please check the [PADS4 installation manual](#) for help before installing

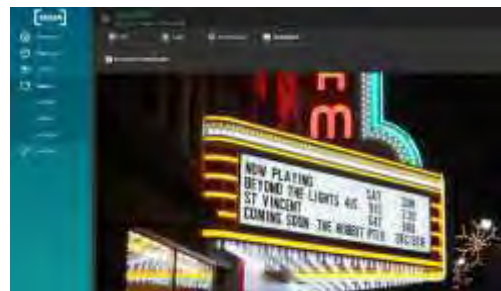


Youtube functionality in Windows & HTML5

Viewers: Play Youtube videos using the video element on Windows and HTML5 Viewers. Select the URL column from the data provider to connect to the video element



Screenshot functionality: Now inside of PADS4 CTRL Center, you can retrieve screenshots from your Viewers in realtime. Handy for checking the live status of your viewer, and if the content is running smoothly.



New languages available (German & French): PADS4 CTRL Center now has the option to enable German & French display language in the user-interface.

New Features list

November 27th 2019 PADS4 2020.1 (build version 4.12.7271)

Item	Description
PADS4 Foundation setup	New setup which contains PADS4 Foundation, PADS4 Server and PADS4 CTRL Center Please check the PADS4 installation manual for help before installing
PADS4 Clients setup	Setup to install PADS4 Windows Applications Please check the PADS4 installation manual for help before installing
PADS4 CTRL Center	Cluster Possibility to cluster 2 or more Viewers and to automatically move content and data in case of failure of a certain device.
	Screenshot Retrieve a live screenshot of what the Viewer is currently showing
	UI improvements Several UI improvements based on feedback
	Domains Logon to a specific domain in situations where the Server contains more than 1 PADS4 domain
	German and French translations added
	Online help available
RS232 Data Provider	Data Provider which is able to listen to a certain COM port and retrieves commands send to this port
Json & XML Feed Data Providers	New POST method added which allows the user to retrieve information using http headers
HTML5 Viewer	Tizen 2.4 (SSSP4) Video streaming support for RTP/UDP
	<presentation.gotopage> API functions for Web element which allows to send a command to the active PADS4 presentation to move to a different page from within a web application
Font installation	Allow installation of several font faces for a certain font family
Video element	Play Youtube videos using the video element on Windows and HTML5 Viewers. Select the URL column from the data provider to connect to the video element
NFC/RFID integration Android player	Support for NFC/RFID on HTML5 Viewer Android devices. PADS4 HTML5 Viewer provides <nfc.receiveitag> event which provides the ID
Qbic	Certified Qbic devices for HTML5 Viewer

Product Adjustments		
November 27 th 2019 PADS4 2020.1 (build version 4.12.7271)		
Item	Incident	Description
PADS4 HTML5 Viewer	17964	Font synchronization failed on SOC devices
	17882	Memory leak in table element caused HTML5 Viewer to increase memory usage
	17875	Elements inside Table element did not use the page blink/alternate interval when specified for playlists specified inside the elements
	18056	Rule in combination with page change where the visibility of the page is changed could result in 2 active pages
	18015	Scrolling text element separator direct after text using a rule failed Scrolling text alignment adjusted adjusted Scrolling text play once next page for direct after previous text mode failed
PADS4 Windows Viewer	17883	Due to a performance issue on certain devices, blinking images inside a Table element could show up after each other. This has been improved
	17997	Proof of play stored an incorrect utc time
PADS4 Server	17947	Verification of intranet HTTPS certificates could fail with a CertificateNotFoundException error
PADS4 Designer	17940	Edit of Yammer data provider can stop the Designer from responding. Change In the past to use chromium in stead of Internet Explorer caused this
PADS4 Agent	17884	Agent and PADS4 CTRL Center should show N/A when certain information cannot be retrieved from the Viewer
PADS4 CTRL Center	18061	PADS4 User which has no permissions was able to click on activate the license under licenses

New Features

September 26th 2019 (build version 4.12.7208)

Item	Description
PADS4 HTML5 Viewer	Failover server for HTML5 Viewer. Possibility to automatically switch to a backup server when the main server fails and redirect back to the main server when the main server is back online.
Chart element	Possibility to add a secondary axis. Data serie option to use the secondary axis instead of the main.
.Net framework data provider	Password option to hide the connection settings textbox by default. This textbox optionally contains a password which is only visible by specifying a password.

Product Adjustments

September 26th 2019 (build version 4.12.7208)

Item	Incident	Description
PADS4 Setup	17468	Update of PADS4 Viewer software using the Agent may result in the uninstall of the PADS4 Viewer on Windows devices. We discovered that a running Chromium web element caused the uninstall process to perform an unwanted reboot during setup.
PADS4 HTML5 Viewer	17372	Reflection in combination with flipping caused the reflection to contain a wrong position
	17472	IP Address returned from Samsung SSP3 device showed wrong value
	17656	Interactive button does not show text over an image
	17657	Interactive button does not show the original color when the mouse is no longer hovered above the button
	17704	WebOS 3.2 device: offline start of Video after restart can cause failed to load video error to occur.
	17707	Apply filter and data sort was not reset after pagechange
PADS4 Windows Viewer	17503	Blinking on masterpage did not follow the timing of the current page displayed
	17573	Changing domain settings in Viewer options menu from automatic to manual does not save the new value after OK is pressed
	17470	Web element: Cropping did not work properly for Chromium
PADS4 Designer	17771	Instagram credentials could not be specified in the Instagram logon window (Internet Explorer problem). Logon window has been changed to Chromium.
	17777	Web element could open a new browser window in front of the PADS4 Designer.

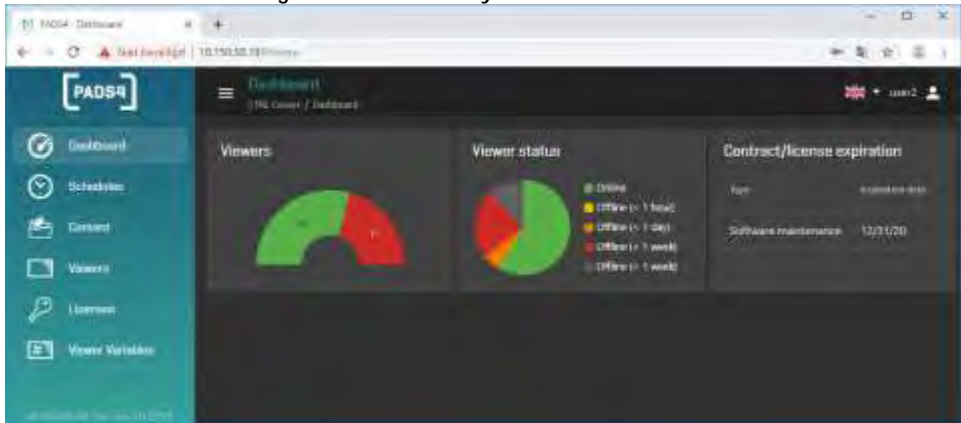
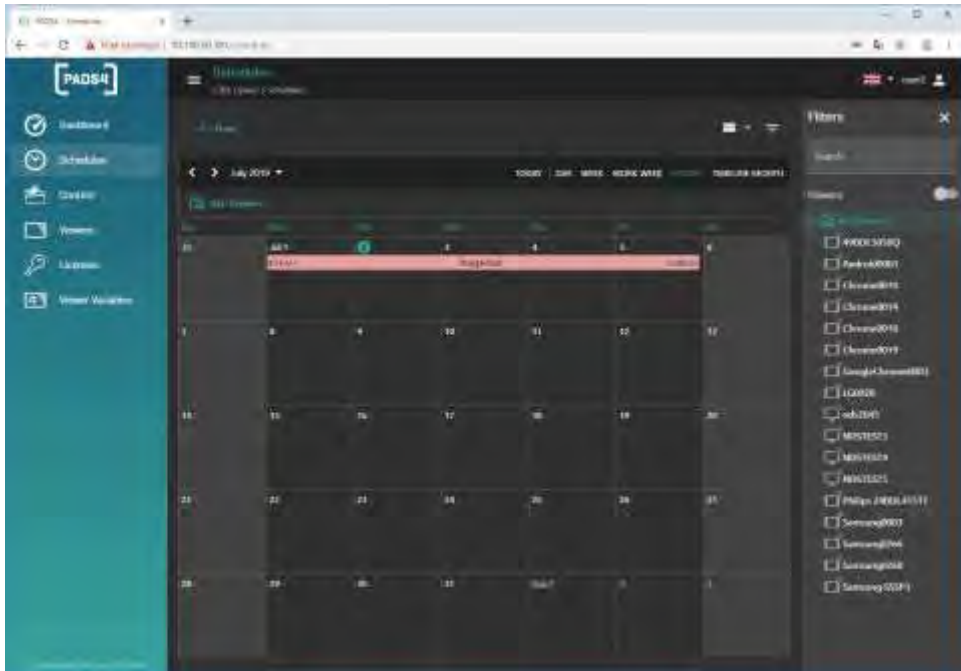
Product Adjustments		
August 29 th 2019 (build version 4.12.7180)		
Item	Incident	Description
LG WebOS3.2	17704	On SM5D & SM5KD devices, it was possible that if a video was started during the initialization of the device, it gave an error on the video element. And presentations with only one page and one video on autorepeat, didn't recover from this problem.
Twitter data provider	17529	In the Twitter data provider we solved a problem, that when you didn't specify the maximum number of rows, that it didn't retrieve any data.
Instagram data provider	17562	The search option has been removed from the Instagram data provider, because it was removed by Instagram from their Api. Also we fixed a problem with the facebook authentication in the Instagram data provider, because of api changes.

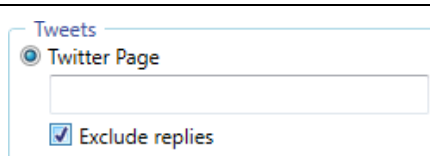
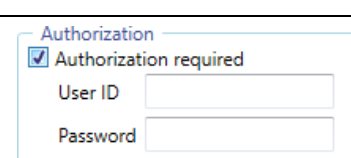
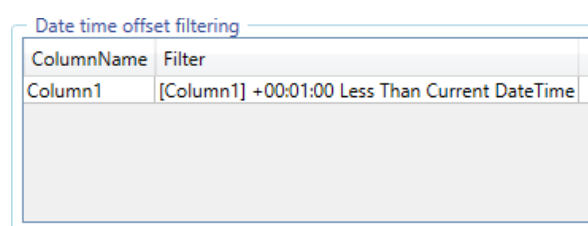

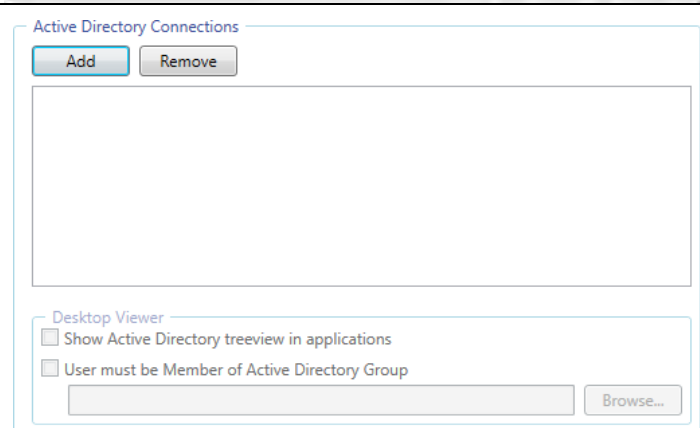
Product Adjustments		
August 6 th 2019 (build version 4.12.7158)		
Item	Incident	Description
LG WebOS2	17434 17488	SM5B-BD device did not start automatically and was waiting for a remote control OK press action from the user.
PADS4 Designer	17424	Some rule options such as row count and data scroll on presentation and page level were hidden which should be visible.
LG WebOS4 firmware		LG released new firmware for WEBOS4 (SM5KE & UH5E) version 04.03.40. Click here to download this firmware. In case PADS4 Server was updated, the WebOS4 device failed to update the Viewer and the user had to manually reset the device.

Product Adjustments		
July 29 th 2019 (build version 4.12.7149)		
Item	Incident	Description
PADS4 CTRL Center	17335	When enabling https in PADS4 CTRL Center, PADS4 was not informed and as a result the synchronization of content failed for HTML5 Viewers.
PADS4 data provider	17126	OData basic authentication header was not added in the call when selected.
PADS4 Scheduler	17277	Sometimes PADS4 Scheduler showed messages during creation of new schedule after selection of presentation. This was caused by a formatted text element inside the presentation.
PADS4 Server	17381	Preview of presentation in CTRL Center causes PADS4 Server to malfunction in the situation where a chromium web element was present in page 1 of the presentation.

New Features

July 10th 2019 (build version 4.12.7130)

Item	Description
PADS4 CTRL Center	<p>PADS4 CTRL Center is the first web based PADS4 solution. Please take a look at the installation process documentation for installation help and a minor introduction into the product functionality.</p> <p>PADS4 CTRL Center is written on new developed PADS4 architecture based on micro services. This first release contains the daily used operations. In the next months we will continue in releasing new functionality for PADS4 CTRL Center.</p>   <p>Click here for installation process documentation</p> <p>Click here to download PADS4 CTRL Center</p> <p>PADS4 CTRL Center requires PADS4 version 4.12 to be installed!</p>
PADS4 CTRL Center API	<p>PADS4 CTRL Center contains a API for which the documentation can be shown by using the URL Error! Hyperlink reference not valid. >/api. This will show the available services and provides access to detailed information. This information can be of use when creating applications that need to interact with PADS4 CTRL Center.</p>

Video Element	Video udp/rtp streams on Windows PC's performance increase up to 60%. When option "enhance video performance" is enabled, the video is rendered on the windows forms layer instead of the wpf layer, which improves the performance up to 60%. In this situation the video will always be positioned on top.	
Viewer Synchronization	Automatic synchronization of blink and alternate between separate Viewers which results in the visual change to be executed at the same time for all the Viewers. There are some requirements which must be taken into account for the best result. Check out the PADS4 Designer help documentation element blink/alternate property for the requirements.	
Twitter data provider	New option to skip reactions for posts which allows you to remove the reactions posted on your tweets.	
Chromium Web element	Possibility to specify user credentials which can be provided to a website when the site asks for credentials to prevent a login popup.	
Data provider current datetime filter	New data provider filter which is able to filter data based on a datetime period in combination with the current date/time.	
Rules	Added usage of datetime value offsets inside rules which allows you to use offset values to add/remove time from a certain datetime value.	
Multiple Active Directory domains	Support for multiple Active Directory domains. Use PADS4 System Management to add AD domains.	
Crystal Preview	API performance improvement for creation of PADS4 presentation preview images.	
Web Scheduler	The old PADS4 Web Scheduler has been removed from the PADS4 Setup and is replaced by the new PADS4 CTRL Center portal in which a new Scheduler is integrated.	

Product Adjustments

July 10th 2019 (build version 4.12.7130)

Item	Incident	Description
PADS4 HTML5 Viewer	16665	Filter which compares string based datetime columns showed improper result
	16996	Table with option "Hide when no content" enabled was shown when there was no data available
	16999	Web element did not show content from local file URL
	16994	Data provider filter based on column which does not exists anymore should not activate the filter
	17118 17116 17123	In some situations the Samsung SSSP devices retrieved the system date after the schedules were calculated resulting in using the year 1970 which is the default on Samsung devices
	17134	Screenshot option on WebOS 3/3.2 failed for videos
	17071	When the User checked the use data filter in the data provider wizard, but did not add a filter, this resulted on the HTML5 Viewer to return no data
PADS4 HTML5 Launcher	16874	Update version 1.5.2 available: Led-bar did not function properly on ladea XDS-1078 in combination with launcher 1.5.1
PADS4 Viewer	17065	Yammer data provider authentication failed
	17156	Effect mismatch when using a playlist of image showed uniform with different sizes
	16585	Added viewername in low on memory alert mail
	17120 17073	Web element using chromium did not show the content after a page change occurred
	17066	Web element using chromium could show popups when a large cache was used to store content. We increased the amount of temp storage to 10GB
	16741	Proof of play error message 'sharing violation' on the Viewer was caused due to file locking problem
	16702 16121	Improvement in video unloading process in combination with a presentation playlist that contains 100+ separate presentations
	17049	Web element using chromium in combination with rule that makes the element visible, failed.
PADS4 Designer	17054	Viewer name verification in preview window to prevent special characters from being entered
FIDS data provider	17087	Content type selection content as playlist inside FIDS data provider selected wrong contenttype
PADS4 data server	17111	In some situations the data server did not combine data providers to one data read call when some properties were empty

New Features

May 22th 2019 (build version 4.11.7081)

Item	Description
Chromium web browser	<p>Web element will use Chromium as web browser. For old presentations the Internet Explorer is still used for backwards compatibility. Open the web element properties and change the browser selection to Chromium (behaviour menu item).</p> <p><i>If you have the PADS4 Chromium Addon installed, please uninstall this Addon before installing this release.</i></p>
Viewername in PADS4 HTML5 Launcher	With this version of the HTML5 Viewer, you are now able to preconfigure the viewer name in the PADS4 HTML5 Launcher.
PADS4 HTML5 Viewer	Viewer Implementation for ProDVX ABPC-543.
Data Providers	With the new regular expression option in the dataprovider wizard, you can replace or remove unwanted content from the retrieved data in all dataproviders.
Sharepoint Dataprovider	The sharepoint dataprovider supports the removal of html content from the data.
Join Dataprovider	In the Join dataprovider, you can now also selected the Data Vaults that are available in your installation. This allows you to also join data from Data Vault sources available in the PADS4 system.
SOAP Dataprovider	Advanced connection settings are now available in the SOAP Dataprovider which will allow you to specify specific SOAP related settings.

Product Adjustments		
May 22 th 2019 (build version 4.11.7081)		
Item	Incident	Description
PADS4 HTML5 Viewer	16310	When in the HTML5 Viewer the option 'Turn off screen when there is no presentation shown' was enabled and there was no active presentation. The screen was turn off and on again every minute.
	16664	Rules that used numbers with decimals and comma as decimal separator, could fail because the current culture settings where ignored.
	16318	Fonts support is fixed for SSSP3.
PADS4 Designer	16845	Fixed an issue in the Yammer Dataprovider where you were no longer able to select groups in this dataprovider.
	16708	A Facebook dataprovider that returned more that 20 rows, gave an error in the Designer Application.
	16653	Fixed sorting issue in dataprovider wizard.
	16666	Interactive buttons on the masterpage stopped working when this presentation was used in the presentation in page element.
	16369	Data changes in dataproviders could trigger rules to change page even if they weren't active.
SOAP Data Provider	16668	We added the possibility to specify custom authentication headers for SOAP
PADS4 Server	16334 16567	Solved the issue where the server logged the message 'already tracking alert entities'.
PADS4 Data Server	16195	Fixed handle leak in data server when using Data Vaults.
	16333	Improved thread management on PADS4 Data Server.
PADS4 Content Organizer	15952	When switching the connection in the applications, it was possible that the controller stopped responding and didn't connect to the new server. So when the synchronize button was pressed you got the message: not connected to PADS4 Server.
	16811	Improved performance of the thumbnail generation in the content organizer.
PADS4 Viewer	16626	PADS4 Viewer nolonger logs the removed presentation on a presentation change.

Product Adjustments		
April 9 th 2019 (build version 4.11.7038)		
Item	Incident	Description
PADS4 HTML5 Viewer	16168	Video element connected to a xml playlist data provider ignored the clipping option (Clipping="true")
	16379	After 3 times Invalid pincode input, the popup showing a gray overlay. This gray overlay was also shown when a presentation was active after closing the popup
	16317	Display portrait rotation setting could result in placing images at the background of the page instead of the front (z-order)
PADS4 Viewer	16350	Text element inside table element connected to a data provider which returned a xml playlist, did not update the rule during a data change
	16515	Scrolltext connected to data provider which returns a playlist showed the xml playlist instead of playlist items when the scrolltext is inside a table element
	16180	WSDL data provider showed invalid error ("Object reference not set") message when the connection could not be established.
	16159	Excel data provider was unable to retrieve excel data from a url link
PADS4 Designer	16627	Opening presentation in 4.11.x created in 4.9.x which contains a WSDL data provider could result in a "the object manager found an invalid number of fixups"
PADS4 Agent	16307	Excel Export of viewer connections ignored filter
PADS4 System Management	16565	Changing Server setting 'directory browsing' did not store the changes when no other change was made in this page

Product Adjustments		
March 14 th 2019 (build version 4.11.7012)		
Item	Incident	Description
PADS4 HTML5 Viewer	16134	Property binding inside Table element always uses the first row
	15878	Test expression with viewer variable results in an error because during the test the viewer variable was not translated
	15940	Formatted text element skipped some timezones
	16036	Adjustment of Viewername on the device itself where the viewername already exists, logged a cannot rename message, where the rename was executed
	16013	Samsung Tizen shows incorrect datetime when running offline after reboot when the system datetime is incorrect specified
PADS4 Viewer	15402	Scroll data once and show next page inside Presentation in Page element did not loop when there was only one playlist item available
	15895	Formatted text on masterpage which is made visible using a rule did not show
	15265	Text elements using datascroll where after a data update the data has less rows than the current and the current scroll position is beyond the maximum rows available in the new situation may show empty data in between and afterwards continue.
	15902	'Compare as date' rule is comparing the date and time. Adjusted the GUI interface to show 'compare date/time'
	15904	Different timezone may cause invalid display of formatted text date/time
	16092 16091	Interactive button filter using quotes inside text may break up the filter. For example "what's up".
	14134	Rename viewer stopped viewer from working. Add destination using System MGT. Start Viewer. Open options screen on Viewer. Change Viewername. Press OK. Open options screen again and check log. Viewername could not be renamed message occurs.
	16210	Scroll in sync picture element connected to text element did not scroll in sync
	16235	Duplicate synchronization ID message moved from Viewer log to sync log. This message occurs when the server aborts the sync process.
	16381	Zone Viewer data retrieval from data providers problem fixed
	16259	Table element created in 4.6 which contained a invisible footer including text elements did not show. Edit of footer solved this.
PADS4 Agent	15910	Delete of more than one blackbox only removed the first selected one
PADS4 WSDL Data Provider	16180	Invalid error message displayed when the connection failed
PADS4 Applications	16132	Opening a PADS4 presentation by double click on the file may cause the general settings to be overwritten which results in the PADS4 connections to be empty
	16231	Logon PADS4 applications username is case sensitive after migration to 4.11. We will adjust this to case insensitive.
	16261	After migration to 4.11. the language may show English when another language is selected. Due to framework upgrade, the load of the language for some applications was performed to late.
Content Organizer	15143	Delete of multiple files during load folder could result in a 100% cpu usage during log time

Offline Activation	16303	Offline activation used invalid extension (.akt) when German language was selected
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Product Adjustments	
February 12 th 2019 (build version 4.11.6982)	
Item	Description
PADS4 installation	After installation the PADS4 Agent may show an error message direct after start and the PADS4 Designer does not show Viewer Variables. This issue occurs because PADS4 was unable to find certain library files. It is related to the available Microsoft Framework version and OS and does not occur on every system. If you do not have experienced this, installing the update is not necessary.

New Features

February 6th 2019 (build version 4.11.6976)

Item	Description
PADS4 Database	<p>Lifecycle of SQL-CE ended which forced us to migrate to a different database. Database migration to SQLite is automatically performed by the install process.</p> <p>The old PADS4 database is kept. In case you roll back to a version before this one, the old PADS4 database will be used instead but changes made to the new environment will not be migrated back to the old system.</p>
TLS Data communication encryption	<p>TLS (Transport Layer Security) provides new HTTPS based communications security over the network between all PADS4 components.</p> <p>Using PADS System Management Server settings, TLS encryption can be enabled using a global certificate. When enabled this will force all communication between PADS4 components to be executed using TLS. Be aware that you need to upgrade Both server and Viewers before TLS can be enabled.</p>
Data Provider Custom HTTP Header authentication	<p>Added custom header functionality for advanced authentication. This is related to all available internet data providers.</p> <p>HTTP headers allow the client and the server to pass additional information. Check out if additional authentication is needed to connect to your source.</p>
Data Provider Row Number	<p>Option to add a column with the row number.</p> <p>This number identifies the row and can be of use when joining data providers or add expressions.</p>
LED Bar for Android devices	<p>Option to specify the LED light bar color for supported Android devices. PADS4 can control the color and change it based on rules. This allows the meeting rooms to use the LED light to display for example the status of the room.</p> <p>PADS4 Designer Page properties contains a new option to specify the color for the LED light bar. Currently we support ladea 1078(new firmware 2.0.1 required), Philips D-line and Prodvx LED light bars.</p> <p>Please download the new PADS4 1.3.2 launcher to use this option. http://go.pads4.com/?fwlink=1004</p>
SDK	<p>PADS4 framework upgraded to 4.6.2 in the release of January 10th 2019. Please update your SDK programs</p> <p>Changes in SDK structure require additional adjustments to the code. Please check the documentation updates from the sdk help.</p>

Product Adjustments		
February 6 th 2019 (build version 4.11.6976)		
Item	Incident	Description
Full CD Setup		After installation the HTML5 Viewer could continuous update the software. This had to do with an invalid version number between server and Viewer.
HTML5 Viewer	15776	Formatted text element in combination with data provider and timezone showed an incorrect time
	15740	On some Android devices the device time was used instead of PADS4 server time
	15387	Incorrect scrolling text start position
	15681	Formatted text element page number option caused the page to stop changing in the 2 nd cycle of the presentation view
	15706	'display status on' message occurred frequently in the viewer log
	15707	Samsung SSP3 and turn screen off when no presentation scheduled option did not turn off the display
	15710	Play all videos once next page option on page level failed
	15747	Automatic adjustment of font size fails in the 2 nd cycle of the presentation view
	15789	Start Android device, remove network connection and restart device caused the viewer to keep restarting
	15539	Existing local Viewer proof of play cache was not stored in the proof of play database because of a datetime conversion error
	15734	Formatted text element could not display culture specific characters
PADS Viewer	15711	Default screen standby mode state was RS232 instead of windows power management
	15726	Interactive button which sets filter resetted a sort setting which was already active
	15561	Flash occurred when moving from a page with a Video to a page that contains a picture
	15490	PDF document clipping when the clip region is passed the number of available pages in the pdf document caused the play once next page to wait instead of directly moving to the next page
	15708	Viewer tried to load content library from invalid location. This happened after the main server disconnected followed by the viewer redirecting to the backup server followed by a restart of this Viewer.
PADS4 Desktop Viewer	15717	PADS4 Desktop Viewer did not synchronize Data Vaults. 'failed to download' message was stored in the log.

Known issues in 4.11.6976		
Item	Date	Description
HTML5 Viewer Interactive button	February 6 th 2019	Interactive button located inside Table element which executes a Filter based on a data provider always uses the first row.

New Features

January 10th 2019 (build version 4.10.6949)

Item	Description
PADS4 HTML5 Viewer	<p>NDS finished development of a new HTML5 Viewer engine.</p> <p>The HTML5 Viewer engine has been rewritten with the following improvements:</p> <ul style="list-style-type: none"> • Supports the new Samsung SSSP6 • Supports the new LG WebOS4 • Decrease memory consumption • Improved stability & reliability • Real time data provider updates • Real time rules • Improved performance, stability and reliability for video on all devices • Improved performance using data providers • Rule based data scroll changes • Fixed several bugs reported from old engine • Redesign of all supported devices • Better maintainability for new features <p>Content which is not yet available on the local Viewer, will no longer be downloaded from the PADS4 server directly. The Viewer will wait for synchronization download to be completed. This prevents network overload which may occur on systems where a large amount of Viewers are running.</p>
	Please check the firmware specifications for your device before upgrading
PADS4 HTML5 Viewer	Support for Samsung SSSP6 displays
PADS4 HTML5 Viewer	Support for LG WebOS4 displays
Json data provider	<p>Added custom header functionality for advanced authentication.</p> <p>Next release will contain the same functionality for all internet related providers.</p>
Sharepoint data provider	<p>Added ADAL (Azure Active Directory Authentication) connection method for Sharepoint</p>
PADS4 Designer	<p>Select viewer name from a list of all available viewers in the Preview window to prevent input of unexisting viewer names</p>
PADS4 Crystal CMS data provider	<p>New data provider for PADS4 Crystal CMS, our web-based CMS that simplifies the management of digital media.</p> <p>For more info: http://pads4.com/pads4-crystal-cms</p>
Microsoft Framework	<p>Upgraded Microsoft Framework from 4.5 to 4.6.2</p> <p>When upgrading the Viewer, Microsoft Framework 4.6.2 is required and PADS4 will try to download it from the internet.</p> <p>To prevent this, the framework 4.6.2 must be available as prerequisite at the PADS4 Server PC when the upgrade is performed by the PADS4 Agent or Software update wizard.</p> <p>Add the Microsoft framework 4.6.2 prerequisite into the C:\ProgramData\PADS\Setup\Prerequisite folder on the PADS4 Server.</p>
SDK	<p>PADS4 framework upgraded to 4.6.2</p> <p>Please update your SDK programs</p>

Product Adjustments		
January 10 th 2019 (build version 4.10.6949)		
Item	Incident	Description
Facebook data provider		Facebook upgraded to API version 2.12 PADS4 version from May 8th 2018 or higher required to function properly
Google+ data provider		Google shut down the Google+ api with which we retrieve the information because of security risks.
WSDL data provider	15445	WSDL in combination with authentication failed with unauthorized error message
Genesys data provider		Authenticate credentials could fail in certain situations with an 'object reference is not set' error message
PADS4 HTML5 Viewer	15413 14729 14675 14607 14549 14548 14542 14533 14532 14530 14529 14508 14678 14432 14428 14382 14258 14171 14137 13993 13950 13948 13619 13618 13616 13603 13946 12904	Bugs which were reported for the old HTML5 Viewer and which have been fixed/redesigned
PADS4 Viewer	15555	Proof of play on page level in combination with rules which will make a page visible failed
	15398	handle leak fixed in situations where a large amount of presentations (100+) were specified for a schedule
	15491	In some situations clipping the pdf element document resulted in not showing the page
	15123	Auto data scroll of data in combination with interactive button manual scroll and interactive button page change could result in showing the wrong row content
	14759	Interactive button page change in combination with data provider refresh rate of 0.1 second could result in showing the wrong page
	14830	Interactive button 'scroll down' in combination with elements which have data scrolling enabled could not scroll down to 1, but only to the value which was active at that time for data scrolling
	14904	Data provider inside Zoneviewer always looked for the default content library

	15397	Powerpoint play once next page in combination with playlist which contains more than 1 item will force a page change after the first item
PADS4 Designer	15370	Using keep/open option in Designer main bar when you have more than one twitter data provider could result in not being able to scroll down in the list with data providers
	15142	Sort inside data provider wizard replaced a viewer variable by the value when editing
	14873	Possibility to select empty categories for xml data provider
	15122	Edit of image using browse in playlist mode failed when not selected before edit was clicked
	15048	Freeze of designer during element replacement in combination with usage of right mouseclick
PADS4 Server	15483	Saving data into content library could result in extreme server cpu usage
		Restart of large amount of Viewers caused handles and threads to increase dramatically
	15319	Starting large amount of PADS4 domains caused timeout which resulted in a restart of a domain
PADS Data Server	15670	Data Vault execution caused a handle leak

Product Adjustments		
November 1 st 2018 (build version 4.9.6879)		
Item	Incident	Description
PADS4 System Management	14989	Global Viewer settings could not be edited after a new installation of PADS4. Existing updated installations, do not have this problem.
PADS4 Synchronization	14949	Google Chrome version 70+ caused the update of files during synchronization to stop working after the initial full synchronization.

New Features	
October 31 th 2018 (build version 4.9.6878)	
Item	Description
Subscription & SMA	Expiration checks build in that will notify the user when subscription or SMA expires one month before expiration. During the start of Scheduler, Messenger, System Management, Agent or Designer a Windows system tray balloon will pop up with the information about the expiration.
PADS4 Crystal CMS data provider	New data provider for PADS4 Crystal CMS, our web-based CMS that simplifies the management of digital media. For more info: http://pads4.com/pads4-crystal-cms
Interactivity scroll reset	Click on interactivity button will reset the page data-scrolling timer to prevent a second system data scroll just after the user clicked on the button to scroll the data manually.
Web element Ignore scaling	Web element option 'Ignore scaling' option ignores the MS Windows customize your display scaling and uses 100% instead.
Thumbnail Viewer API	CreateThumbnail web API call has been extended with parameter viewer name, which allows the SDK user to specify a viewer name. By specifying a viewer name rules and viewer variables which refer to the viewer name will be resolved during creation of PADS4 presentation page thumbnail image.

Product Adjustments		
October 31 th 2018 (build version 4.9.6878)		
Item	Incident	Description
PADS4 Viewer	13398	Rule in text element inside table element is not activated when the original text has a data provider and the rule changes the data provider to a playlist item.
	14582	Rich text element did not show scrolled data from data provider after page change.
	14633	Powerpoint presentation which has option 'number of slides from' set to 0 instead of 1 (default) will stop at the last page with the message 'page x does not have an advance slide time set'.
	13421	Video element option 'Play all videos once and go to next page' in combination with an playlist with an empty row waited for 10 seconds before moving to the next page.
	14879	Image animation in combination with size change performed the size change during the effect
YouTube data provider	14853	Authentication failed for new data providers. YouTube adjusted authentication process without notice.
PADS4 Agent	14546	Retrieval of Data from data provider or scheduled presentations could fail when the presentation contains a string date time field and uses the convert to date time option in the data provider where a different culture was selected. This resulted in an ndsexception message inside the PADS4 Agent.
PADS4 Designer	14489	Added message in the PADS4 Designer preview when 'calculate time of page change based on schedule time' is turned on to inform the user that this option will be disabled during preview in the PADS4 Designer because the user is able to start preview from every page.
	14786	Adjusted jpg option for folder data provider that it will also check for jpeg extensions
	13425 13912	Export presentation which contains multiline playlist file items did not include these files into the export file.
	14878	Expression column allowed leading and trailing spaces which could result in problems when column names where used to concatenate data.
PADS4 Scheduler	13403	Extend schedule period using the mouse over 30 days showed an error message.
PADS4 Server	14545	PADS4 4.7.x Viewer connected to a PADS4 4.9.x Server using data scrolling could show an extra empty row
PADS4 System Management	14629	It was possible to add content permissions for system defined admin group.
PADS4 Content Organizer	14735	When using more than 1 domain, PADS4 Content Organizer opens the default domain in stead of the current used domain when the PADS4 Content Organizer is started from the PADS4 Designer

Product Adjustments		
September 19 th 2018 (build version 4.9.6836)		
Item	Incident	Description
PADS4 Viewer	14634	The background image in windows viewer has been fixed, so when no presentation scheduled, you will see this image.

New Features	
September 12 th 2018 (build version 4.9.6829)	
Item	Description
PADS4 Microsoft Dynamics CRM data provider	Microsoft Dynamics CRM data provider. Retrieval of customer relationship information stored in your CRM system.
PADS4 Viewer Proxy Server	Possibility to specify a general web proxy server for a Windows Viewers. This will force all Windows Viewers to use a proxy server for communication between client and internet.
PADS4 Viewer Volume Control	New Viewer setting to specify the Windows volume level of a Windows Viewer PC. Adjust Microsoft Windows volume level from within PADS4.

Known issues in 4.9.6829		
Item	Date	Description
Background image Windows Viewer	Sept. 13 th 2018	The background image displayed when no presentation scheduled is not shown because of a default content type change. This will be adjusted and released next week

Product Adjustments		
September 12 th 2018 (build version 4.9.6829)		
Item	Incident	Description
PADS4 Viewer	13869	Scrolling text element aligned right when middle was specified
	13952	Scrolling text element in combination with a rule always scrolled
	13704	Image element in combination with uniform option and rounded corners displayed rectangle corners
	13864 14468	Interactive button with action scroll data, scrolled out of the data range which resulted in showing a blank item
	13951	Interactive button in combination with automatic page expiration when no interaction is detected after x time did not trigger the expiration after x
	14013	Page change based on data provider & rule with visibility switch could result in an empty page when an effect was used
	14083	Interactive button is not invisible after a rule changes the visibility to false
	14254	PDF element did not load a pdf from a url
	14227	Table element footer did not show all rows in combination with rules and changing amount of rows from the source
	14141	Added realtime rule check for text element when data update arrives
	14425	Table element using element starting at a row > 1 along with a scrollstep > 1, caused the element to scroll over the maximum number of rows and display an empty page.
PADS4 Agent	13617	Add viewer name in unexpected shutdown notification message to identify the device which has shutdown
	14346	Duplicate of viewer variable resulted in an error message
PADS4 Designer	13571	Presentation recovery also showed presentations of a different user. Adjustment made that document recovery only shows documents that need to be recovered for the current user.
	14106	Table element row editor element properties context menu did not open on right mouse click
Text file data provider	14086	Parsing an Url as filename did not work properly and resulted in a "the remote name could not be resolved" error
PADS4 Data Server	14245	Expressions were not compared properly which could result in the data server combining 2 data providers which had different expressions
PADS4 Scheduler	14277	When firstday of week is other than monday, the week and workweek still view Monday as the first day
PADS4FIDS	13512	Creation of a timetable flight where the timetable period is in the future showed an empty enddate

New Features

August 8th 2018 (build version 4.9.6794)

Item	Description
PADS4FIDS	In the flight views of the FIDS Operator have an additional column that shows if the flight is international or domestic.
	In the flight views of the FIDS Operator Filter option for international / domestic
	Added sorting columns for today flight view
PADS4 Scheduler	Added Sorting columns for table view

Product Adjustments

August 8th 2018 (build version 4.9.6794)

Item	Incident	Description
PADS4 Controller	14102	A bug in the content synchronization has been resolved that could cause the following error during synchronization: 'Sync session failed: cannot access disposed object'.
	14103	We fixed an error that could occur during the synchronization of file larger than 2 GB.
PADS4 Sub Server	14104	Several changes are made to improve the connection stability between the main and sub/backup servers, solving issues with database locking, null reference exceptions, unnecessary disconnects and improving server reconnects.
PADS4 Data Server	14245	The data server could consider two almost identical data providers identical, this resulted in the data server returning the wrong data.

New Features

July 3rd 2018 (build version 4.9.6758)

Item	Description
GDPR	General Data Protection Regulation appliance. Due to new regulation, we are not allowed to show the current stored user information during license updates. The user has to re-enter this information.
PDF element	Implementation of improved PDF generation library which results in a closer feel and look compared to Adobe PDF reader.
Windows Scaling	Adjustments for use of Microsoft Windows environments which have a higher display zoom level of 100% applied. This is related to PADS4 applications and Viewer elements on Microsoft Windows PC's
Viewer Variables	Import/Export function which allows the user to export viewer variable to Microsoft Excel, edit viewer variables and import the excel sheet into PADS4
Facebook data provider	Facebook restricts the number of calls made to their server and will abort calls if they suspect abnormal behavior. We now force using the data server for Facebook to prevent all Viewer from calling facebook directly which increases the call amount dramatically. The minimal time between two calls will be increased to 5 minutes.
Instagram data provider	Option to receive information from a different user is removed bij Instagram. User will have to logon as this user to receive info.

Product Adjustments		
July 3 rd 2018 (build version 4.9.6758)		
Item	Incident	Description
PADS4 Viewer	13377	Data provider which contains a Viewer variable inside the filter and executed at the data server, combined the data providers which resulted in showing the data of the first provider added to all viewers in stead of each viewer showing data for the filtered viewer variable.
	13378	Font was not installed when the file extension was written in capitals (.TTF)
	13379	Viewer variable inside proxy setting of web element was not translated to the value at runtime.
	13519	Web element leaked user objects in screenshot mode which resulted in loss of memory.
	13491	Presentation in page element did not play all videos in combination with 'calculate time of page based on scheduled time'
	13868	Recurrent daily schedule with starttime 00:00 and endtime 00:00 reloaded the presentation in the last minute
	13703	Usage of two identical data providers from which one had a filter with an viewer variable showed the content of the unfiltered data provider.
	13908	When a full screen video was displayed which used the option increased performance, blocked the open viewer options menu using the mouse button.
PADS4 HTML5 Viewer	13404	Rule is not triggered in presentation with only one page
	13731	Usage of '%' and '#' characters inside filenames caused the content to be downloaded continuously which resulted in a high cpu and network load on the PADS4 server
PADS4FIDS	13369	PADS4FIDS data provider used port 443 by default instead of 80. This should only occur when using HTTPS.
	13400	PADS4FIDS data provider back button failed on the display area page inside the wizard
PADS4 Data Server	13863	Viewer connections data providers with option 'use data server' and filters where not combined on the data server during execution
PADS4 Designer	13381	Join data provider with option 'make use of the data server' was executed on the Designer itself during data provider edit instead of sending the request to the data server.
PADS4 Update Wizard	13479	Download Progress showed the text PADS4 Domains during software update.
PADS4 Scheduler PADS4 Agent PADS4 Messenger	13732	Creation of Viewer group circular reference using System Management could result in applications to stop working after logon and eventually run out of memory

New Features

May 8th 2018 (build version 4.9.6702)

Item	Description
PADS4 HTML5 Viewer	Support for Samsung SSP5 (Tizen 3) H and J series Please read the ssp5 document for minimum firmware requirement 2030.4
	Support for Philips D-Line display
PADS4 Desktop Viewer	Message title column of Desktop Viewer Message window will use text wrapping if the text does not fit
PADS4 Viewer	New text interlinespacing option for fonts which allows to define the space between lines of text vertically. This option is currently only available for Windows Viewers. This option will be included in the next release for HTML5 Viewers

Product Adjustments

May 8th 2018 (build version 4.9.6702)

Item	Incident	Description
PADS4 HTML5 Viewer	13046	Tizen/SSSP4 with new firmware version 2030 caused the video to stop working
	12944	Video on SSSP3 in combination with transition effect stopped playing after the effect was finished
	13026	Scrolling text with separator where the element height is larger as the separator image did not center the text correctly
PADS4 Viewer	13077	Separator inside table element did not increase the row number for elements inside the separator
	12537	Powerpoint showed frame one of the ppt presentation at the end of the cyclus when autorepeat was not used
	12764	Element rule with 'other column' performed a check on a different row
PADS4 Sub Server	13018	Transactions were lost due to network instability. As a result the database was synchronized between sub server and server which also could fail and sync was started again until the download was successful.
PADS4 Designer	12727	When specifying a page duration of 1 minute, PADS4 added 1 second extra to the total
	13228	Invue expression column is not displayed in dropdown list for selection of data provider in the page elements

New Features

April 10th 2018 (build version 4.9.6674)

Item	Description
PADS4 Agent	System info now contains Serial number and Model number from Samsung/LG devices
PADS4 data provider	Added operation "not contains" for data provider filter option This option does the opposite of the "contains"
PADS4 Twitter data provider	Expanded the retrieval of text with a length > 140 characters

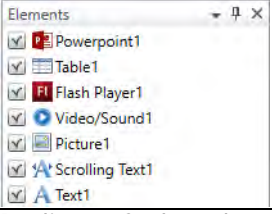
Product Adjustments

April 10th 2018 (build version 4.9.6674)

Item	Incident	Description
PADS4 Viewer	12158	Video only played once in situations where there is only one page, and one video in the playlist with option "play using page alternate interval"
	12423	Separator rule was missing the option to compare 2 rows. This can identify a date change between two rows and show a separator when this happens
	12037	Video connected to data provider and video element without option play entire playlist off, only picked up the new video after the video was completed.
	12640 12617	Rule with other data used original data provider
	12724	Rule comparison with <empty/null> database field failed
PADS4 HTML5 Viewer	12411	Image from file where the url contains uppercase characters failed due to the fact that the url was lower cased and in some situations this resulted in a file not found on Samsung and LG.
PADS4 Designer	12528	Web element memory leak detected in combination with flash video on a website.
	12599	Presentation In Page showed wrong page in combination with "calculate time of page based on scheduled time"
PADS4 Desktop Viewer	12424 12425	Popup message did not wait for the right time on which it should occur
PADS4 Scheduler	12464	Creation of advanced schedule for more than one destination and changing the recurrence to "no enddate" resulted in the change to occur only for the last selected item
PADS4 Controller	11786	Synchronisation fails due to empty viewersettings (xml) file

New Features

February 28th 2018 (build version 4.9.6633)

Item	Description
PADS4 Server PADS4 Sub Server PADS4 HTML5 Viewer PADS4 Web Scheduler PADS4 Desktop Viewer	HTTPS implementation for PADS4 HTTPS is used for secure communication over a network Check out the installation help and system management help for more information and installation help.
PADS4 Agent	New alert which will inform the user that a HTTPS certificate will expire
PADS4 HTML5 Viewer	Viewer implementation for LG WebOS3.2 device
	Viewer Implementation for ProDVX appc-DSK series
PostgreSQL data provider	New data provider which is able to connect to PostgreSQL (Open source) database
PADS4 Viewer	RS 232 option for screen on/off When the option 'turn the screen off when no presentation is scheduled' is selected, it is possible to send out a RS 232 command to the screen in case the Windows power management does not work with the device attached.
Table element	Internal redesign of Table element which also solved some internal bugs which were related to very complex situations using more than 1 data provider where the number of rows was different between the data providers in combination with scrolling.
PADS4 Designer	<div style="display: flex; align-items: center;">  <div style="margin-left: 10px;"> Added elements window icon which identifies the type element </div> </div>
PADS4 Scheduler	Duplicate of selected presentations inside playlist schedule window function

Product Adjustments		
February 28 th 2018 (build version 4.9.6633)		
Item	Incident	Description
PADS4 HTML5 Viewer	12053	Page rule 'play all videos once and goto next page' did not result in a page change when the playlist was empty
	12165	Scrolling text element inside table element with option do not scroll when text fits, showed all rows
PADS4 Viewer	11377	Data provider change based on a rule caused the image element to scroll to the next data item using general page interval and the effect using the default duration. This caused the element to show the data 3 times with an effect.
	11394	Number of rows decreases in Table element during runtime. This happens when the element inside the table is connected to a data provider without data scrolling, and outside the table a second element is connected to the same data provider with scrolling enabled.
	11833	Text element connected to data provider using FTP file server with authentication failed to read the text content from the file
	11842	Images from Facebook data provider are not accepted. Default web request user agent info was missing.
	11873	Using property binding to change background color caused the element to show the previous color in stead of the default color when the data provider row was missing or contained invalid data.
	12036	Rule which is related to row 1, returned true, in case the data did not contain any data rows
	11940	Adjusting the value for Automatic closing settings menu when no interaction was detected was not saved
	12422	Text element inside footer of table element which was connected to a data provider could result in an error message "Cannot read property 'IsUsingDataProvider' of undefined"
PADS4 Designer	11960	Viewer Connections data provider caused an error in situations where the server connection was made to a remote server.
PADS4 Scheduler	11442	Visual bug when changing recurrence to 'No end date' for more than one destination. Only the first one showed the changed value but underneath the value was set for all items.
PADS4 Server	11930	Number of Synchronization threads where climbing which resulted in a application restart. This was related to a certain file that could not be synchronized.
PADS4 Domain Management	11299	PADS4 Viewer tried to start an update using the Domain Setup installer from the Server when using Agent update.
	#4845	Removal of domain failed

Product Adjustments		
December 18 th 2017 (build version 4.8.6561)		
Item	Incident	Description
PADS4 Viewer	9224	Audio video stream still played after page change performend by rule
	9530	Scrolling Text element play once next page in combination with dataprovider which row has not data, did not result in a page change
	10979	File move during synchronization was logged as create and delete
	10990	Data provider option Clear data did not clear the data from the screen in situations when the data server could not be reached
	11061	Chart element X-axis with datetime showed invalid value
	11091	Scroll data using interactive button in combination with Video element started the wrong item
	11092	Web element with Seenspire URL resulted in stackoverflow
	11116	Flash element did not play correct when user interaction was expected inside the Flash presentation shown
	11479	Picture element background color from image showed white screen due to backwards compatibility problem
PADS4 HTML5 Viewer	11221	Image element inside table element in combination with rule which starts blinking sometimes showed white background
	11222 11223	Image element inside table using other data scroll rule showed wrong image
	11253	Scrolling text inside table in combination with scrolling step size >1 and show directly after previous text showed invalid text.
	11637	Turn off screen when no presentation scheduled was disabled in some situations
PADS4 Designer	11078	Data provider wizard did not show the Google Calendar dynamic columns
	11090	Expression columns prior created where not shown in the list
	11095	Expression columns in combination with design cache resulted in a column already exists message
	11362	Designer not responding in situations where a presentation restore occurred and the presentations contained presentation in page elements
	11487	Memory leak occurred when start/stop Preview window
	11444	Web element load of URL caused a loop due to an internal error
PADS4 Sub Server	10996	Copy of large PADS4 database from main server could fail in situations when there was a slow connection and the timeout was reached
Data provider	10342	WSDL data provider extended with date and decimal converters
	11140	Soap data provider Action was set inside the header instead of the ActionHeader
	11466	Json feed bad request error returned from source because of content type
PADS4 Agent	9339	System Info: Display all available system video codecs
	9966	Server blackbox category memory usage showed dates which were not sorted

New Features

November 22nd 2017 (build version 4.8.6535)

Item	Description
PADS4 Viewer PADS4 HTML5 Viewer	Possibility to specify a pincode to open the Viewer settings window. Use PADS4 System Management to specify a pincode for all Viewers. When the user wants to open the Viewer settings window, a pincode entry dialog will be displayed.
PADS4 HTML5 Viewer PADS4 Desktop Viewer	New verification method (MD5 check) for content synchronization to verify the integrity of files during download.
PADS4 Viewer PADS4 HTML5 Viewer	Possibility to set a background image for the Viewer which is displayed in cases when there is no presentation scheduled. Use PADS4 Agent to change the Viewer settings for one ore more Viewers at the same time, or by using the Viewer options screen directly on the Viewer device.

Product Adjustments		
November 22 nd 2017 (build version 4.8.6535)		
Item	Incident	Description
Facebook Data Provider		Upgraded Facebook API to V2.10 which expires on July 2019
HTML5 Viewer	9782	Xml Playlist connected to an image element inside table element did not resolve the playlist and showed no images.
	11042	Duplicated page in PADS4 Designer that contains an Interactive Button caused the HTML5 Viewer to stop interacting after the first click. An identical ID caused this, which is stored at the background to identify the element.
	11101	Interactive button inside table element with command send web request did not add the row scroll index for table row 2 and higher.
	10890	Table element in combination with page property scroll once next page could fail and use the page duration.
	10096	Enabling blinking for a text element by using a rule did not start the element to blink after the rule was true.
	10890	Scrolling text element inside Table header/footer in situation where option data scrolling was disabled caused the scrolling text to stop scrolling.
	11045	Web element with https url was not allowed by android/chrome browser.
	11050	Image element connection to a url, which caused a 404 error, was not handled correctly, which resulted the presentation to stop on that page.
	11147	When Duplicating a page in the Designer containing an interactive button caused the button on the second page to malfunction at runtime. The click on the button was no longer executed.
	11080	Video with play once next page option stopped playing after a data provider update instead of finishing the current video.
	10892	Usage of apply data filter through an interactive button did not reset the filter after a page change occurred.
	10347	Table element sometimes flashed during data update.
	10889	Scrolling text element inside header/footer of table element did not behave the same way the Windows Viewer does. This has been adjusted.
	10966	Page with active Master Page in combination with effect could result in the Master Page being displayed separately.
	11247	Constraint error 'None' during synchronization update of existing file on Samsung device.
PADS4 Viewer	10891	Presentation in page element containing a presentation, which contains an audio fragment, still, played the audio when a rule disabled the presentation in page.
	10795	Interactive button action 'previous page' and the previous page contained skip when no data, showed an invisible page instead of skipping this page.
Zone Viewer	10873	Folder Content data provider inside Zone Viewer presentation used the default local folder in cases where a different domain was specified.
Data Vault	10972	Social media data provider using an authentication token could expire due to a server validity period.
	10940	Data Vault SQL CE data provider caused an error due to a missing table name.
PADS4 Sub Server	10996	In situations where the server has a large PADS4 database, the Sub Server has a slow connection and the timeout of 5 minutes is reached, this caused the Sub Server to restart the connection which resulted the Sub Server from not receiving any updates because of the loop.
PADS4 Designer	10883	SharePoint data provider did not accept ntlm
PADS4 System Management	10988	Using the Edit connections window the keep alive interval could be set to a value higher than connection timeout causing the Viewers to lose the connection. Keep alive must always be lower than connection timeout.

	10790	Click on Edit Viewer Variable in ribbonbar resulted in a error message.
PADS4 Agent	11024	Request for data providers from Data Server caused an error to occur when a .Net framework data provider was active.
	10805	'Start PADS4 Viewer in desktop mode' was not visible when PADS4 Agent was started on a Windows 7 device.

Product Adjustments		
October 17 th 2017 (build version 4.8.6499)		
Item	Incident	Description
PADS4 HTML5 Viewer	10983	Data provider updates were not applied on inactive pages in situations where the number of rows was different from the current. This caused the element to still show old data when no data was available or show no data when new data was available. (this does not apply to the table element)
	10993	On rare occasions, during a presentation change on Samsung SSP2/3 in combination with a load of a video for the current running presentation, it was possible that the video container was not removed properly.

New Features

September 27th 2017 (build version 4.8.6479)

Item	Description
Fonts	New feature to install fonts onto both Windows and Html5 Viewers from a central location using System Management. The installed fonts are made visible as system installed fonts inside the PADS4 Designer.
Data Vaults	Usage of secure and encrypted data providers within PADS4. Using PADS4 System Management the Data Vault providers can be created and assigned to a specific server. This simplifies the central management of data providers by an administrator. Users are able to select the Data Vault providers but cannot modify them. Besides that, the data will be available 24/7.
Video enhancement	Enhancement that increases the performance of the video element. There are however some limitations when using this option. In situations where the Viewer was (partly) positioned outside of the primary screen, this caused the performance to drop.
Yammer data provider	New data provider to read data from Microsoft Yammer which is a micro blogging web service for companies

Product Adjustments

September 27th 2017 (build version 4.8.6479)

Item	Incident	Description
PADS4 HTML5 Viewer	10648	Samsung SSP/Tizen shows 1970 when started without server connection
	10634	XML feed returns error 406 unacceptable error
	10571	LG WebOS showed black screen. Error message 'SignalR not responding, forcing reconnect'
	10193	Scroll in sync in combination with auto repeat only played once
	10265	Formatted text did not show the data from a data provider which was initiated by a rule in which this data provider was specified
	10683	Video stopped at the end when play entire playlist was disabled
	10593	Restart video from last position where the start row is 2 or higher starts from 1st row after first cycle
	10502	Masterpage disappeared after the first playlist cycle was completed in the situation where a presentation playlist of 2 presentations was started
	10354	Content permissions were ignored in cases where the viewer was added to a group and a member of the sub group. This resulted in download of all content.
	10787	In case of a network failure it could occur that unwanted content was synchronized in combinations with content permissions
	10000	Interactive button with action 'data scroll' did not perform a scroll index reset after a page change
	10375	Mac address column added for the export of viewer connections
PADS4 Agent	10685	Screen shot for Samsung SSP failed after datachange
	10682	Alert resulted in a null pointer error in the windows event message
	10332	Large gif files with a large amount of frames caused the PADS4 Designer to react slower
	10791	Join data provider with folder content provider uses default server instead of specified server path
	9915	Export presentation did not export the json dataprovider file in all situations
	10680	Preview window was not stretched by default

New Features

August 15th 2017 (build version 4.7.6436)

Item	Description
Formatted Text	Formatted text element can now handle columns from databases with type timespan
Texture Color	Using the color selection window, the option to use a texture as color from a filename has been improved to allow the user to select a filename from the PADS4 content library
Exchange data provider	Added an option to include message (body) tekst (incident 10018)

Product Adjustments

August 15th 2017 (build version 4.7.6436)

Item	Incident	Description
PADS4 Viewer	10187	Rotated image element which is connected to a data provider forgot
	9968	Playlist with missing videos could cause a white area to be shown
	9657	Interactive button web request click command was only performed once
	9455	Image in combination with uniform and effect moved the image to the wrong position during the effect
	9971	#Viewername# inside Zone viewer element was not replaced by the zoneviewer name
	9763	Scrolling data in combination with Table element caused rows to disappear
PADS4 HTML5 Viewer	10113	Table element in combination with scroll once next page where the amount of data was less than the amount of data that could fit onto 1 page caused the Viewer to wait for a scroll causing the page to hold
	9914	'tt' as format in formatted text element does not work to show AM / PM
	10161	Some HTML5 devices caused stop loading after reboot because of shortage of local space
	9713	Other data scroll using a rule did not work correct
Data provider	9842 10143	Json data provider caused a column name conflict when using the flatten option.
PADS4 Sub Server	9888	Reconnect to the Main Server after a network failure could cause the HTTP layer to malfunction which resulted in HTML5 Viewers losing the connection
PADS4 Data Server	10042	Filters in data provider caused the Data Server to separately start read processes instead of combining these into 1 call to the external source
	10097	Situations where an large amount of data providers (>50) where used in combination with >300 viewers and network instability, could cause a queue build up at the Data Server which resulted in abort errors during logon of the Viewer and data not send from the Data Server.
PADS4 Agent	10135	Shutdown and Reboot ribbon bar icons where disabled in Viewer overview
PADS4 Desktop Viewer	9908	Popup screen was not shown completely in some situations. Changed position to center screen

New Features	
July 3 rd 2017 (build version 4.7.6393)	
Item	Description
LG WebOS3	Screen Rotation performance increasement because rotation is performed at system level instead of software level. For current WebOS3 installations which are going to be upgraded and rotation is used and this option of 90 degrees is specified in the Viewer settings, please adjust this setting after upgrade, or specify the rotation in the system device menu
PADS4 HTML5 Viewer	Performance Improvements for images
	Hide popup menu option implemented. The user is no longer able to open the Viewer options screen when this option is turned on
	Wake On Lan (WOL) implemented. This allows the user to send a WOL command to the HTML5 Viewer using the PADS4 Agent. Please check the specifications of the manufacturer if WOL is implemented
	Viewer options window has been redesigned
	Local file storage improved for chrome(version >=13) and android(version >=4.4) devices.
	Block remote control option for Samsung and LG devices which will prevent usage of infrared controls to take control of the display
	Turn off display when nothing scheduled option which will turn off the display (not the device) when there is no presentation active to reduce power usage
Scrolling Text element	New option that starts scrolling only when the text does not fit
Web element	New functionality which allows you to clip a certain area out of the web page
Datetimeoffset type	Some data providers may result date time values as Datetimeoffset type. PADS4 is now able to work with this type
PADS4 Agent	Filter functionality added in the ribbon bar to filter viewer connections on name, description or IP address.
	Export visible information to excel
	Possibility to get a screenshot from Samsung Tizen
Offline Activation Portal	New Offline Activation Portal has been released which now runs on https https://activation.pads4.com

Product Adjustments		
July 3 rd 2017 (build version 4.7.6393)		
Item	Incident	Description
PADS4 Viewer	8062	Using table element in combination with group by option where the element had an animation showed the new value before the start of the animation
	8280	Formatted text element located on a master page did not perform the transition effect in sync with other elements for the first time. After all pages were shown once, the effect was displayed correctly
	8478	PowerPoint element scaled improperly on windows 10 due to user interaction
	9168	Image inside the table element it's background (detail page), and the user used an opacity level other than 0%, this opacity was not set
	9199	Text element with option 'Hide when no content' in combination with empty playlist did not resolve in hiding the element
	9361	Formatted text element inside table element with blink option resetted the row number back to row 1 for all items
	8864	Improper Scroll in sync behavior for text and image element when connected to a different element.
	8656	.bin files created in programdata/pads folder by the zone viewer element are not deleted when the zone viewer is removed or renamed using System Management.
	7942 9210	Improper calculation of Web element offset and scaling size when MS Windows screen resolution was set at a level other than 100%
	9531	Scrolling text element connected to a data provider which has only 1 row, but in the scrolling text element it is connected to row 2, the background of the element was not shown
	9521	Continuously pressing the interactive button causes the presentation to stop responding for some time
	9649	Presentation in Page with play once next page option inside Presentation in Page causes the Viewer to wait for the end of the cycle. But because a Presentation In page inside a Presentation in Page is not allowed this will now happen and causing the page to stay on the current one displayed
	9281	Date time for formatted text element caused it to display wrong format with different culture when this culture was not installed on the pc. Now a message is generated in the log which notifies the absence of the culture
	9776	Missing data provider in combination with scroll once next page option caused the Viewer to hold the current page. Adjusted for: Video, PDF, Flash, Web, PowerPoint
	9553	Scrolling text element which has a rule and changed the data provider, switched back to the first row after the refresh interval even when there was no change in data
	9831	Interactive button inside table element did not increase the row number for the image displayed
	9814	Microsoft Exchange data provider generated an error message when there was no data available
	7301	Usage of the zone viewer element in combination with more than one page and proof of play enabled caused the proof of play info to appear double inside the database after a page change
	8376	Table element does not scroll to the end when different scrolling rows are used inside the same row. For instance when an element scrolls with 5 rows, the second one with 10 and the third with 15. In this case the calculation was wrong
	9849	Json data provider accept header added which helps determining which content type is returned. Some Json feeds returned xml content instead of Json
	9701	Interactive button always took the content from row 1 when sending a web request using a data provider
	10009	Scrolling text element using all rows in combination with a rule that is based on a missing data provider caused a memory leak which resulted in an abort of the application

	10010	Viewer Reboot was not forced which resulted in a question if you would like to save work. To prevent this question we changed the reboot to forced mode
PADS4 HTML5 Viewer	8508	Group by inside Table element using a formatted text element performed a comparison based on the database value instead of the formatted value displayed
	7632	Viewer rename when Viewer was offline did not delete the old name from the database after the Viewer got back online.
	9380	Using even/odd color inside table element with a gradient color showed a solid color instead
	8890	Flash element did not work properly with a multiline playlist
	8884	Web element with option 'hide when no content' did not hide the element when the data provider was not available in the presentation (deleted)
	8881	Video element using auto size did not work correct on all devices
	8874	Text element rule with current row equals to a constant 1 comparison did not become valid
	8497	Text element rule based on current time comparison did not become valid when the time was hit
	9419	Presentation playlist which contains more than 1 presentation with different sizes was not scaled properly
	7578	Text element with rotated content inside Table element was not positioned at the right location
	9200	Rich text element with option 'hide when no content' did not hide the element when the data provider was not available in the presentation (deleted)
	9311	Image load problem on LG WebOS2 solved
	9515	Table element with option 'scroll once next page' in combination with skip row 1 from scrolling did not go to the next page
	8395	Scrolling text element on page X caused the scrolling element on page X+1 to hide after one scroll cycle and did not wait for the page duration.
	8903	Default page was not displayed when rule made all other pages invisible
	8456	Video element with option 'hide when no content' did not hide the element when the data provider was not available in the presentation (deleted)
	8877	Image element scroll invalid behavior using different scroll steps for images on the same page
	9050	Formatted text element rule based on year comparison did not work properly
	9053	Play once next page in combination with more elements that have this option set did not perform properly
	9589	Text wrapping option used character wrapping instead of word wrapping for text element
	9534 9528 9527 9523	Text element with option 'play once next page' connected to a data provider which is not available (deleted) waited for the page duration timeout before showing the next page
	9540	The HTML5 Viewer did not retrieve Xml file data update. Only after a restart the data was updated
	9723	Arabic culture settings on the Viewer caused the Agent to show an error during retrieval of the log files. This was because of the (Arabic) time format which could not be converted to a date time value
	9804	Web element url which redirects to a different page was performed. Now we block the redirect
	9213	Sorting on date time column which contains empty date fields where sorted to appear at the bottom instead of at the top of the list
	9283	Numeric format is not correct for formatted text for #.# and 0.0
	9342	Samsung Tizen in portrait mode did not show the stretched video correct
	8641	Interactive button on a master page was not triggered when pressed
	9780	Table element background disappears after first data scroll
	9522	Video rotation in combination with uniform size option did not work properly on Google Chrome

		8465	LG 22" WebOS device (firmware 3.71.85) did not scale properly for a video with maintain aspect ratio and manual size
PADS4 Server	Sub	9888	Sub Server could cause a deadlock situation which resulted in malfunction of the Sub Server where the PADS4 application no longer were able to logon to the Sub Server. This was detected in a situation where 200+ viewers were running on a virtual server where there were network drops resulting in reconnects which should reconnect before the drop was detected by the Sub Server.
PADS4 Designer		8113	Added checks for numeric fields to prevent users from entering non numeric characters
		9351	Find Next option inside file open browser did not highlight the next item
		9260	Select all pages and press delete inside presentation properties did not show a message that there should be at least 1 page in the presentation
		9360	Delete of data provider from within the edit Table element window was not performed for the main presentation
		8992	Viewer variable was not resolved properly when added to a directory path of a data provider inside the wizard
		9366	Items which were made invisible in the designer using the elements tab in the Designer should not be selected during selection of elements using the mouse
		9368	Authentication window for google and YouTube data provider has been adjusted. We close this window automatically after the authentication has been approved
		9517	Adjust width/height in the Designer ribbon bar causes the application to stop responding when there are 1 or more elements that should be outside the page after the resize
		9456	Color picker from ribbon inside table element did not show colors
		8671	Changes made in grid settings using the Designer options were not made visible directly after closing the settings window
		9640	Web element did not use the Proxy setting during preview. This was due to an error which only happened on a 64bit machine
		8469	When a chart was inserted in a table element, the dataserie option was disabled which prevented the user from adding dataseries to the chart
PADS4 Scheduler		9163	Recurrence window is opened again after the wizard is closed. This could happen if before the edit, multiple copy/paste actions have been performed.
PADS4 Agent		9317	Added functionality to select multiple blackbox items and delete these
		9385	Multi edit settings task for Viewers also performed a read task for all Desktop Viewers
		8375	Data provider showed unfiltered data instead of filtered data when a filter had been applied

Product Adjustments		
May 17 th 2017 (build version 4.7.6346)		
Item	Incident	Description
PADS4 Controller	9658	It was possible that the PADS4 Viewer was continuously restarting the PADS4 Controller on machine with low end specs, that were also running a heavy presentation.
PADS4 Agent	9723	The viewer log of PADS4 HTML5 Viewer could not be retrieved when the culture was set to Arabic and it also used Arabic numbers in the date time format.

Product Adjustments		
May 5 th 2017 (build version 4.7.6334)		
Item	Incident	Description
PADS4 Viewer	9605	Since previous release, presentations played in the presentation in page element, that used the play or scroll once go to next page option in elements or on page level, blocked the presentation from playing in the presentation in page element.

New Features	
May 1 st 2017 (build version 4.7.6330)	
Item	Description
Windows 10 Creators Update	PADS4 has been successfully tested with Windows 10 Creators Update version of Microsoft Windows. We do not expect additional issues in relation with the update to the Creators version.
Facebook data provider	Updated Facebook API to 2.9. End of life for this version is October 2019
PADS4FIDS	Added user rights for admin and operator mode
	PADS4FIDS Data provider has been optimized
Video	Added MV4 video extension

Product Adjustments		
May 1 st 2017 (build version 4.7.6330)		
Item	Incident	Description
PADS4 HTML5 Viewer	9376	Filtering data using an Interactive button used the already filtered data the second time
	8824 8875	Sort of data provider only worked in combination with filter
PADS4 Viewer	9399	Scrolling data provider in combination with page rule scroll once next page caused the presentation to skip the page change
	9341	PDF element Temp files created were not deleted when PADS4 Agent performed a scheduled restart task causing the temp folder to increase in size
	9449	PDF element with scroll once next play options enabled in combinations with playlist only showed the first item and skipped the other items from the playlist
	9093 9423	External Application element in combination with data provider caused the element to start the process twice
	9525	Play all videos once in combination with no content and no visible pages could cause the viewer to stop the application due to a stack overflow
PADS4 Designer	9396	Edit of Video element properties with stretching mode, caused the stretch mode to reset back to uniform

Product Adjustments		
April 14 th 2017 (build version 4.7.6313)		
Item	Incident	Description
PADS4 Viewer	9402	<p>Scheduled reboot in the Viewer settings showed a black screen instead of rebooting at the 14th of April. This version will solve the restart problem.</p> <p>This happened on several windows versions (7/8/10) and multiple PADS4 versions. Currently this item is under investigation by development. We suspect that it might have to do with a combination with third parties such as Windows Defender or Windows updates.</p>

Product Adjustments		
April 11 th 2017 (build version 4.7.6310)		
Item	Incident	Description
PADS4 Desktop Viewer	9295	Changes to the text-based settings in the Windows registry. Value types are changed from REG_SZ to REG_EXPAND_SZ for storage of strings.

Product Adjustments		
March 31 th 2017 (build version 4.7.6299)		
Item	Incident	Description
Facebook data provider	9215	Facebook authentication failed due to changed logon procedure
PADS4 Viewer	9220	Presentation in page with data provider inside presentation X which contained 2 or more pages, did not show the presentation in page element after the first presentation cycle of X.

New Features	
March 29 th 2017 (build version 4.7.6297)	
Item	Description
PADS4 Setup Certificate	PADS4 is secured with a certificate that will cause MS Windows & most of the anti-virus software to accept PADS4 software. Code signing is the process of digitally signing executables and scripts to confirm the software author and guarantee that the code has not been altered or corrupted since it was signed by use of a cryptographic hash.
PADS4 HTML5 Viewer	Samsung Tizen (SSP4) released
	General performance improvement for effects on devices, which have support for GPU acceleration.
PADS4 HTML5 Viewer PADS4 Windows Viewer	Blackbox has been extended with viewer settings. This allows the Agent user to see Viewer settings when a blackbox is opened.
PADS4 Agent	Logging of retrieval of data from proof of play and audit logs by the user
Prayer times data provider	Data provider which calculates prayer times for a specified location and additional settings.
PADS4 SDK	Uploaded a new sdk reference manual. Examples for Agent have been adjusted. A new reference to newtonsoft.json.dll is required with PADS4 version 4.7

Product Adjustments		
March 29 th 2017 (build version 4.7.6297)		
Item	Incident	Description
PADS4 HTML5 Viewer	8658	Schedules on the Viewer were not updated when scheduled directly after the current one
	8368	Scroll effects did not work properly on LG WebOS3 device
	7217	Scroll data once and show next page in combination with only one page does not restart the page after it has ended
	7166	Interactive button which filtered data, which was shown in a data table element caused the table the 2 nd time to malfunction when there was a shape connected inside the data table row
	8429	Synchronization after a 'not enough disk space' was stopped on LG WebOS.
	9104	Saving proof of play information on PADS4 server failed. A new version of the OData webapi in the PADS4 version of 6 th of February caused this problem to occur.
		Samsung Lynk DRM live stream support added for SSP2/SSP3
PADS4 Viewer	8314	Video with play once next page option is not removed from the screen after completion when there is more than 1 video active and it has to wait for the second
	8799	Image effect where the image sized are different can cause the image to move the position just before the effect takes place
	8461	2 Excel data providers in combination with skip x rows and a rule which switches between data provider caused the element to use the wrong skip x value
	7459	Presentation in page playlist causes a blink between two pips. This has been improved.
	9060	Using 2 Interactive buttons which show a different page, it was possible to click on both buttons before the page change occurred
	8905	Separator inside presentation in page playlist could cause the playlist to stop playing the next item
	8464	Rules which causes all pages to become invisible at one moment, and afterwards a page becomes visible again, may show the old page instead of the new one.
	7104	Text element log statistics where not stored in combination with rules
	8642	Interactive button and page effect could that a second click on the button was performed during the page change effect causing the page change to stop
PADS4 Designer	8899	Export PADS4 show could export text from a text element as filename
	8324	Using ribbon bar find->elements function and using the right mouse button above this element does not show the popup menu
	8438	Import PADS4 show "skip all" when duplicates are detected skips also items that are not available
PADS4 System Management	5951	Optimization that a Server disconnect/reconnect is handled better and not causing error messages for each open tab window.
	8385	OK button stays disabled when renaming viewer name for a destination

Product Adjustments		
February 13 th 2017 (build version 4.7.6253)		
Item	Incident	Description
Language		Added resources for French and Farsi.
PADS4 Viewer	8513	Content changes by a rule in the text element were not applied.
PADS4 HTML5 Viewer	8621	There was a possibility when a website was loaded for the second time, it did not display, due to a caching problem in de viewer.

New Features

February 6th 2017 (build version 4.7.6246)

Item	Description
Rebranding	PADS4 is rebranded with a modern look and new website!
Viewer Variables	Will allow the user to add viewer specific variables that can be used in presentations and will be validated at runtime. This will allow the user to create one presentation, that could have different visualizations based on these variables for each Viewer. One example is for instance to specify the opening hours of a shop which may be different for each shop. Check out the Designer documentation for more info
PADS4FIDS	Integrated FIDS solution in PADS4. Flight Information Display System to guide airport passengers daily with up to date information (www.fids.com)
PADS4FIDS data provider	Data provider which connects to the PADS4FIDS Server for retrieval of flight information such as arrivals and departures
HTML5 Viewer	Support for LG webOS3
Invue data provider	Invue data provider which is able to get information from locked-cabinet merchandise (www.invue.com) hardware
Http Data providers	Text/Json/MRss/Rss/XML added User-Agent identification option

Product Adjustments

February 6th 2017 (build version 4.7.6246)

Item	Incident	Description
HTML5 Viewer	7286	Picture playlist and change from hidden to visible was not performed causing the picture element to stay invisible
	7213	Hold scroll position after page change was not performed
	7217	Scroll data once and show next page in combination with only one page does not restart the page after it has ended
	7141	Samsung SSP displayed the wrong date format
	8150	Instagram reply was inconsistent. Has been improved
	8380	LG webOS2 portrait mode disfunctioned
PADS4 Viewer	7553	Chart element inside a presentation in playlist could cause the chart element to use the data from the first data provider when this data provider used the same data provider but was edited.
	7183	Viewer name change using viewer settings with special characters does not work
	#3202	Expression column (date) current_day_of_the_year is stored in string format instead of integer
	7943	Disable UAC option in Viewer settings changed the registry value for LUA even when not enabled.
Data provider	#3372	Web request data provider adjustment for TLS1 and TLS2 security
System Management	7071	Waiting for license to be activated text adjusted for HTML5 Viewer

New Features

January 5th 2017 (build version 4.6.6214)

Item	Description
HTML5 Viewer	Samsung Streaming Support for HTTP, HLS, RTP, RTP multicast and Lynk DRM protocol. More information can be found here
	Samsung Seamless play of videos (landscape mode only). Not all video formats are supported by Samsung. When a video does not support seamless play, a warning is generated in the log and the video is played in non-seamless mode.
	Samsung video landscape and portrait mode
Proof of Play	Redesign of Proof of Play functionality to improve the retrieval of large amounts of data from the server. Possibility to use a web api to retrieve the data.

Product Adjustments

January 5th 2017 (build version 4.6.6214)

Item	Incident	Description
HTML5 Viewer	7243	Memory leak in Web Element causing the device to become slow and eventually stop working.
	7250	When an image file has a size of 0 bytes, this causes a range error to occur.
	7219	Scrolling Text Element inside Table Element shows different row content after first cycle
	7283	Samsung QuotaExceededError error occurs unpredictable during synchronization which stopped the synchronization process.
	7622	Video Element. When a video was not found in a playlist, the element did not automatically skip this, and use the next one.
	7591	When no visible page, hide the last page and log a message 'no visible page'
	7639	Synchronization optimization which will use less memory resources under chrome related devices.
	7270	Scrolling Text element option scroll direction 'None' was not implemented.
PADS4 Designer	7423	Presentation In Page Element redesign which will not load data from Data Providers during design time which will increase load time of pages.
	7381	Import/Export of presentations redesign to allow the import/export of files located outside the content library. This will pop up a warning.
	6731	Sometimes the selection rectangle did not show the blue (resize) bulbs around the element when the element was selected on a page. This had to do with the size of the element and a bug in the Microsoft Framework.

Product Adjustments		
November 30 th 2016 (build version 4.6.6178)		
Item	Incident	Description
Viewer	7265 7392 7372	In situations where the Backup Server needed to take over the server role from the Main Server, the presentation it's Data Server connections where not redirected to the Backup Server. This had to do with the fact that the Viewer did not detect a change in schedules and for that did not restart the Data Server connection.
Server	7409	Last connected timestamp of Agent could show an invalid/outdated date/time stamp due to a timeout of the Server in situations where the Server is too busy.
Viewer	7375	Option 'turn off monitor when no presentation scheduled' could cause the viewer PC to close the network connection due to energy saving options. This has been adjusted in the registry for property cs enabled.
Viewer	7350	Data Table element did not scroll. The cause was a presentation which contained 1 or more data providers that had only columns assigned without a data provider name. This resulted in malfunction of the scroll process.

New Features

November 15th 2016 (build version 4.6.6163)

Item	Description
PADS Agent	Added support for sorting on table views.
	Added IP-Address column in Viewer Connections which allows you to see the IP-Address in use by a certain viewer.
	Added display status in the System Info which allows you to see the display status (on/off) of the display. Usage of this property is limited. Check the Agent Manual for more information.
	Added support in the Messages Log area to copy an item to the clipboard. This is also available for the viewer options window.
PADS System Management	Added support for filtering destinations based on type or substring value. Added support to reactivate one or more destinations. Added support to delete more than one destination at the same time using multi-select.
	Added support for sorting table views in destinations, users, user groups, permissions, priorities, content categories and servers window.
PADS Designer	Added support to start the PADS 3.1 Import wizard from the PADS Designer menu.
PADS HTML5 Viewer	New Samsung video API implemented which is more robust than the current used html video. This video element is also able to run Lynk-DRM streams. Limitation: The video will always be placed on the foreground due to the limitations of the Samsung Video API.
	Added support to reload an image when the content library is updated with a new image.
	Image exif information is now used to verify the orientation stored inside the exif info. If the exif info contains a rotation, PADS will use this rotation by default and add additional rotations set in the Designer.
Viewer	Image exif information is now used to verify the orientation stored inside the exif info. If the exif info contains a rotation, PADS will use this rotation by default and add additional rotations set in the Designer.
Table Element	Added "Group By" option which allows you to group the table items shown on a specific column which contains the group identification. The Table element will show the data per group only.


Product Adjustments		
November 15 th 2016 (build version 4.6.6163)		
Item	Incident	Description
Scheduler	6954	Edit Recurrent schedule which has no end date resulted in an error message.
Server	7056	Removal process which runs at night which detects a viewer group change such as a new viewer added to this group forces the relation between viewer group and viewer to be removed. This resulted in the viewer to be removed from the group and not see any schedules which were scheduled to this group. To restore this, please use System Management to remove this viewer from the group and add it again to this group.
Viewer	6514	Not able to specify a negative start position of the viewer window.
	6578	Table element split table option in combination with scroll step sometimes did not properly show the items at the splitted (right) part.
	6724	Scroll text concatenate function did not replace the form feed command.
	5773	Added support for transparency in reflection option for elements.
	7244	Image Element scroll in sync with causes the Page to load scroll indexes after a page change even when "Holds scroll positions" is disabled.
Data Provider	6253	Updated Facebook API to 2.8. End of life for this version is April 18th 2019
HTML Viewer	6961	Playlist of presentations stopped after the last page of presentation 1.
	6575	Synchronize presentation based on page duration in combination with page rules (visibility property) failed. The time calculated was based on the default pages that where visible.
		Playlist separator was ignored inside video element.
	7131	Data provider information was not cached on LG webos2.
	6570	Table element hide when there is no data did not work properly on Samsung.
	7247	Video located on master page was not started.
System Management	6773	Auto assign html viewers to a group did not function properly.
Agent	6739	Network Connection Alert was not fired when the item is a Viewer group.
	7092 6953 6374	Excel export of proof of play data did not properly export Boolean values to the excel values for MonitorStatusOn and PlayCompletion. Export also did not use row 1 for the metadata sheet which could result in a corrupt file.
Designer	6504 7013	Export/Import Show function exported all content when a filter was added on a data provider. Importing into a different folder than the original failed when the source folder was not available.
	6696	If a data provider has a filter, and inside a rule the row count is used, it will use the unfiltered value instead of the filtered row count.
	4625	Facebook wizard did not select the album name during the edit. Be aware that PADS selects the first album found, because Facebook does not use ID's and allows double names in albums.
	6691	Deadlock could occur in combination with the creation of thumbnails during page design. This also could result in higher Designer performance usage during design. Closing/Opening the Designer solved this.
	7085	Join data provider using data server did not use the data server in all combinations.
	6568	Twitter feed using data server which have the same structure are not combined to 1 data get at the data server.

	6501	SQL Server data provider did not resolve the #viewer name# inside parameter of stored procedure on data server.
Data Server	7204	Data providers from Viewers which have the same structure where not properly combined to 1 Data Server item in situations where extended parameters where used (Newmarket Delphi, Exchange). Also in situations where a filter which contained more than one comparison the combine was not performed correctly.
Sub Server	7110	Connecting a new HTML5 viewer on a sub server failed. Sub server tried to add this viewer itself instead of forwarding this call to the main server.
	7069	Rename of viewer which is connected to a sub server results in the addition of a new viewer instead of a rename action.

Product Adjustments		
October 12 th 2016 (build version 4.6.6129)		
Item	Incident	Description
PADS4	6355	The content library will be resolved correctly when the server is local and the connection mode of applications in on automatic.
PADS4 Designer	6333	Design time the formatted text element was not shown on a page refresh when connected to a data provider.
	5869	When a settings file was specified on the start of the Designer, this file wasn't passed through to the Content Organizer when started from the Designer.
	5538	Presentation in page element did not save the stretch setting correctly when the older presentation.
	5192	The custom numeric format in the formatted text element accepted an empty string. This should not be possible.

New Features

September 12th 2016 (build version 4.6.6099)

Item	Description
PADS Agent	Audit Trail logging. New feature which will log all user actions. Using the Agent this information can be investigated or exported. By default this option is turned off. Check System Management, edit Server settings to enable this feature.
	Proof of Play Export function to Excel. The data is stored into an Excel sheet. Export to sdf (SQL compact CE database) has been removed.
	Shutdown and Restart Tasks implemented for HTML5 Viewer.
PADS4 Viewer Connections Data Provider	 <p>New Data Provider which allows you to get information about the connection state of the (HTML5) Viewers in your PADS4 environment. This info can be used for instance to show a geographical view with red/green shapes on top of this view based on the connection state.</p>
System Management	Added LDAP access permissions to limit the user to only use certain Active Directory groups inside PADS Messenger/Scheduler.
	Server option to show/hide the Active Directory treeview inside PADS Messenger/Scheduler. Default is hidden.
HTML5 Viewer	Content Synchronization redesigned to deal with special characters or language specific characters in filenames and folder structures to prevent problems on certain devices which are sometimes not able to deal with these characters. LG WebOS: Minimal requirement firmware version 03.70.80!
	Restart HTML5 Viewer device option. Allows to perform a (nightly) restart every day to free up device resources.
Scheduler/Messenger	Added tooltip information to the Active Directory treeview for the user which shows the username. (The Displayname is used for the treeview)
Farsi Language	New Farsi language available.
PADS Designer	Added overwrite all option for import pads show wizard.

Product Adjustments		
September 12 th 2016 (build version 4.6.6099)		
Item	Incident	Description
HTML5 Viewer	5196	Video Element positioning, clipping and alignment adjustments made.
	5198	Video Element play once did not remove the last video frame when finished.
	5948	Page rule based on a Data Provider which was no longer available could cause the Viewer to stop working. There was an error message "Error during check of content" created.
	5038	Table Element header/footer auto shrink could cause some rows not being displayed.
	5176	Table Element default effect was not performed.
	5334	Table Element playlist elements inside header/footer did not scroll.
	5513	Line Element did perform the effect twice.
	5261	Formatted Text Element with Long Date showed a, in Russian format.
	5243	Interactive Button Element previous page, showed the previous page when this one is invisible (should skip this one).
	5255	Interactive Button Element shadow was not drawn.
	5319	Scrolling Text Element using more than one playlist item could cause the item to popup in a wrong position
	5816	Clear data option after x seconds for Data Providers did not clear the data after the interval.
	5147	Image did not properly rotate and flipped the image in combination with aspect ratio.
	5173	SharePoint Data Provider did not return data.
	5791	Old Data Provider content was not cleared in the data cache when a new presentation was scheduled.
	4940	Combination of rules and date type data failed causing the rule to be false.
	5077	Formatted text element Stopwatch function showed 12:00:00 AM at start when the culture is English(US)
	5778	Panasonic device was not able to update the PADS4 HTML5 software to the newest version.
	5996	Video url link from Data Provider did not check the content type (file or file from content library).
	6053	Presentation rules with date in between option were not evaluated properly.
	6119	Switch rows and columns option in Data Provider was not performed on HTML5 Viewer.
	5790	Data table separator was not shown in some situations (rules)
	5391	Web element website filter blocked Url which should be displayed.
	6042	Video was not flipped on Google Chrome browser.
	5231	Formatted text element shows system default culture instead of English.
	6277	Loading Video on Samsung SSP could fail in the situation where more than one video was loaded at the same time. Device cannot load/init more than one video at the same time.
PADS Viewer	5223	For WSDL Data Provider Added config settings to prevent 'not allowed' situations which could result in a null pointer message.
	5779	When the Server Content Library location is a network location or network share it was possible that changes made during a network failure were not detected by PADS4 after the connection was reestablished.
	5378	Rich Text Font Size selection malfunctioned in some situations.
	5227 5228	Video Element Rule is only performed on first element for current data <> old data.
	5939	Text Element Scrolling in combination with blinking and effect caused to show elements what where no longer available.

	4736	When a rule changes the Data Provider for an playlist element, and play once next page is used this action is not performed when the playlist is at the end.
	5368	When Text Element file is not found (playlist), not found message was not stored.
	6038	Formatted text default duration for effect was ignored.
	5966 5985	Missing file for Text Element and PDF Element was not logged.
	5070	Total number of pages option in Formatted Text Element did not return the right value when location inside the Master Page.
	5620	_nohtml column for result XML/RSS Data Provider did not remove the <p> (<p>)
	5088	GIF Image effect showed a wrong frame during animation between two gif files.
	5229	Import PADS Show wizard added skip all function for existing files.
	5770	Interactive Button with set filter and change page functionality only set the filter for the first time. The second time that page was displayed the old filter was used with the old value from the database.
	6283	#viewer name# inside Data Provider expression string was not evaluated for static table.
	5203	Video adjustment to prevent clipping duration which exceed the total duration.
	5077	Formatted text element Stopwatch function showed 12:00:00 AM at start when the culture is English(US)
	5277	Positioning at the right and bottom had a 5 pixels difference compared to the text element.
	6297	Usage of #viewer name# in Join Data Provider was not evaluated in all situations.
	5802	Scrolling text showed the separator between items more than once.
	6163	Presentation in Page with Interactive button (show different page) on master page only worked once. The second time pressing the button nothing happened.
	4962	Image element with shadow and reflection enabled shows the reflection position is incorrect calculated.
	5280	Rich Text element auto size incorrect calculated.
	5275	Rich Text element alignment incorrect calculated position.
Data Provider	5812	Updated Facebook API to 2.7. End of life for this version is October 5 th , 2018
PADS Designer	5294	After the master page is shown and Presentation Properties is opened and some pages are deleted, the master page became the first page.
	5286- 5293	Adjustments made for the Rich Text editor for font size, text styles, inline editing, playlists and data scrolling.
	5950	Export PADS show did not add a SQL CE file to the export list.
	6066	Opening PADS 3.1 presentation where a Table Element is location could cause the import to fail.
	5982	YouTube Data Provider authentication failed in wizard due to changed model (YouTube).
	5547	Footer section of Data table element did not update when the source was different from the Row section content. Only during an update of the Row sections the footer was updated.
	6010	Added checks to only allow unique Data Provider names.
	5256	When pressing F1 (help), Chrome always showed the first page of the help.
	5289	Rich text playlist properties Add text from file could show on top another line of text.
	5458	PDF Element playlist properties window, when selecting a new file with less pages checking maximum number of pages was not performed.
	6310	If during the export of a PADS show, the content contained 2 the same filenames which were saved in different folders, only the first was restored during import.

PADS Agent	5307	Viewer connections Restart Viewer button in the Ribbon is not updated after a Viewer disconnect.
DVD Addon	5543	Border corner radius was not drawn.
PADS System Management	5603	Removal of last admin account was possible.
	6003	Edit destination, resets specified optional password.
	6152	Edit Sub Server, password resets after edit.
Zone Viewer	5521	Background color change due to a rule was not performed.

Important: PADS4 release 5/6 Office support note

Please note that your Microsoft Office drivers may have to be updated to 64-bit after updating to PADS4 Release 5 on 64-bit systems. Until PADS4 release 4, the 32bit drivers were used. When the new release is installed on a 64-bit system, the 64-bit drivers of Microsoft need to be installed. Microsoft does not allow to use 32-bit drivers in a 64-bit application.

When there is already a 32-bit Office installation active, please install the drivers with the argument from the command line: C:> AccessDatabaseEngine_x64.exe /passive

Installation of the drivers in the normal way will result in an error message reporting that installing the 64-bit drivers on a system where the 32-bit is already active is not allowed.

June 22nd 2016 (build version 4.6.6017)

Product Adjustments	
Item	Description
PADS Applications	Changing the synchronization mode in the PADS applications caused the application running to crash.

June 13th 2016 (build version 4.6.6008)

New Features	
Item	Description
PADS Designer	<p>Import / Export wizard for presentations.</p> <p>New feature which allows the user to export a PADS presentation including content into one zipped (.padsz) presentation. If you want to send a presentation demo to another user, this feature will find out which content is used by this presentation. Even files and folders that are related to Data Providers will be included.</p> <p>On the other side import the presentation and the content will automatically be stored in the right folders. Optionally you may enter a different location where the presentation content must be stored. All internal links will be adjusted to the new location</p>
Microsoft Sharepoint Data Provider	Data Provider which allows the user to make a connection to Microsoft SharePoint
HTML5 Viewer	Optimisation for network traffic which reduces the amount of data send between server and HTML5 Viewer for both schedules and Data Provider. Especially in cases where there are a lot of network failures
	Scrolling Text Element redesigned which improves speed, stuttering and refresh of data in case of Data Provider connection
	Uniform to Fill option for Image Element which allows the user to fill out an image with aspect ratio set, but keep the container filled (oversized)
	Automatic name will be generated the first time the Viewer is started. This allows the user to specify the URL, the Viewer is started and the name can be changed later by using the PADS Agent. The name is displayed in the background image (left,bottom)
PADS Viewer	<p>Uniform to Fill option for Image Element which allows the user to fill out an image with aspect ratio set, but keep the container filled (oversized)</p> <p>The option Maintain Aspect Ratio is renamed to Uniform</p> <p>Added new functionality for synchronization and usage of network shares</p>
Desktop Viewer	Changed the settings storage from xml file to registry. Besides that, the settings structure has been optimized for usage with Microsoft Group Policies. The installation manual described the way to use this functionality
New Market Delphi Data Provider	Added additional filter options
PADS Agent	HTML5 Viewer display of IP Address in Agent
	Retrieval of screenshot from IArea display

Product Adjustments	
Item	Description
PADS Viewer	Formatted text Element rule which changes the Data Provider connection stopped the data scrolling when active
	RTF and Image Element rule which changes the Data Provider connection in combination with scroll once and show next page option stopped the data scrolling when active
	Turn off screen failed when
	Changing synchronisation option from automatic to never in PADS Viewer settings window could cause the periods to become active
	Office 64/32 bit problem solved. When office 2013/32bit was installed, installing 2010/64bit caused PADS to still use the 2013/32bit version
	Active presentation could be removed when a second schedule splitted the first schedule into two parts where the first part was no longer valid. This caused the whole schedule to be removed
	Autosize video did not work in some situations
	Rule which changes the background color of a Table Element row failed
	Text Element and Scrolling Text Element added functionality for reading text from uri
	Shape Element inside Table element with property binding used the wrong row number
	Video Element separator ignored the duration and was always using 10 seconds
	TV Element. In some situations the timeout was not thrown which stopped changing channels
	Improvements are made for interactive presentations with touch input. Touch input in external elements like web element or external application, wasn't captured by the Viewer. So the idle timeout wasn't reset and when expired, the presentation returned to the main page.
	Data providers that used the content library in a join data provider, could use the wrong content library, when a presentation was imported from a different system.
Desktop Viewer	Wrong amount of messages displayed in title bar
HTML5 Viewer	Text Element: loading text from local file was not implemented
	Rule which removes the Data Provider connection and shows a static text did not work properly
	Added transition effects for line, shape and interactive button
	Table Element with property binding did not scroll properly
	Rename of HTML5 Viewer name when the new name is already taking could result in no longer been able to change the name
	Creation of screenshot for Agent failed the 2 nd time
	On LG device Image Element can flicker the first time it is shown
	Samsung device stopped connecting after a PADS Server change
PADS Designer	Content Library dialog did not filter the content for the selected type(s)
	Element list sorts the list wrong causing the latest added Element to be on top of the list
	Autosave & Recover showed a recover message when starting the 2 nd Designer

April 22th 2016 (build version 4.6.5956)

New Features	
Item	Description
Video Element	Video stream credential option added to the Stream configuration window
	No Audio option for streaming is added to prevent devices searching for audio. In some situations the device can have a timeout problem when no audio is implemented in the device
PADS Designer	Auto Save & recover function which allows the user to open presentations where working on during a power failure or program crash. After restart of the PADS Designer the system will notify the user if these saved files must be recovered
	Elements toolwindow which allows the user to hide elements in the Designer it's state is now stored before a page change and restored when this page is shown again
Rules	New Rule option which allows the user to perform a text based comparison with or without case sensitive option (until now this was always case sensitive)
	New rule comparison type Week Number which allows date comparison on week number
PADS Agent HTML5 Viewer	New functionality for remote control of HTML5 Viewers. Retrieval of Log info, System Info, Proof of play and Content Download Log. Actions for edit HTML5 Viewer settings, retrieve screenshot and restart HTML5 Viewer
HTML5 Viewer	Show connection status info on the background which informs the user what the connection state is currently and the name of this Viewer
	Changing the name of the Viewer through the options menu will rename the Viewer name instead of creating a new one
Desktop Viewer	Implementation of storing the program settings in the registry and enabling the usage of Windows Group Policies to specify settings through Microsoft SCCM. Especially in situation where a lot of Desktop Viewers are used

Product Adjustments	
Item	Description
PowerPoint Element	Windows 10 adjustments made for running PowerPoint presentations
RTF Element	Scroll in sync and using effects used extensive memory resources
	In some situations the Image was not shown
PDF Element	Datascrolling (general page) in combination with data provider caused the effect to play twice
Interactive Button	German translation changes for 'Daten Blattern'
Scroll text Element	Scroll text in combination with a data provider that changes a rule that switches over to a different data provider with scrolling only showed the first item
Image Element	Rule in combination with one image (no playlist) could cause that the rule settings where not applied
Table Element	Memory leak detected when Opening/Closing the Row editor
	Table element in combination with rule and data provider caused the rule to no activate when needed
HTML5 Viewer	Shape element in combination with rules did not show a defined border
	Image realtime rules where not checked realtime
	Rename of content file (move) did not work properly on Samsung SSP device causing the device eventually to have all disk space used
	When using a network connection that causes a lot of failures could result in the viewers stop to reconnect
Picasa Data Provider	API changes implemented. In some situations the data provider did not get any data after Picasa made changes
SQL CE Data Provider	File lock caused read errors in some situations
PADS Viewer	Viewer Run As different user restarts with empty settings
	Proof of play information Presentation level was not stored.
	Viewer did not show the presentation name in the options window after moving a presentation in the scheduler from today to tomorrow
PADS Agent	Alert unexpected shutdown did not reach the user
	Multi viewer edit and changing servername did not work as expected
PADS Desktop Viewer	Synchronization failed when the root folder is different from the default location
	Presentation Scaling problem fixed in the popup window
	Presentation playlist was not played properly in some situations
TV Element	Physical channel mapping bug solved Timeout problem solved (15 minutes)
PADS Designer	Rule element properties window did not show the red color for changed playlist items which informs the user this property has changed (different from the default value)
	Hidden elements state (elements toolwindow) was not correctly shown initially. Besides that the state before a page change is now saved
Text Element	Split multi line option did not split the text in all situations (cr,crLf,lf)
External Application Element	External app was started only once

March 29th 2016 (build version 4.6.5932)

Product Adjustments	
Item	Description
Setup	Prerequisites where not installed in certain situations where the PC was very slow during install. This caused a timing issue.
HTML5 Viewer	Start where the URI was typed with capitals (Apps/Viewer) caused the HTML5 Viewer to show the background, but did not start scheduled presentations.

March 9th 2016 (build version 4.6.5912)

New Features	
Item	Description
HTML5 Viewer	<p>Table Element for the Xpress HTML5 Viewer. HTML5 Viewer contains now the table element. It works the same like the normal viewer Table Element.</p> <p>When the Table element is not enabled inside the PADS Designer when selecting Xpress HTML5 Viewer. Start the License Wizard and redeem the ticket. This will add the Table Element to the list of allowed elements. For license keys that are activated after November 2015, the Table Element has already been added.</p>
HTML5 Viewer	Performance has been improved up to 500% when using Data Providers
Viewer	When no presentation is scheduled, the Viewer shows the network status with a green or red icon (bottom left). This will inform the person in front of the display with the network status.
Cognimatics Data Provider	Added new functionality regarding face recognition and age.
Video Element	Volume property binding added (Property Bindings)
Access/Excel Data Provider	Added support for Office 2016

Product Adjustments	
Item	Description
Designer	OK and Apply button are not updated when Element properties are updated through the context popup menu.
Designer	Detailed view RTSP Element could show invalid properties based on specified url.
Designer	When deleting a Data Provider it did not properly check the page rules for existing references to this Data Provider.
Designer	Copy/Paste elements between presentation and table element did not work properly.
Designer	When hiding elements by unchecking the visible in the elements list in the document window, and afterwards edit element properties this can result in the elements being checked, but now shown.
Agent	Context menu Viewer Connections was missing the Restart Viewer option.
Agent	Memory/CPU/disk space alerts where not raised in all cases.
Agent	Data Provider result window could show a message in front of the table.
Shape	Rule was mentioned valid after a page change even when this was not the case.
TV Element	Adding a new TV Element forces the transparency level at 100%. This should be 0%.
Interactive Button Element	Copy/Paste element does not increase the Row number.
Interactive Button Element	Page expiration did not work when Playonce next page was used.
Text Element	Font size was decreased after repeatedly clicking on the decrease button when the Automatic font option was turned on.
Text Element	Empty string (DBNull) in combination with scrolling caused to stop the rule investigation process.
Formatted Text	HTML5 Viewer did not show the correct time when a Data Provider was used to receive/display the time.
Video Element	Rule executes after the video was ended and not directly.
Video Element	Sound was always muted. This bug was introduced after adjustments made for the new RTSP feature.
Video Element	Adjusting Video element in Designer in combination with rotation could result in displaying the video outside the element boundary.
Video Element	Registration of UDP streaming failed during setup.
RTF Element	High CPU consumption in Designer & Viewer
Table Element	Element with (scrolling) Property binding inside table element does not add the scrolling index which results in using the first value from the database.
SQL CE Data Provider	Editing an existing connection will convert it to sql statement when a table was selected the last time.
HTML5 Viewer	Page scroll up effect did not work properly.
HTML5 Viewer	Rotation Viewer did not properly work on a Samsung SSP display.
HTML5 Viewer	Scroll once next page with only 1 page in combination with data scrolling did not shown any data after the scrolling finished the first cycle.
HTML5 Viewer	Out of sync could occur when using more elements in combination with scrolling in sync with.
HTML5 Viewer	Videos with 2 playlist items will only play once (Samsung & LG displays only)
HTML5 Viewer	Native App restart of Samsung and LG display will restart content synchronization.
HTML5 Viewer	Data sorting with more than 1 column did not work properly.
HTML5 Viewer	Presentation rule in combination with clear data did not work when the network connection is disabled for Samsung and LG displays.
PADS Content Organizer	Sort on size and last modified did not work properly.
Desktop Viewer	Synchronization failure due to hostpath setting.

February 3rd 2016 (build version 4.6.5877)

Product Adjustments	
Item	Description
Software Update	When updating the PADS Viewers using the PADS Agent, the distribution failed because the client unzip algorithm contained a fault which aborted the update.
UDP Streaming	UDP streaming was improperly registered in the windows registry.
HTML5 Viewer	Orientation didn't work on the native app implementations of the HTML5 Viewer due to a missing file.
PADS Server	Email alerts where not send in cases when the destination was not properly specified.

January 29th 2016 (build version 4.6.5872)

Product Adjustments	
Item	Description
Setup	On Windows 7 32-bit system, it was possible that the setup didn't continue and give an index out of range exception.
Video Element	On a 32-bit system the video decoders for streaming weren't configured correctly.

January 27th 2016 (build version 4.6.5870)

New Features	
Item	Description
Video Element	RTSP/RTP/UDP/MMS/HTTP streaming. Have a look at the PADS Designer documentation (Video element) for more info.
HTML5 Viewer	Native app implementation for Samsung/LG displays. Have a look at the installation manual how to configure the device to let PADS run as a native app.
HTML5 Viewer	Landscape/Portrait option implemented. *Samsung and LG have at this time no rotate implementations for videos ready.
HTML5 Viewer	Samsung touch/keyboard implemented
Property Bindings	Added change of property bindings (reset to none) inside rule properties
Data Provider	Column Options "Decimal" and "Double" added for the expression columns.
XML Data Provider	Parent nodes are now included in the result which may result in more complete data.

Product Adjustments	
Item	Description
PADS Designer	Memory consumption when opening and closing presentations. This leak was caused by the third party control for the ribbon bar and has been fixed. This may have caused an unpredictable crash of the Designer application.
PADS Designer	Memory consumption when opening the row editor for the Table element. This leak was caused by the third party control for the ribbon bar and has been fixed.
HTML5 Viewer	Right to left option for the text element did not work properly.
HTML5 Viewer	Playing videos on Samsung device does not work when retrieved from the local storage.
PADS Viewer	Join Data Provider which reads excel uses the wrong content library folder and cannot find the file.
PADS Viewer	Play once next page option in combination with only 1 page inside the presentation does not force the elements to restart.
PADS Viewer	Elements that have a playlist of 1 item may only update when the new value from the Data Provider has changed.
PADS Viewer	Windows 8, 8.1 and 10 swipe options disabled to prevent the viewer from being terminated.
Presentation In Page Element	Scroll in Sync in combination with Presentation In Page element can cause old (cached) data from Data Providers to be used.
PADS Scheduler	When a Viewname is changed using the System Management, this name will not be updated in the Scheduler application.
Table Element	Hide when no (Data Provider) content did not behave properly. Now the Table element will hide when there are no Data Provider connections that deliver content.
System Management	SMTP mail was sometimes not send when the test button was pressed.
PADS Viewer	Restart task was not implemented for the Viewer group itself.
PADS Viewer	Element with Playlist of 1 item and "alternate playlist" is disabled together with the option play once and next page will not force the presentation to goto the next page.
Data Provider	SQL CE Data Provider with file and password delivered an invalid connection string which resulted in an invalid call.
Chart Element	Minor Wizard bugs solved in the PADS Designer
Video Element	When using local playlist duration, a database change connected to a change in visibility will not be performed at that time, but after the time was finished.
Text Element	Font Typeface selection may be displayed incorrect when the Font window is shown.
PADS Controller	Memory consumption detected when a screenshot was retrieved from a PADS Viewer.
PADS Agent	Viewer connection alerts may not be retrieved correct in all situations

November 23th 2015 (build version 4.6.5805)

New Features	
Item	Description
Data Providers	Json feed, Text feed, Google+ feed an Picasa feed have been extended with a proxy feature
PADS Server	Agent task optimisation for Viewers which will decrease cpu/memory usage on the Server PC
Data Provider	XML Parent node columns are now included in the result table

Product Adjustments	
Item	Description
PADS Viewer	Playlist with more than 1 item inside row of Data Provider does not scroll when the scroll option is turned off
PADS Viewer	Scrolling with an index <> 1 with the usage of more than 1 data provider can cause the scrolling index generator to use an invalid value. Please load the presentation in the PADS Designer and save it to solve this problem
PADS Viewer	Screen off when no presentation caused the Minix Neo Z64 to disable the network card
PADS Viewer	Turn off screen when no presentation option caused the Viewer to turn the screen off after the option screen is closed
PADS Viewer	Rename of the Viewer name caused the Server to create a new Viewer, but when there is just enough number of licenses, it could not get a new license. Mechanism changed so a rename only changes the name of the Viewer and all schedules are still available
PADS HTML5 Viewer	Data Provider Rule check was only performed after page change or browser refresh. When the element has a playlist, the rule was not checked during change
PADS HTML5 Viewer	Formatted text element did not show the long date dddd dd MM in the proper format
PADS HTML5 Viewer	Formatted Text element Automatic font size adjustment when using wrap text option resized the font to fit on 1 line
PADS HTML5 Viewer	Data provider playlist structure with only 1 item failed
PADS HTML5 Viewer	Join Data Provider caused the Data Server to use an extreme amount of memory
PADS HTML5 Viewer	Play once next page did not work in combination with a playlist inside a Data Provider
PADS HTML5 Viewer	Right to left text option did not work properly
PADS HTML5 Viewer	Image was not shown in combination with Data Provider on LG device
PADS HTML5 Viewer	Recurrence schedule (week days option) did not show the presentation
PADS Designer	Edit rule properties window adjustment of visualization of (red marked) changed properties which was not implemented for some properties such as Data Provider, defaults, positioning, text style and transition effect
PADS Designer	Table row editor showed elements that are not allowed inside a table row and the user was able to select and place these on the row area
Domain Management	Reset password function was not implemented
PADS Data Server	When two or more Viewers use the Data Server for a certain data provider where only the duration is different and the Viewer with the smallest duration is restarted, it will show old data
Web Element	Plugin from a website did not work inside the web element. Solution In this case is to use coreflags to adjust it to 32bit on a 64bit machine. The plugin was restricted to 32bit
Data Provider	Text file Data Provider did not proper use the encoding
Data Provider	Edit Instagram Data Provider caused the proxy settings to be reset
Data Provider	Updated Facebook API to 2.5. End of life for this version is April 12 th , 2018

October 19th 2015 (build version 4.6.5770)

New Features	
Item	Description
Content Organizer	New option added for opening a file using the context menu or double click on a File when it is associated with a program by Windows.

Product Adjustments	
Item	Description
PADS Server	Improved performance of the data synchronization process.
PADS Viewer	When an occurrence for today in the PADS Scheduler is deleted and another one from outside of the operational period is moved to today, it did not start the presentation on the Viewer.
Sub Server	Content Synchronization in combination with certain content permissions could fail to synchronize with the Main Server.
PADS Designer	Data Provider with connection to Open Office (ods) file was locked by PADS Designer.
PADS Designer	External Application element did not zoom properly in the preview window.
PADS Designer	Save button was not enabled when File / Save As File was selected and the presentation name was already specified.
PADS Designer	Synchronization option 'Never' added.
PADS Designer	When the Formatted Text element is connected to a Data Provider with a row number higher than 1, after changing properties the Designer will show row 1 content until the F5 (refresh) is pressed or a page change occurs.
PDF Element	Interactive button option "scroll down for a Data Provider" did not scroll the content for the PDF Element.
Flash Element	Scaling Flash on Viewer where "scale presentation to fit into the destination window" is enabled, the size was not properly adjusted by Flash.
Formatted Text Element	Automatic font size with word wrap did not recalculate the size properly because of the word wrap option turned on.
PADS Viewer	Operational scheduled presentations were calculated for 6 days, this has been changed to 7 days.

October 5th 2015 (build version 4.6.5756)

New Features	
Item	Description
Data Provider	Seenspire Data Provider Content provider for digital signage (www.seenspire.com)
Data Provider	Cognimatics Data Provider Face recognition software (www.cognimatics.com)
Data Provider	Newmarket Delphi Data Provider Business solutions for hospitality organizations (www.newmarketinc.com)
HTML5 Viewer	New mechanism that detects if the current viewer has an older software version running. If so the newer version will be downloaded from the server.

Product Adjustments	
Item	Description
PADS Designer	Interactive button global filter did not fill the column when set data filter was selected.
PADS Designer	Preview mode 125% and 150% did not show the correct percentage.
PADS Viewer	Page rule prevented an interactive button from changing pages.
PADS Viewer	Table Element margins for even/odd colors were not properly displayed after data change.
Presentation in page element	Sometimes lines were shown around in the presentation in page element when scaling above 100%.
Image element	When an image file was replaced and the playlist had only 1 item, it was never replaced with the new image.
Interactive element	Implementation of set/clear global data filter inside presentation in page.
PADS Viewer	Interactive button usage and displaying a page prior to the current one could cause a next presentation to be shown when a playlist of presentations was used (scheduled).
Web element	Interactive websites were not displayed because of the document loaded event was never finished.
PADS Viewer	Viewer could play a presentation when it was no longer scheduled in combination with pc restart and network failures.
HTML5 Viewer	Recurrence schedules exceptions were not removed (where displayed).
HTML5 Viewer	Playlist inside data provider was not properly used.
HTML5 Viewer	IAdea head request problem solved for connecting to the server.
HTML5 Viewer	Formatted text did not update the time in some situations.
HTML5 Viewer	Formatted text stopwatch time and numeric was not displayed correctly.
HTML5 Viewer	Scrolling text did not update the text immediately after change from source.
Web Scheduler	Double click (edit schedule) implemented for scheduled items.

September 8th 2015 (build version 4.6.5729)

New Features	
Item	Description
PADS Server	Improved performance for unstable networks.

Product Adjustments	
Item	Description
PADS Server	A problem with synchronization was solved, that was introduced with the previous version.

September 7th 2015 (build version 4.6.5728)

New Features	
Item	Description
PADS Designer	When a Page is deleted, a check is performed whether if this page is used in rules to prevent dead links. If found a warning message will be displayed.
PADS Designer	Added support for numpad keys to specify an identification name.
Windows 10	Desktop mode functionality added to prevent tablet mode when a Viewer is started.

Product Adjustments	
Item	Description
PADS Designer	Interactive button option "open webpage in external window", when choosing a data provider the column option was not filled in.
Scrolling Text Element	When max rows is specified (for example 10), the scrolling stops at the last row when for instance the data returned only has 4 rows. After the fourth row it should start again at row 1.
PADS Designer	Adjusted Import page data provider process. In case of situations where the ID of the data provider already exists, PADS will check if the data provider is 100% the same as the current existing one. If not a new one will be created.
HTML5 Viewer	Recurrent daily and every weekday schedule was improperly calculated.
Web element	Swiping inside web browser was not activated (registry setting).
PADS Designer	Rule element option other column does not show the column selection.
HTML5 Viewer	Scrolling text option "show changes immediately" did not respond directly to data changes. Rules based on date time were not properly calculated.
PADS Agent	Tasks weekly and yearly were calculated wrong causing the task to not start at the right time.
PADS Designer	Chart element Series wizard when selecting a data provider, the column option was reset.
Text Element	Data scroll switch caused by rule can result in only the first row being displayed.

First new version PADS4 release 6

August 19th 2015 (build version 4.6.5709)

New Features	
Item	Description
PADS Web Scheduler	New application which adds a brand new web based Scheduler to our product line.
Microsoft Exchange Data Provider	New feature that allows the selection for the retrieval of the actual message (body). Retrieval of the message has a performance drop compared to skipping this info.
TV Element	Device blacklist option added which allows the user to disable certain devices.

Product Adjustments	
Item	Description
HTML5 Viewer	Release from Monday (4.6.5707) contained an invalid host address for the data server which resulted in not receiving data. This has been fixed.
General element	Possibility to use the '-' key from the numpad for data entry.
Xml feed Data Provider	Xml zipped data which was compressed using gzip failed.
Desktop Viewer	When closing the popup message, sound from the presentation was still played.
Interactive button	Action "Open webpage in external window" and Https url failed.
PADS Designer	PADS Designer Preview and presentation option "calculate time of page change based on schedule time" for synchronizing viewer playing of content, showed the page which should be shown due to the calculation of time. This prevented the user from showing a certain page directly. This option will be ignored in Designer Preview mode.
PADS Scheduler	Cut function did not work properly. It removed the content before the paste took place.
Text element	Auto adjust font size calculation in combination with wrapping calculation has changed which results in a better calculated font size.
Web element	Webpage Sound was playing continuously in PADS Designer when the page was opened.
HTML5 Viewer	Gradient color did not show properly on LG device.
MS Access Data Provider	SQL statement textbox did not allow a multiline (return) character which resulted in a single line statement. Provider data source window title adjusted from xml data source into Microsoft Access datasource.

July 27th 2015 (build version 4.5.5686)

Item	Description
Exchange Data Provider	NEW: Multi selection of users added. This allows the user to retrieve information from a list of users.
	NEW: Inbox option to specify a path from which the mails must be retrieved. 2 nd option that allows the user to optionally include sub folders.
YouTube Data Provider	NEW: Authentication method oauth2 implemented including encoding and proxy options.
Data Provider	NEW: Option which allows the user to exchange row and column data information from a table. Rows become columns and columns become rows.
Designer	NEW: Improved load of (data provider) data during the load phase of the presentation.
Interactive Button	NEW: New Filter action that is able to (dynamic) filter a Data Provider and optionally change pages. The filter stays active even after a page change. Besides this another action that can clear the filter. This will allow the user to build a master / detail view.
Image element	NEW: Local image caching of images that are retrieved from the internet. This can decrease the amount of bandwidth used. First a check is performed if the file has changed, if not the cached item is used. If the internet connection is lost and a cache is available, the image is retrieved from the local cache.
Scroll text element	NEW: When designing you scrolltext content, you can now explicitly choose right-to-left text direction. This new option enables you to have text, like Arabic and English.
Twitter Data Provider	Image from older tweet was displayed when the current has not image.
Viewer	#Monitorname# (old pads 3.1 constant) in expressions and SQL queries was not implemented. This has been replaced in pads4 with #Viewername#
Viewer	When there is only one visible page the Scroll Once did not stop at the end of the cycle.
Viewer	Rules in combination with property bindings and alternating playlist could result in the wrong rule properties being used.
Viewer	Data Scrolling and rules could cause the element to stop scrolling.
HTML5 Viewer	Data provider update could cause image to update immediately instead of waiting for the playlist timer to go off.
HTML5 Viewer	Data provider update attached to an image element could result in the next page stopped from being displayed on Samsung SSP device.
Desktop Viewer	Video (sound) did not stop when the Message Popup window was closed by the user.
Designer	Presentation option "Calculate time based on scheduled time.." is ignored in the preview.

June 29th 2015 (build version 4.5.5659)

Item	Description
Data Provider	NEW: Data provider 'use date columns' has a new column Days_of_this_year which calculates the number of days passed from the first of January.
HTML5 Viewer	NEW: Culture and UTC Offset are automatically retrieved from the PADS Server.
Rule	Otherdata rule option used row scroll information to determine the row which was invalid. This resulted in a different result when identifying row 2.
Viewer	Viewer settings xml file is corrupt after PC power failure. When PADS receives a display off message just before the power fails, it can occur that during the file write the process is halted.
Viewer	When a running presentation is rescheduled (presentation not changed), it is possible that dataserver connections are removed for the active presentation.
Designer	Preview with viewer name specified can cause the data server to remove an active data provider from a running viewer when the same viewer name is used.
Scheduler	Filter option for destinations did not work correct in all situations.
Desktop Viewer	Audio starts playing before the screensaver is activated.
Scheduler	The end date of a weekly recurrence schedule could be scheduled to a date prior to the end date specified.
RTF element	Bullet points did not scale with the font size.
HTML5 Viewer	Date/Time problem solved. PADS will sync the PADS Server date/time.

June 1st 2015 (build version 4.5.5630)

Item	Description
Zone Viewer element	Interactive page show different presentation playlist showed the second presentation in the playlist instead of the first one after one cycle.
HTML5 Viewer	Video element data scrolling used the default duration instead of the playlist duration.
HTML5 Viewer	Video element does not show a background color when there is no video to play.
HTML5 Viewer	Video element may scale/position improper in some situations.
HTML5 Viewer	When using more than 1 data provider, data updates could cause the presentation to skip page 3 and higher from becoming visible.
Scheduler	When pressing the cancel button in the edit recurrence window will throw an exception.
PowerPoint element	Improper scaling when aspect ratio is turned off.
System Management	Editing server settings where the server role changes from main to sub server, where the user enters a password may cause an exception to occur.
Table element	Group by option in combination with animations causes elements to show content prior to the animation.
Image element	Image without stretch where the image is smaller than the container and align middle/right is used causes the animation to position the image at the wrong position.
Content Library	Folder removal/move does not update the folder treeview.
Designer	File / Save as does not show a message when you are overwriting an existing file.

May 11th 2015 (build version 4.5.5609)

Item	Description
PDF element	Update of PDF generation component included.
Agent	The change made on 4 th May for the Agent and the offline status in the viewer treeview, caused the viewer groups to stay disabled.
Agent	Alphabetic view in destination treeview did not sort unless there was a selected viewer.
Zone Viewer element	Moving an occurrence from a recurrent schedule in the Scheduler application caused the zone viewer to not update the screen until a restart or page change.
Viewer	Moving an occurrence from a recurrent schedule in the Scheduler application caused the Viewer to not update the screen until a restart or presentation change.
HTML5 Viewer	Presentation rules only checks the first rule.
Viewer	Options screen (log section) showed a "Remove ." where the name was missing.
Presentation in Page element	After a data update, the presentation rules where not checked properly.
Designer	Data Provider list in the ribbon was not emptied when the presentation was closed.
Designer	Page defaults menu / general tab: Change duration and hit OK resulted in a message that the name should be specified.
Designer	Moving page in the thumbnail view did not enable the save button.
Designer	Opening Color Picker with a gradient causes the custom color tab color selector to skip the color selection.
Designer	Added check for element property bindings when removing data providers. When found, this will show a message to inform that the data provider is connected to one or more elements.
Image element	Scroll effect with image without stretch and alignment other than left, top did not stop at the proper location causing the image to re-position after the effect stopped.

May 4th 2015 (build version 4.5.5602)

Item	Description
Agent	When reconnecting with a server it was possible that a certain Viewer in the treeview it's status was offline, but the user was able to select it.
HTML5 Viewer	When the Server side synchronization folder was incorrect specified, the HTML5 Viewers got a failed exception.
Text element	When a text element is connected to a data provider which also has datascrolling, and a Rule forces a change in data provider, the result is that the datascroll is not updated from that point on.
Text element	When connected to a data provider and using scroll options 'using playlist' and the alternate is unchecked, the general page interval was used instead of the playlist duration.
TV element	When a device (webcam/tuner) fails, the scan wizard buttons stay disabled.
PowerPoint element	Width and Height options removed from the location section. These can be specified in the section below the location.
Zone Viewer element	Sometimes the Zone Viewer was not activated due to asynchronous processes.
Designer	Additional check when entering names of pages, elements and presentation.

April 14th 2015 (build version 4.5.5582)

Item	Description
Exchange Data Provider	NEW: Today option extended with an offset option which allows you to specify a date in the past ore the future related to today.
Language	NEW: Spanish language added.
Content Organizer	NEW: Opening Content Organizer through Designer does not need another logon.
TV element	When a TV device fails, the scan wizard will always be disabled.
TV element	Webcam problem when usb changes are detected.
HTML5 Viewer	Data scrolling with different elements to the same providers with different rows did not scroll in sync. When the last row was reached, the first one was immediately shown.
HTML5 Viewer	Empty data provider causes the HTML5 Viewer to wait for data before the presentation is displayed.
Agent	Agent does not show the presentation name (viewer schedules)
File Synchronization	When a network share is used which has a network failure during the watch process, it is possible that the watcher does not get any file updates from that point on.
Backup Server	Usage of the Backup Server can cause the synchronization process to abort. When switching back from the backup to the main server the metadata can
HTML5 Video element	Video stops playing after some hours. This will occur after some hours playing videos which are in a playlist, or where more pages are used and videos are changed.
Image element	Gif file with animation can cause the memory/handles to increase.
Formatted text element	Presentation rule can cause the formatted text element to precent the refresh of the date/time on the screen.
Join Dataprovider	When providers are joined that have the same column names, this results in an error message during retrieval of data.
Scrolling text element	Top bottom flow showed wrong element first.
General	Closing applications (designer/scheduler/messenger/agent) can result in a windows error message.

March 23rd 2015 (build version 4.5.5560)

Item	Description
Playlist elements	NEW: Multi-line option "Split multi-line text into playlist items" added for all playlist elements except for the scrolling text.
Web element	NEW: When a filter is used, the filter is also executed when the user clicks on a (page) link which refers to a different webpage.
Data Providers	NEW: Added Datatype detection and conversion for numeric values.
Google Calendar Data Provider	NEW: Implementation of OAuth2 authentication
Formatted Text element	NEW: Stopwatch & numeric formatting options.
SQL CE Data Provider	NEW: Possibility to Query the database manually.
Presentation In Page element	Show next page option could force the parent page of the element itself to show the next page before the end of the playlist was reached. Clipping showed the wrong page when first and last page have the same value.
Video element	Pasting text into the filename box did not enable the OK button.
HTML5 Interactive Button	Image is not shown until hovering above it.
Content Organizer	Tab key did not properly go through the elements.
Image element	Some Separator effects where not shown properly. For example when the current image is shown and should move to the right (disappear).

March 9th 2015 (build version 4.5.5546)

Item	Description
Aviavox data provider	NEW: Aviavox voice system data provider which is able to visualize texts.
Designer	NEW: Auto zoom function for the preview window.
Elements	NEW: Split multi line function (data provider) which is available in the text element is now also available in all other playlist elements.
Data Server	Clear data when data source is not available did not clear the data from the screen when used with the data server option.
HTML5 Viewer	Domain parameter setting in URL was not stored. Data Source update fails when page effects are used. Empty image could show invalid border/background.
Presentation in Page element	Play once next page problem with powerpoint element inside Presentation In Page.
PowerPoint element	Data scrolling. After first cycle first element is skipped.
Pads 3.1->4 Converter	Conversion of Alternate and Play using page alternate interval option fails.
Scheduler	Edit occurrence of a recurrent schedule, and afterwards a delete of the occurrence fails.
Designer	Message if you want to store the image to the content library is invalid when the File is dragged from content organizer to Designer.

February 23rd 2015 (build version 4.5.5532)

Item	Description
TV Element	NEW: Analog TV is now available in the TV Element.
Data Provider convert date string	NEW: General Option which allows PADS to automatically detect date/time string fields and convert these to date time column type. If the culture has a specific notation which cannot be identified automatically it is possible to manually specify a culture.
Genesys Data Provider	NEW: Added timeout field which is used internally by the server side wsdl connection.
Twitter Data Provider	NEW: Option to use a Proxy Server
Current Time Columns	NEW: Added Current time string field for the 'add current time columns' option which can be used for expressions and rules.
Youtube Data Provider	NEW: Added an parameter to the url to hide the progress bar by default.
RS 232 Element	From the ASCII output, the return code was removed at the end of the string. Playlist with more than one item, the second and next items could send the string in a wrong way.
Image Element	Gif file that has no timing caused the viewer/designer to use realtime frame change that could result in the application to react very slow.
	Rotated element was not displayed at the right position in some situations.
Line Element	Rule always used scrolling option which resulted in a row number that was incremented.
MS Access Data Provider	Username/Password where not stored properly and used when editing an existing Access Provider and hitting the test button.
Google Calendar Data Provider	Date/time fields are strings in the result table. These have been adjusted to date/time so that they can be used in the formatted text element and rules.
Scheduler	Duplicate function in the advanced schedule did not behave as expected when pressing.
	Priority change in the advanced schedule was not saved correctly.
	When you are logged on as a user that has limited rights for priorities, and afterwards log on with admin rights, you still are not able to change the priority level.
Designer	Preview button my Data Provider was enabled when nothing is selected.
	Selecting (use) more than one Data Provider from the my Data Providers list resulted in copying the first selected several times.
	SQL Server Table and Views where not sorted in the dropdown.
	Exchange Data Provider wizard Public Folder selection was reset after edit.
	Improvement made that results in a better performance and made a change for the data server which could result only one row from exchange.
Desktop Viewer	If an interactive presentation contains a back button (go to the previous page), the Desktop Viewer stops the running presentation because it thinks that the presentation finished 1 whole cycle. From now the presentation keeps running until the user stops it manually.

February 10th 2015 (build version 4.5.5519)

Item	Description
Interactivity and Rules	Since previous release, it is possible that page navigation based on interactivity or rules didn't work as expected.
Data Server	HTML5 viewers failed to connect to a Data Server that didn't use the default domain.



February 9th 2015 (build version 4.5.5518)

Item	Description
General	NEW: GUI now also available in Turkish language.
BASIC Viewer	NEW: The BASIC Viewer has two additional elements: Video/Sound Element and Interactive Button. To get this functionality you need to reactivate your license.
XPRESS Viewer	NEW: The XPRESS viewer has two additional elements: The Table and PowerPoint element. To get this functionality you need to reactivate your license. (This does not apply to the XPRESS version of the HTML5 Viewer)
PADS Designer	NEW: When adding the current time columns to a data provider, it now contains an additional field that returns the current time in the following format HH:mm.
Web Element	In some cases the website displayed by the web element didn't position correctly, this has been solved.
Scrolling Text Element (HTML5 Viewer)	The separator image in the scrolling text element didn't display correctly when the image height was smaller than the height of the scrolling text element.
Table Element	In the Designer it was possible when resizing the table element, that some element inside the table element became unreachable. Now you will get a warning when this will happen.
HTML5 Viewer	It was possible that some data providers in the HTML5 Viewer didn't show any data, this had to do with a case-sensitivity problem in the Column Names of the data provider.
MS Exchange Data Provider	When the exchange data was retrieved through the data server, it always retrieved only one row of data.
Picture Element	Fixed a problem with Gif files where the interval between animation was too small.
PADS Designer	When importing multiple preserved data providers in the data provider window, only the first data provider was imported multiple times.
Google Calendar Data Provider	The data/time fields of the Google Calendar were imported with a data type of string instead of DateTime, which made using rules very difficult.
PADS Scheduler	Changing the priority of a schedule using the advanced view of the Schedule Wizard didn't work.
PADS Scheduler	The duplicate option in the advanced view of the Schedule Wizard didn't work.
Desktop Viewer	An interactive presentation stopped playing when it had a button that navigated to a previous page.
MS Access Data Provider	The MS Access data provider didn't store its user credentials when specified.
Line Element	It was possible that a rule in the line element didn't return the correct value, when it made use of a data provider.
PADS Designer	Several data providers didn't sort their retrieved tables/views correctly.
RS 232 Element	Only the first item in a playlist element was encoded correctly, when using the text encoding option.

January 26th 2015 (build version 4.5.5504)

Item	Description
MS Exchange Data Provider	NEW: Added two calculated fields which can be of use for showing a message prior to the start of the event. MinutesLeftBeforeStart {calculated time left before the event starts} MinutesLeftBeforeEnd {calculated time left before the event ends}
System Management	Null exception Error occurred during open of the Server Settings properties.
TV Add-On	On a 64bit system the TV-Addon could have some problems with 64/32bit conversion which resulted in malfunction of itself.

January 19th 2015 (build version 4.5.5497)

Item	Description
PADS Designer	NEW: Warning message if current loaded presentation main version is higher than the installed version. Loading a newer document into an older PADS Designer (main 4.x) version could cause the properties to act differently.
Applications	Credentials window password field is not editable with touchscreen device.
Chart element	Color of background chart could not be set in 2D mode.
HTML5 Viewer	Scroll text playlist sequence was not played properly.
HTML5 Viewer	Scroll text separator image was stretched when the image height was smaller than the scrolltext height which results in a blur image.
PDF element	SDK change in pdf element caused pdf document load to fail.

January 12th 2015 (build version 4.5.5487)

Item	Description
Page properties	NEW: The page background image now also supports transparency, to create semi-transparent background images.
Video element	NEW: Color replacement (Chroma key). New color replacement features that can be used for instance to make the background of your video transparent and place it in front of another background.
Shape element	NEW: Curved shapes. The list of predefined shapes for the shape element has been extended with curved shapes. Ideal to create shapes with a Bezier curve. By changing the size of the shape element the curve is automatically adjusted.
PADS Designer	NEW: Double clicking a .pads file when the PADS Designer is already running, will now open the presentation in the same instance of the PADS Designer.
Setup	When the setup was run in silent mode it still did show a dialog window.
General	The logon window of the PADS applications sometimes showed the wrong domain information.
PADS Designer	PADS Controller was not running if no reboot was done after the installation. As a result content synchronization didn't work. To overcome this problem PADS Controller is now checked during PADS Designer startup.
PADS Designer	When saving a presentation to the PADS content library, the system always showed a 'file already exists' message.
PADS Designer	Reflection issues with rotated videos and scrolling text solved.
PADS Designer	The PDF element didn't show any files when browsing your computer for .pdf files. This only occurred when running PADS Designer in the German language.
PADS Designer	Some menu items in the context menu of the table element had a wrong menu item name.
Picture element	Transition effects were not executed properly between pictures of different size. Before the transition took place the existing picture was first moved to the top/left position.
Chart element	Integer values were not always displayed when used as a label in a chart.
Pres-in-page element	The presentation in page element showed the wrong background color if there was no page to be shown by the element.
Exchange data provider	If no value was entered for the Maximum number of rows setting then the data provider didn't return any data.
Exchange data provider	When requesting the user availability, the data provider didn't show to which user an appointment belonged.
Google+ data provider	Authentication issue due to changes by Google in Google+ Calendar solved.
Rules	A rule comparing two string values always returned the value 'True' when the Compare As settings was set to 'Numeric'.
Rules	A page level rule saying that a page should be hidden when there is no data (row count = 0) didn't become active in case of a network failure. Same at presentation level.
PADS Scheduler	If working with two screens and calling the Edit Design function lead to an error then the error message was displayed on the wrong screen.
PADS Viewer	Issues with page selector add-on in combination with a master page solved.
PADS Viewer	Even if all content files were manually copied into the content library of a PADS Viewer, the system still downloaded the content files from the PADS Server.
PADS Viewer	In some particular situations the wrong page number was shown by the formatted text element.
PADS Viewer	The advanced TV add-on element didn't work in PADS4 Release 5 when using a 64-bit operating system
PADS Agent	Screenshot Refresh button was grayed-out after clicking it.
PADS Sys Mgt	It was possible to assign a content permission to a content category without specifying any content folders. This resulted into an error in the Viewer log file.

December 2nd 2014 (build version 4.5.5449)

Item	Description
Instagram Data Provider	NEW: The Instagram Data Provider now supports Oauth2.0 authentication. So now the Instagram call limitation is bound to each individual user.
HTML5 Viewer	NEW: HTML5 Viewer now supports #ViewerName# in rules and filters.
Text Data Provider	NEW: You can now specify encoding with the Text Data Provider, so it will now support a wider range of characters.
Designer	The Designer didn't show a warning when overriding a presentation in the content library.
Chart element	Some bugs with transparency and gradients were solved.
PDF element	Automatic size or maintain aspect ratio didn't work correctly with pdf files with landscape as orientation.
PDF element	PDF element didn't show items in the browser when the language was German.
HTML5 Viewer	Several data provider/rules bugs have been fixed.
Table element	Reflection option wasn't displayed correctly in combination with skew.
Table element	Row editor failed to open when there was a video element in the row.
Image element	Problems with transparent GIF's has been solved.
Viewer	When the credentials were specified in the viewer settings, then it was possible that the viewer used a different viewer settings file called 'restartmodeactive.xml'.
Scheduler	There was a problem when deleting an occurrence of a recurrent schedule.
HTML5 Viewer	When a scheduled presentation was removed, the HTML5 Viewer kept playing it, until it received a new schedule.

November 17th 2014 (build version 4.5.5434)

Item	Description
Interactive button	NEW: Action that can be used to start an external web browser when the button in the PADS presentation is clicked. The url to navigate to can be specified manually at design time or dynamically at runtime via a data provider.
Interactive button	The option 'Hide when there is no content' didn't work.
PDF element	File names and urls were automatically converted to lower case by PADS. In some situations this could lead to the files or urls not being found anymore.
External application elt	When a data provider was used to provide the command line argument it always used the first row of the data provider.
Designer	After removing a page from a presentation the master page was no longer visible. After a manual refresh the master page was visible again.
Designer	After choosing 'Return to Scheduler' and next 'Cancel' to stay in PADS Designer, the presentation could no longer be saved in the content library.
Data providers	For the Facebook data provider if the option for skipping the first row was used in combination with a maximum number of rows, then the viewer showed one row less than was specified.
Scheduler	Only with a Dutch GUI the advanced schedule window didn't show a dropdown list for the recurrence entry field.
HTML5 Viewer	If a schedule was removed it remained active on the viewer.
HTML5 Viewer	Data entry using a keyboard was no longer possible on a Samsung SoC based device.

November 4th 2014 (build version 4.5.5421)

Item	Description
Setup	PADS Setup did not install a library file when the Viewer, Agent or Scheduler were installed as standalone application.

Scheduler	User access permission related to priority problem solved. When a user is restricted to use a certain level of Priority, this was not correctly handled at the background.
Element Playlist	More than one item in the Element datagrid Playlist window could show the edit mode at the same time.
PDF Element	Play Once next page when there is only one PDF document which contains only 1 page did not
Page Rule	Page rule with data provider count >1 did not work properly. PADS limits the data retrieved from the source based on the rows used in the presentation. This however conflicts with rules that use the count of rows. Because of this we changed the mechanism so that you receive the data that is available. To limit the amount of data retrieved an additional option is added on the sort/filter page of the wizard.
PADS Controller	When the Server is disconnected while synchronizing the synchronization process it could take up to 10 minutes (timeout) before the system detected the failure.
External Application	Parameter specified through a data provider did not work properly in some situations.
HTML5 Viewer	Pictures where not shown properly after the following sequence occurred on systems where there is no index db available for storage. -both Viewer and Server were stopped -The Viewer was restarted again (but the server was not yet online) -The server comes back online -Pictures where not loaded from the server.
Language	New French translations added

First new version PADS4 release 5

October 30th 2014 (build version 4.5.5416)

Item	Description
Setup 64bit	<p>NEW: Full support of 64-bit systems for all PADS applications. If the PADS4 setup detects that you have a 64-bit system it will automatically install the 64-bit version.</p> <p>IMPORTANT: Please note that your Microsoft Office drivers may have to be updated to 64-bit after updating to PADS4 Release 5 on 64-bit systems. By default the 32bit drivers are used. When the new release is installed onto a 64bit system, the 64bit drivers of Microsoft need to be installed.</p> <p>When there is already a 32-bit Office Installation active, please install the drivers with the argument from the commandline: C:> AccessDatabaseEngine_x64.exe /passive Installation of the drivers in the normal way will result in a error message that it is not allowed to install the 64-bit drivers on a system where already the 32-bit is active.</p>
HTML5 Viewer	<p>NEW: New XPRESS edition of our PADS HTML5 Viewer with same page elements as the Windows based PADS XPRESS Viewer.</p> <p>NOTE: For the Flash element it's required that the Flash plug-in has been installed.</p>
PADS Designer	<p>NEW: PADS Designer now has built-in features to design for specific viewer types (XPRESS, XPRESS or BASIC). Unsupported page elements will automatically be disabled and the presentation preview can be run for a specific viewer type.</p>
TV element	<p>NEW: Simple yet powerful new TV element. It's no longer required to have a TV-card in your Designer PC. Adding live TV has become as simple as selecting a channel name. Full support of MPEG-4 (HD TV). Support of ATSC and DVB-T. Additional features like semi-transparency, rotation, shadowing, reflection, skewing and many more. TV elements can be placed behind other elements. Many other new features.</p> <p>PADS Viewer software supports TV-card plug & play. Scanned channels are locally mapped to channel names. Possible to work with TV-card of different brands/models within one PADS installation. Even possible to have multiple TV-cards in one PADS Viewer PC.</p>
PowerPoint element	<p>NEW: New native PowerPoint element that gives full control about playback of your PowerPoint presentations. Automatic calculation of slide durations enable you to use options like 'play once and show next page'. Compatible with Microsoft Office 2007 and higher.</p> <p>NOTE: Requires a full installation of PowerPoint on your PADS Designer PC and each PADS Viewer PC.</p>
PDF element	<p>NEW: Internal working of the PDF element has been adjust to even better handle all types of PDF content.</p>
Data providers	<p>NEW: Bluefox data provider. Bluefox is a provider of high-quality content feeds for digital signage networks. The Bluefox data provider enables you to directly retrieve (paid) content from the Bluefox web portal.</p>
Data providers	<p>NEW: WSDL data provider. This data provider can be used to retrieve data from web services that can be accessed via WSDL, an XML-based interface for web services.</p>
Data providers	<p>NEW: SOAP data provider. This data provider can be used to retrieve data from web services that require communication via the SOAP protocol.</p>
Data providers	<p>NEW: Facebook data provider has been significantly improved. Just connect to a Facebook page of a company or person by entering its name, which is found in the Facebook url. (like: <a href="http://facebook.com/<name>/<ref>">http://facebook.com/<name>/<ref>)</p> <p>Now you can retrieve nearly anything from a Facebook page: photos, events, news, likes, followers, shares and many more.</p>
Data providers	<p>NEW: Twitter data provider has been significantly improved. Since PADS has acquired the status of an official Twitter application, you can now simply connect with your Twitter account and authorize the PADS software to use it.</p> <p>Enter the name of the Twitter page you want to follow or use the new search function to collect your information. Use @ or # characters to get all results for a specific</p>

	Twitter account or hashtag.
Data providers	NEW: Genesys data provider. Enables you to interface with the Genesys Integration Server-database which is a database that is typically used by call-centers to store a wide variety of information.
PADS Scheduler	NEW: If you have configured your PADS system to use Active Directory, then an additional tab will appear in the destinations tree view enabling you to select an Active Directory user as destination.
PADS Server	PADS Server communication layer has changed. As a result PADS Desktop Viewer and PADS Messenger clients running PADS4 Release 4 can no longer connect and need to be upgraded to PADS4 Release 5 as well.
PADS Server	NEW: Graceful degradation period. If PADS Server detects a problem with your PADS software license, the software will no longer stops working with immediate effect, but instead we give you one week time for correcting the problem.
Desktop Viewers	NEW: New Active Directory integration capabilities to send messages to Windows users instead of Desktop Viewer PCs. Optionally, user authentication can take place via Single Sign-on through Windows authentication. New enhanced tracking options to know exactly what happens with the messages you distribute. PADS Desktop Viewer licenses has become concurrent licenses.
PADS Messenger	NEW: If you have configured your PADS system to use Active Directory, then an additional tab will appear in the destinations tree view enabling you to select an Active Directory user as destination.
PADS Messenger	NEW: The schedule options for messages have been extended with recurrence.
PADS Agent	NEW: In the Viewer connections window of PADS Agent the Desktop Viewer connections have been separated from the 'regular' Viewer connections.
PADS Agent	NEW: With PADS Agent you can centrally manage your TV channel list that will be shared across all users of your PADS signage network.
PADS System Mgt	NEW: Active Directory settings have been moved from the Server settings window to the Servers window and have been extended with filter options.
Documentation	Where necessary the PADS4 documentation has been adjusted to be up-to-date with the latest adjustments and new features.
Table element	When the Left position of an element in the table element was set by using a rule the top position was set to 0. A similar problem existed when the position was set via property bindings.
Interactive button	The 'Exit application' action of an interactive button didn't work.
PDF element	Several issues with alignment and reflection solved.
Flash element	The offset settings worked at design time, but not during playback.
TV element	The advanced TV element was not scaled when it was part of a presentation-in-page element.
PADS Scheduler	When a presentation was scheduled with yearly recurrence, the occurrences were not calculated properly by the system.
HTML5 Viewer	When a formatted text element was used to retrieve and display the date/time from an external database the system showed the local system time instead of the right time.
PADS Viewer	Using a database connection and data scrolling to display pictures could give a flickering effect during playback.
PADS Viewer	Using a combination of data scrolling and the option 'hold current scroll position' could case transition effects to be executed unnecessary or multiple times.
PADS Agent	Trying to adjust the server name settings from automatic to a manual server name resulted into an error message.

August 22nd 2014 (build version 4.4.5347)

Item	Description
Facebook data provider	NEW: New and extended features, including possibility to log on to a Facebook account to retrieve foto albums, posts etc from this account.
Flash element	NEW: Now possible to include separators with specific durations in playlist.
Video element	When using the video element to play a video stream (either directly or via a data provider) and the video stream was temporarily interrupted it never continued to play.
Table element	When using a rule to dynamically change the position of a row element, the rule was not executed correctly for the first table row.
Data providers	Clear data option of the data provider wizard didn't work correctly.
Data providers	The row limiter option didn't work for Facebook and Twitter data providers.
HTML5 Viewer	Timezone setting was not handled correctly.
HTML5 Viewer	When using date formatting the date was sometimes displayed in the wrong format.
HTML5 Viewer	Caching problem on Android systems solved.
Documentation	Several documentation updates.

August 1st 2014 (build version 4.4.5326)

Item	Description
Formatted Text Element & HTML5 Viewer	NEW: functionality to automatically show the date/time in the selected culture language.
Twitter data provider	NEW: Search function. Besides that a new (easier) way to setup a connection.
Data Server	When using more viewers which have a lot of data providers connected to the Data Server, the cpu load could go to 100%.
PADS Agent	Problem reading Content Library information with the Agent.
HTML5 Viewer	Problem with ladea player resulting in a white screen after start. This could occur when the device has no local cache storage.
HTML5 Viewer	Adjustments made for the Samsung SOC & Android regarding culture setting and gradient color.

July 18th 2014 (build version 4.4.5312)

Item	Description
Shape element	NEW: The property bindings collection of the shape element has been extended with the Angle property.
Designer	Paste function has been optimized to prevent unnecessary data refreshes and thus leading to an improved performance.
Designer	The data preview function for data providers did not automatically adjust the row height when the data contained multiple lines of text.
Designer	The backup data provider information was not loaded when editing an existing data provider.
Designer	Using the folder data provider it was not possible to connect to the root folder of the content library.
Server	If PADS was linked with Active Directory and the Active Directory only contained one user this resulted into a login error message.
Viewer	Start Windows (Windows 8) with a user account having only user rights (member of the Users user group). Next, run PADS Viewer with a user account having admin rights. After this the PADS Controller process continuously restarted and the system went into a loop.
Viewer	The move left/right and scroll left/right transition effects were mixed up.
Video element	It was not possible to dynamically adjust the volume settings (mute) of a video via a rule. Now this rule is evaluated each time a next video is started.
Video element	The border of the video element was not always drawn correctly when using play lists and the 'play once' option or the 'play once and show next page' option.
Video element	Handling of load errors has been improved.
Presentation in page element	When using a presentation-in-page element in combination with a play list and a data provider data updates were not received by the element.
Presentation in page element	Flash elements were not scaled when they were included in a presentation of a presentation-in-page element.
Table element	The table element could give a flickering effect when scrolling and updating the displayed data.
HTML5 Viewer	PADS Data server did not always deliver the correct real-time data.
HTML5 Viewer	Property bindings were not always executed.
Content Organizer	After selecting a presentation with a lot of data providers in the content library the application seemed to hang while creating a preview.
PADS Sys Mgt	The Options button was missing in the ribbon bar.

July 4th 2014 (build version 4.4.5298)

Item	Description
PADS Server	NEW: At startup PADS checks its system database and if the database got corrupted it will automatically be repaired.
Documentation	NEW: The SDK documentation has been extended with a sample demonstrating how proof-of-play information can be retrieved and written to an XML file.
Content Organizer	NEW: Various new features added and some issues solved.
General	If a content permission was defined to only synchronize a certain folder, then also other folders starting with the same name were synchronized.
Designer	Some issues with the print function solved.
Designer	The predefined colors list was disappeared after a table element was closed and reopened.
Designer	Add-on elements didn't get a correct name after execution of the paste function.
Designer	The presentation play list window sometimes showed the wrong calculated duration for a listed presentation.
Data providers	Using a presentation-in-page element with data providers could cause the data provider of the main presentation to be removed from PADS data server. As a result the presentation no longer received updates for the data.
Page rules	Page rules comparing dates with the 'Between' operator were not always correctly evaluated.
Picture element	If two consequent play list items contained the same image then the transition effect was not executed.
Picture element	Rules were executed before the transition effect instead of afterwards.
Video element	Durations that we supplied to the element by a data provider were not applied. Instead the system used the default duration.
Scrolling text elt	Issue with combination of rules and data scrolling solved. Font and foreground color are now evaluated per item, while other properties are only initially evaluated.
External application elt	Rules for external application elements didn't work.
System Mgt	After changing the server settings no warning was given to restart the PADS Server.
Viewer	Running a presentation that contained Flash without the Flash player being installed resulted into an exception error.
Viewer	When running PADS Viewer without automatic scaling and placing a web page element in your presentation with exactly the same size as the presentation, this resulted in a black bar to become visible on the right bottom corner.
Viewer	After adjusting a content permission it was possible that the synchronization .meta data on a Viewer got corrupted.
Viewer	Viewer reboot option for individual days was not executed properly.

June 13th 2014 (build version 4.4.5277)

Item	Description
Quividi data provider	NEW: Data provider to connect with Quividi Audience Measurement platform, providing accurate audience metrics.

June 6th 2014 (build version 4.4.5270)

Item	Description
Documentation	NEW: Documentation has been updated.
Exchange data provider	When the Public folder option of the Exchange data provider was chosen, the data provider didn't retrieve any column names.
Viewer	Using a rule pointing to another column in combination with an Access, SQL Server or SQL Compact data provider didn't work.
HTML5 Viewer	In some situations presentations were not updated (in combination with data providers).
Setup	Documentation files were installed into the wrong folder.

May 26th 2014 (build version 4.4.5259)

Item	Description
Chart element	Several issues solved and minor adjustments.
HTML5 Viewer	Picture element did not refresh conform the element refresh settings.

May 22th 2014 (build version 4.4.5255)

Item	Description
Twitter data provider	NEW: Adjusted mechanism for retrieval of twitter data. In the old situation the number of allowed calls to the twitter server was very limited which could result in a block of the twitter server. In the new situation you will need to create a twitter application account from which you can make the twitter calls.
Video element	Data provider with playlist that contains a separator did not overrule the default duration time with the value specified in the playlist.
HTML5 Viewer	When using more than one page in HTML5 viewer where only one is visible, will make the data provider to return the first record regardless if a different row is specified.
Element rule	Current element shows content from a data source. When 'other data starts with' rule becomes positive and I want to show a different (manual) playlist it is not displayed.
Web element	Internet Explorer emulator registry settings adjustments so that the web element uses the latest version of the Internet Explorer that is available.

May 16th 2014 (build version 4.4.5249)

Item	Description
Exchange data provider	NEW: period selection has more options for selection of a period based on the current time/date.
Setup	Russian setup showed the Arabic end user license agreement.
Designer	When using skewing for a presentation-in-page element, reflection no longer worked.
Designer	When clipping pages of a presentation in a presentation-in-page element, it could happen that the clipped presentation started at the wrong page.
Designer	The data provider wizard GUI style was slightly different when PADS Designer was started from PADS Scheduler.
Designer	Using the data provider wizard to connect to a Microsoft Excel file could give an exclusive locking error when the Excel file was opened in Microsoft Excel at the same time.
Designer	When copying a text element with a data provider and pasting it in a table element the system automatically created a new data provider.
Viewer	If a multi-page presentation contained a page element on one page with a playlist and the option 'Play once' was used, then it could happen that the playlist did not start again after the first presentation loop.

April 28th 2014 (build version 4.4.5231)

Item	Description
Data provider	Update for the xml data provider. Removing html tags while converting text could result in the process to get into a infinity read loop.

April 25th 2014 (build version 4.4.5228)

Item	Description
Help	Added HTML5 Viewer installation topic
Designer	Several issues solved with adjusting default settings of page elements in the options window of the Tools menu.
Designer	When working with multiple data providers, the preview button on the Data provider tab of the ribbon bar could show a preview of the wrong data provider.
Designer	No confirmation was asked when removing a data provider via the ribbon bar.
Interactive button	When the user chose to enter a combination key for an interactive button element and manually entered a key code, the entered value was not stored.
Data providers	RSS feeds are now by default expected to deliver UT8 format.
Data providers	Using the Test button in the Data Provider wizard to test a SQL Select statement always returned a positive result.
Data providers	With data providers of the type Content folder or FTP folder, the option to enter a custom file extension was always disabled.
Data providers	The OLE/DB data provider produced an error message.
Data providers	The text data provider allowed to select multiple delimiters instead of only one.
Data providers	Adjustment to the Exchange data provider to connect with room calendars.
Data providers	Text encoding adjustments to the Google Calendar data provider to better handle among others Turkish fonts.
Data providers	When using the data provider wizard to edit a filter the Column dropdown box was initially disabled
Scheduler	When working in PADS Designer via PADS Scheduler and losing the network connection, the system showed an error message behind the visible window. To the user this looked like a hang of the application.
Content synchronization	After removing a content category that was already assigned via a content permission to a destination or user group, the system contained an empty content permission. After this the system no longer synchronized any content at all.
Content synchronization	Having installed both PADS Server and PADS Designer on one single PC and using the computer name instead of 'localhost' to refer to the server could lead to synchronization issues. This situation is now automatically detected and handled.
Viewer	Page transition effects were not always played correctly when the effect duration was exactly equal to the page duration.
Viewer	The picture element didn't show a shadow or reflection when used in combination with maintain aspect ratio.
Viewer	Using a specific combination of rotation, maintain aspect ratio and alignment could cause images and videos to be wrongly positioned.
Viewer	The web element only played the first item of a YouTube playlist.
Viewer	Data scrolling didn't work when used in the header or footer of a table element.
Viewer	Transition effects of table elements were handled incorrectly when the table element was rotated.
Viewer	Using a folder content data provider in a presentation-in-page element didn't work.
Viewer	If PADS Viewer is unable to adjust the system date/time, the system no longer writes a message to the viewer log every 2 hours, but only once.
Viewer	If PADS Viewer is unable to adjust registry settings, the system no longer writes an error message to the viewer log for each setting, but instead generates only one warning message.
System Mgt	The function to withdraw a HTML5 Viewer license was always disabled.
System Mgt	The e-mail Test function in the server settings windows only worked when it was called twice.

April 7th 2014 (build version 4.4.5210)

Item	Description
SDK Documentation	NEW: SDK Documentation has been updated.
Designer	When creating a rule the list of available data providers was not sorted.
Data providers	For a Microsoft Access parameter query it was not possible to enter values for the parameters in the data provider wizard.
Data providers	When editing a SQL server data provider the previously selected View/Stored procedure was no longer selected. Various other issues with SQL server data providers solved.
Data providers	For several data provider types using the Browse function in the data provider wizard to browse the content library showed an empty content library.
Data providers	When copying a data provider, the copied data provider didn't get a user friendly name.
Shape element	The default duration of the transition effect was not set correctly.
Viewer	Presentations containing 2 data providers pointing to the same data source, but with different expression columns were not handled correctly during playback.
HTML5 Viewer	Alignment and positioning was not always consistent with other PADS Viewers.
HTML5 Viewer	Text style base line was not supported.
HTML5 Viewer	Several image element issues with rules, shadow, reflection and property bindings solved.
HTML5 Viewer	Several formatted text element issues solved, including issues with formatting, data scrolling, effects, reflection and prefix/suffix.
HTML5 Viewer	Property bindings of line element didn't work.
Agent	Remotely installing OTF fonts resulted into an error.
Sub Server	When server setup was selected during the installation of a Sub Server. The Sub Server wasn't able to synchronize content with the Main Server.
Table Element	The active rule wasn't applied after a page change.
Scrolling Text	You couldn't change the data provider in the scrolling text with a rule.
Scheduler/Messenger	When you were working in the Designer through the Scheduler or Messenger and it lost his connection, you weren't notified in the Designer.

March 21st 2014 (build version 4.4.5193)

Item	Description
General	The key combination [Ctrl] [Tab] was not properly handled by various PADS applications.
Designer	Element preview windows are now displayed behind the properties windows.
Designer	Results of the Zoom functions were not consistent.
Designer	Default Viewer name was not saved when preview window was in full screen mode.
Designer	Predefined colors were not saved for page elements being part of a table element and predefined color section in ribbon bar was not always updated.
Page elements	Reflection was not displayed properly when the 'Maintain aspect ratio' was set.
Data providers	The Exchange data provider only retrieved the first item, making it look like data scrolling was not working.
Data providers	Microsoft Excel Macro files (*.xlsm) were not supported.
Data providers	If the Youtube data provider was used to connect with a YouTube playlist, then the VideoWeb URL was not included in the result.
Data scrolling	When the option 'use play list options' was selected in combination with 'scroll once and show next page', the data scroll interval setting at page level was not ignored.
Rules	If 'System Date' was chosen as value with 'Month' as comparison method, then the value preview field showed the full date instead of only the month.
Rules	Some of the comparisons that could be entered could not be evaluated by PADS4, resulting in the rule to be skipped.
Content Library	Preview didn't work for *.tiff and *.jpeg files.
Agent	Selection of destinations was not stored when creating a Wake-on-LAN scheduled task.
HTML5 Viewer	Play once and go to next page option did no longer work.
HTML5 Viewer	Reflection of page elements was not displayed when the element was rotated and skewed.
HTML5 Viewer	Various shape element issues with reflection, shape, data scrolling, property binding, effects and rules solved.
Desktop Viewer	Scrolling text was not displayed if the presentation was scheduled as a popup message.
Converter	When converting a presentation from PADS 3.1 to PADS4 the presentation rules were not converted.

March 7th 2014 (build version 4.4.5179)

Item	Description
Interactive button	The background image of the interactive button was not displayed.
General	Adjustments in Russian texts.
Data providers	Editing a Microsoft Exchange data provider caused the data provider to switch to Exchange 2013 and to reset all provider settings.
Setup	Documentation was installed in the ..\Help\en folder instead of the ..\Help\en folder. Can be solved by installing an update of the documentation setup.

First new version PADS4 release 4

March 3rd 2014 (build version 4.4.5175)

Item	Description
Data providers	NEW: Social media data providers like Facebook, twitter, YouTube, Instagram, picasa, flickr and google+. Besides that new data providers like ftp folder, Media RSS, Json, Open Office, Google Calendar and Newmarket Delphi.
Agent	NEW: The PADS Agent application has been extended with alerts and 'multi-viewer' features like remotely changing program settings of PADS Viewers or viewing screen shots of all your viewers.
Agent	NEW: The collection of tasks that you can schedule with PADS Agent has been extended with some interesting new tasks. The Viewer Tasks now include a Restart Process task that you can use to restart the PADS Viewer process at a predefined time. The Server Tasks also have a Restart Process task. This can be used to restart the PADS Server process at a predefined time. The Alert Status Report task enables you to automatically generate a report about the incidents that have taken place in a certain period.
General	NEW: Modern Arabic language.
Add-On element	NEW: Page Selector Add-On. The page selector Add-On enables you to instantly switch between pages of your presentation on basis of triggers. By linking the page selector element to a text file and defining rules, you can define your own criteria and decide how your presentations should respond to it.
Designer	NEW: When designing you text content, you can now explicitly choose right-to-left text direction. This new option enables you to have a combination of left-to-right and right-to-left text, like Arabic and English.
System Management	NEW: The options for automatic creation of a Viewer and assigning a Viewer license have been extended with the option to automatically assign newly created Viewers to a predefined Viewer group. You can set individual default Viewer groups for Viewers, Desktop Viewers and HTML5 Viewers. New Viewer will automatically become a member of these groups when they connect to PADS Server for the very first time.
System Management	NEW: In the Servers management window you can set the properties of each individual server in your PADS installation. These settings have been extended with SMTP and Event Log settings. The settings that you specify here will determine how generated PADS Agent alerts will send e-mails and will write messages to the Windows event log.
Messenger	NEW: The read receipts features of the PADS Messenger application have been extended with an Export function, so you can process your read receipts with an external tool like Microsoft Excel.
DVD Add-On	NEW: The DVD Add-On element could already be used to played files from a fixed location. Now you can also use the element to play media files from your PADS content library.
Scheduler	The working of the Scheduler destinations tree view has been improved. Performance has been improved, refreshing of the listed items has been optimized and the behavior for collapsing items has been adjusted.
HTML5 Viewer	The PADS HTML5 Viewer has been further improved to be a good playback alternative for non-Windows devices like Android.
Server	The performance of PADS Server has been significantly improved, making the PADS4 software now even better suitable for large installations with 1000+ viewers.
Data providers	The possibilities to link your content to XML and/or RSS data sources have been improved. The XML/RSS data providers are now more flexible in accepting feeds that

	deviate from the official standard. They now use the standard UTF8 format in order to support diacritical signs.
Data providers	The Microsoft Exchange data provider has been updated. It now works with the new Office 2013 drivers and the retrieval of information has been accelerated.
Viewer	The viewer watchdog process to monitor the correct working of your PADS Viewer application has become a built-in process that runs fully automated. When the system detects a severe problem that is not solved it will automatically perform a restart of the viewer application.
Documentation	<p>The PADS System Management manual has been completely rewritten. It now contains a more detailed explanation of advanced features like permissions and content categories.</p> <p>Where necessary the PADS4 documentation has been adjusted to be up-to-date with the latest adjustments and new features.</p>

February 21st 2014 (build version 4.3.5164)

Item	Description
Content Organizer	NEW: The folder tree view now by default only expands the first level of sub folders.
Data providers	The folder content data provider didn't detect the files when a folder first contained files, then no files and then contained files again.
Text element	The bold functions in the ribbon bar and properties window didn't work as expected.
Video/sound element	Adding items to the playlist went wrong in some situations.
Shape element	The 'Hide when there is no content' setting didn't work.
Viewer	If PADS Viewer ran in full screen mode and the screen resolution was changed manually or by connecting another display, the PADS system didn't automatically detect this and therefore didn't adjust the resolution of the viewer window.
Web element	PADS automatically detects the size of your specified website, so you no longer have limitations with interactively clipping a website.
Chart element	The Chart scaled correctly in the preview, but not when played by PADS Viewer.

February 14th 2014 (build version 4.3.5157)

Item	Description
Interactive button element	The 'sort' action of the interactive button didn't work.
Table element	When using a scrolling text element in a table element the text stopped scrolling for the second and subsequent rows.
Viewer	Using a presentation playlist could lead to a memory leak and an increase of the number of handles.

February 7th 2014 (build version 4.3.5150)

Item	Description
RSS/XML Reader	Documents with empty namespace nodes added a ":" character in front of the column name.
Designer	Duration of some video formats was not displayed. These new formats have been added.
System management	Selection of group in the Destination Treeview adjustment to prevent Viewer selection.
Viewer	After closing the viewer options screen the background image kept the old size after a size change.
Web element	In case of an internal website error, the Web element would try to reload the site. The mechanism is adjusted to ignore internal website errors.
Web element	Reload mechanism adjusted after network failure. Some websites keep the isloading status even when they are finished loading content.

January 28th 2014 (build version 4.3.5141)

Item	Description
Agent	Destination tree view collapses after tab page change.
Agent	Scheduled tasks does not show the destinations to select.
Table element	Group by function can cause text to flicker with old value. This is also possible when scrolled data is displayed and the amount of data differs.
Designer	2x pressing the update button to update the schedule can cause an error message. This happens when the selected period in the scheduler is larger than a specific value and starts in the past.
Web element	When a network connection is dropped during runtime and a setting is specified to remove the page after a timeout period, the page is removed but not re-displayed when the network is re-established and the page is loaded again. This happens only when the web element is on a page that is always displayed. Page changes will properly reload the site, except when the web element is located on the master page.

January 24th 2014 (build version 4.3.5137)

Item	Description
General	Destination tree view has been improved and various issues solved.
Designer	When importing a master page the data providers were not imported.
Shape element	Reflection didn't work for shape elements.
Flash element	Various issues with positioning and scaling of Flash content solved.
Data providers	Proxy settings of RSS feed were ignored.
Scheduler	Using the weekly recurrence schedule option and selecting all days of the week resulted into an exception error after clicking OK.
Scheduler	When creating a schedule with weekly recurrence leaving out a weekday, the system miscalculated the period for generated schedule occurrences.
Scheduler	When using monthly recurrence with the second/third day option, the system picked the wrong day.
Viewer	The viewer log of a PADSXPRESS Viewer incorrectly showed a message, saying that certain elements were not supported.
Viewer	Interactive button on master page only worked once.
Viewer	Watchdog process did not take any action when Viewer was 'not responding'.
Agent	Issues solved and improvements for Alert Status Report as scheduled task.
Agent	Not possible to create a network connections alert to monitor only sub servers and no destinations.
Converter	When converting a presentation from PADS 3.1 SR1 to PADS4 the shadow of text elements was not converted properly
Converter	When converting from PADS 3.1 SR1 to PADS4 the background color of an interactive picture element was not converted.

January 16th 2014 (build version 4.3.5129)

Item	Description
Server	Performance improvements.
Viewer	When the watchdog function detected a problem that required a restart, the PADS Viewer application could be started twice.
Agent	Rerunning the Alert wizard for an existing alert definition could cause an exception error after clicking the Finish button.
Agent	Software update tasks scheduled with the Scheduled task wizard were not executed.
Picture element	Some images were no longer displayed after installation of build version 4.3.5106.
Video element	Possible handle leak with playback of certain video files has been prevented.
Data Providers	Some adjustments for better acceptance of RSS/XML feeds.
Data Providers	RSS/XML feeds now use standard UTF8 format in order to support diacritical signage.
Data Providers	When using presentations with Exchange data providers it was required to rerun the data provider wizard after installation of build version 4.3.5101, because calendar items were no longer recognized.
Data Providers	#MONITORNAME# parameter was no longer handled correctly after installation of build version 4.3.5101.

December 30th 2013 (build version 4.3.5112)

Item	Description
Agent	Update in Viewer Connections causes the Viewer tree view to reset.

December 24th 2013 (build version 4.3.5106)

Item	Description
Picture element	Adjustment made for images that contain a dpi setting <> 96. This could cause a handle leak. In the Designer application a memory consumption could be noticed that was only disposed when the application was closed.
Flash element	Flash element was invisible in windows 8 or windows 2012
Designer	Time updown control. Adjustment made for clearing the value.

December 19th 2013 (build version 4.3.5101)

Item	Description
Agent	NEW: Definition of Alerts to automatically monitor certain situations and be notified in case of any problem. Several ways to be notified including e-mail and alarm sounds.
Data providers	NEW: XML/RSS data providers are now more flexible in accepting feeds that deviate from the official standard. Also Media RSS feeds are accepted now.
Data providers	NEW: Microsoft Exchange data provider now works with the new Office 2013 drivers and the retrieval of information has been accelerated.
Viewer	NEW: The watchdog process to monitor the correct working of your PADS Viewer application has become a built-in process that runs fully automated.
Text directions	NEW: When designing your text content, you can now explicitly choose right-to-left text direction.
Messenger	NEW: Export function to export read receipts, so they can be processed with an external tool like Microsoft Excel.
General	NEW: Now possible to use network drives to refer to the location of the content library.
Designer	Changes to the font style were not saved correctly in some situations.
Designer	When browsing for picture files, files with a .TIFF extension were not listed.
Designer	After using Save As to save the presentation under another name, the tab header still showed the original presentation name.
Flash element	When using a playlist of flash files that started with an empty item, the second play list item was never started.
Web element	A property binding for the Visible property was not handled correctly when the 'Show Address Bar' option was checked.
Web element	Some web pages showed a scroll bar when running in screenshot mode.
Table element	Using a rule that changes the row property of an element in the row definition of the table element didn't work.
Table element	When using the table element in combination with a Microsoft Exchange data provider, the table sometimes only showed the first row in preview mode or when played by a viewer.
Interactive button element	The interactive button element didn't wait until an action was finished before accepting a next click. This could lead to unpredictable results.
Progress bar elt	It was not possible to choose a custom color as foreground color.
Viewer	Setting a property binding via a rule was not always processed in the right way.
Agent	The proof of play window of a Viewer never showed information.
System Mgt	A user could not be deleted when it was still linked to a schedule or a presentation.
Content library	The content library didn't accept multiple '.' notations in file names.
Content library	Under Windows 8 and Windows Server 2012 quickly changing the selection of presentations in the content organizer or content library browser could cause the application to crash with a ThreadAbortException.
License wizard	Offline activation didn't work in the Russian language version.
Documentation	Several manuals have been renewed and updated.

November 20th 2013 (build version 4.3.5072)

Item	Description
Viewer	It was possible when you changed the priority of a schedule in the scheduler, that the presentation stopped playing on the viewer.
HTML5 Viewer	The previous build (5067) had a corrupt version of the HTML5 Viewer, this has been corrected.

November 15th 2013 (build version 4.3.5067)

Item	Description
Viewer	NEW: The page expiration option (part of the presentation properties) now detects Windows activity including keyboard activity.
Viewer	Trying to start a third party application with the external application element caused an endless loop and high CPU usage, when the application could not be started or the application window could not be found.
Data providers	The folder data provider did not automatically include current date/time fields when the option to include these fields was check marked in the data provider wizard.
General	Minor adjustments to Russian texts.
HTML5 Viewer	Improvements to handling recurring schedules, page rules and presentation rules.

November 4th 2013 (build version 4.3.5056)

Item	Description
Content Organizer	The export function in the Content Organizer wasn't working. This has been fixed.
System Mgt	Since version 4.3.5046 some functions in the System Management weren't working properly. For example: the reassigning of licenses and removing users from user groups.
HTML5 Viewer	Improvements were made to the synchronization process of the HTML5 Viewer.

October 25th 2013 (build version 4.3.5046)

Item	Description
Table Element	Column width issue fixed if 'split into 2 columns' option was used.
Scheduler	Fixed issue with viewer that have an underscore in their name. Underscore wasn't shown in destination list.
Agent	Renaming of viewer with the Agent application caused an problem for the agent, this has been fixed.
Formatted Text	Cultures are now sorted.
Formatted Text	Improved handling of effects.
System Mgt	Fixed issue with specifying database location in server settings window
System Mgt	Fixed issues with context menu in destinations window.
Scheduler	Improved usage of scheduler for users with fewer rights.
Picture Element	You could receive an error message in the picture element when specifying a url as content. This has been fixed.
Rules	Rules that compared on date, could trigger even if it didn't meet the specified criteria.

October 11th 2013 (build version 4.3.5032)

Item	Description
HTML5 Viewer	NEW: HTML5 Viewer now supports all Fader, Scroller, Move Over and Book element transitions.
HTML5 Viewer	NEW: Improved support of mobile devices.
Server	Internal improvements to the Data Server.
Ext. application element	Interactive applications were not handled correctly by the external application page element.
Shape element	The fill color property was available in the list of property bindings but didn't work.
Agent	When scheduling a task for a system running 2 Viewer applications the task results could not be retrieved due to internal conflict.

October 4th 2013 (build version 4.3.5025)

Item	Description
Viewer	The Viewer application always synchronized its time with PADS Server, no matter how the viewer setting for this was set.
Viewer	If a Viewer had lost its network connection then after midnight the Viewer stopped showing the scheduled presentations.
Page elements	Using a combination of data scrolling and property bindings could lead to problems.
Agent	When selecting the 'Scheduled Presentations' category the displayed information didn't show the presentation name.
Scheduler	When choosing 'New Presentation' to open PADS Designer then after returning to PADS Scheduler all schedules were gone until the application window was resized.
Web element	Interactively changing the internal position settings of a web page caused an error message.
Formatted Text element	The countdown ticker didn't count down accurately enough.
Designer	When manually changing the page duration in the page properties window, the OK and Apply button were not enabled.
Web element	The internal process to host the websites of the web element could cause serious problems during playback of PADS presentations.

September 30th 2013 (build version 4.3.5021)

Item	Description
Viewer	NEW: Watchdog function to automatically restart the Viewer process when the application no longer responds.
HTML5 Viewer	NEW: Right click shows popup menu.
HTML5 Viewer	Various issues solved.
Rich Text element	Several adjustments to improve the working of the editor.
Server	Agent tasks were not automatically removed after the specified interval.
Scheduler	It was not possible to create a recurring schedule for a full day (from 0:00 until 0:000).
Scheduler	Editing an occurrence of a recurring schedule produced an error.

September 18th 2013 (build version 4.3.5009)

Item	Description
HTML5 Viewer	HTML5 Basic Viewer could not log on to PADS Server.

First new version PADS4 release 3

September 17th 2013 (PADS4 release 3, build version 4.3.5008)

Item	Description
Messenger	NEW: PADS Messenger application, to schedule PADS presentations as a message for PADS Desktop Viewers.
Desktop Viewer	NEW: PADS Desktop Viewer application for playback of PADS presentations via screen saver or as desktop alert. PADS presentations that have been scheduled with PADS Messenger can also be viewed manually through the inbox window.
Read Receipts	NEW: Possibility to ask for a read receipt when scheduling a presentation as a message with PADS Messenger.
HTML5 Viewer	NEW: Complete new application for playback of PADS presentations in a platform independent Internet browser environment.
Rich text element	NEW: Powerful new page element to include any kind of enriched text in your presentation.
Intel AIM	NEW: Intel AIM data provider to collect audience recognition information from a camera.
Server	NEW: PADS Server enhancements to support Desktop Viewer and HTML5 Viewers.
System Mgt	NEW: The System Management application contains various adjustments to fully support Desktop Viewers and HTML5 Viewers.
Agent	NEW: The viewer connections window has been enhanced to include Desktop Viewers and HTML5 Viewers.
Setup	NEW: Setup now includes PADS Messenger and PADS Desktop Viewer.
Setup	NEW: Command line parameters to specify which components need to be installed by the setup or to pass through configuration settings to the setup.
General	NEW: GUI now also available in Russian language.
System Mgt	Making a zone viewer a member of one or more groups when adding the zone viewer resulted in an error message.
General	Port numbers lower than 2000 were not accepted.

September 6th 2013 (build version 4.2.4997)

Item	Description
Scheduler	Each call to the 'Schedule Wizard' or 'Edit Schedule' function made the application considerably slower.
Scheduler	Removing the recurrence of a recurring schedule with no end date caused an exception error.
Zone Viewer	After a Viewer reboot it was possible that a zone Viewer did not update its schedule.

August 30th 2013 (build version 4.2.4990)

Item	Description
Web element	The web element always switched back to Internet Explorer 7 mode causing all kind of problems with playback of content. In the new situation the web element always uses the latest Internet Explorer version that has been installed.

August 9th 2013 (build version 4.2.4969)

Item	Description
Progress bar elt	NEW: Rotation properties added to the progress bar element.
Designer	When importing multiple pages of a presentation sharing the same data provider, a separate data provider was created for each page.
Viewer	After copying a presentation, adjusting the data provider in the copied presentation and next scheduling a playlist with both presentations, the PADS system did not recognize the second data provider during playback.
Exchange data provider	Using multiple Exchange data providers having different credentials within the same PADS presentation went wrong.
Controller	In some situations PADS Controller was unable to determine the MAC address of the Viewer PC. This could lead to the error 'MAC address of controller not known' on the PADS Server.
General	Objects and threads were not properly managed by PADS4 applications. This could lead to errors like 'Not enough memory to process this command'.

July 12th 2013 (build version 4.2.4941)

Item	Description
Presentation in Page element	Stretching of a presentation in page element could result in an invalid size displayed. The skew option in combination with other options could cause an invalid region displayed.
DVD Add-on	NEW: German language added.
Designer preview	Start preview from a page different than the first page is ignored by the Designer application.

July 8th 2013 (build version 4.2.4938)

Item	Description
Text Data provider	NEW: Skip number of rows when the actual data is not directly in the first line. Besides that improvement for handling column information.
Exchange data provider	NEW: RequiredAttendees, OptionalAttendees and Resources columns added.
Data provider	Stored procedure problem with parameter fixed.
Interactive button	'Scroll up' default amount contained a value of 0 which is not allowed.
Interactive button	Interactive filter did not work properly for dynamic sort and filter option.
External application	Improved Window search mechanism implemented.
Page	Property binding were not updated after pager change.
Data Server	Improved error messages towards viewers.
Presentation Playlist	When a presentation playlist is scheduled and both presentations contain the same data providers and the number of rows used, is different. The wrong amount of rows where provided.
Page rule	Page rules that hide the actual page in a presentation playlist where no visible pages were left, could increase memory usage and force closing of the viewer application.
Flash element	Scaling page in Designer showed improper flash element size.
Flash element	Flash element in master page inside a presentation playlist could force a black container to be displayed when the next presentation was shown.

June 19th 2013 (build version 4.2.4918)

Item	Description
Server	NEW: Internal working of PADS Server has been adjusted for improved performance and reliability.
Designer	NEW: The property binding settings of the picture element have been extended with the Angle property.
Data provider	NEW: The folder data provider now also returns a column with the filename excluding the path and excluding the filename extension.
Data provider	NEW: Text file data provider has been extended with an option to skip lines with column information.
Data provider	NEW: 'Skip first x rows' setting has been moved to the filters page to become available to all data providers.
Synchronization	Manually deleting the meta data file on the client could lead to problems.
System Mgt	Server license assignment window showed 'To User' instead of 'To Server' as label.
Viewer	Handling of external windows by the External application element has been improved.
Viewer	'Scroll data page up' and 'Scroll data up' actions of the interactive button element were mixed up.
Viewer	Improved support of multi-line values in play list structures provided by a data provider.
Viewer	Scroll option property binding setting of the picture element didn't work.
Designer	After selecting 'Move Down' as transition effect for a playlist item, the system showed 'No transition' as selected value.
Data provider	The application of a filter on an Exchange data provider sometimes returned the wrong result.

June 7th 2013 (build version 4.2.4906)

Item	Description
Server/Viewer	Viewers showing real-time data collected by PADS Data server, sometimes no longer received data updates after a short network failure. To solve this problem both the PADS Server and PADS Viewer software needs to be updated.
Server	The situation described above could lead to increased memory usage by PADS Data Server.

May 31th 2013 (build version 4.2.4899)

Item	Description
System Mgt	NEW: Reset password function to change the password of existing users.
System Mgt	NEW: Generate password function to automatically generate secure passwords.
Designer	NEW: Row property of the property binding settings now accepts values up to 99,999.
Web element	NEW: The proxy server settings for web elements have been extended. Now it's possible to explicitly specify the server address and port number of your proxy server.
Setup	After a clean setup the black box server setting referred to 'Blackbox.sdf' instead of 'ServerBlackbox.sdf'. This could lead to error messages in the logs, because of both PADS Server and PADS Viewer trying to write to the same black box file.
Server	Issue with automatic reassigning licenses to users and/or viewers with expired licenses solved.
System Mgt	If port sharing was switched off in the server settings window and next the server port number was changed, then the data server and synchronization server port number fields were not updated. This had no consequences, but could lead to confusion.
System Mgt	After performing a reactivation through the license wizard, some overviews and functions of the system management application still showed the old license situation until the PADS Server was restarted.
System Mgt	When the selection of destinations was adjusted in the Data Permissions window the OK button was not automatically enabled.
Designer	Calling the Edit Row function of a table element caused a memory leak of 20 MB each time this function was called.
Viewer	If a presentation used a data provider as well as a backup data provider both using the PADS data server, then the system did not automatically switch to the backup data provider when the primary data provider could not deliver the requested real-time data.

May 24th 2013 (build version 4.2.4892)

Item	Description
General	NEW: All key PADS4 applications now have the possibility to specify command line parameters. With /f you can specify the folder that contains the .XML files with program settings to be used.
Designer	NEW: Now possible to directly click OK or Apply when editing play lists, without first having to leave the cell being edited.
Designer/Viewer	NEW: Loading of presentations has been improved. Presentations, pages and elements (especially table elements) now load significantly faster.
Viewer	NEW: Now it's allowed everywhere to use spaces in the Viewer names.
Setup	Updating from PADS 4 Release 1 to PADS4 Release 2 through the Software Update Wizard went wrong, because the wizard didn't automatically install the Microsoft .NET framework version 4.5.
Viewer	Using presentation-in-page elements could cause a memory leak.
Viewer	If an element rule was defined for a picture element to adjust the position when there was no content, the rule was not executed properly.
Viewer	The formatted text element didn't show the right current page number, when the element was placed on the master page of a presentation.
Viewer	When the presentation contained a presentation-in-page element and for both the pip element and the main presentation keyboard navigation (as part of the interactivity features) was switched on, then the pip element caused the main presentation to hang.
Viewer	Presentations that were scheduled with a recurring schedule sometimes kept playing when the scheduled end time was reached.
Advanced TV elt	The tuner, crossbar and capture settings for analog TV input were not saved.
Formatted text element	The formatted text element didn't support data providers delivering data of the datetimeoffset type.
Formatted text element	After settings the culture for a custom date/time field, the culture option was grayed out and could no longer be modified.
Documentation	Minor documentation adjustments.

May 3rd 2013 (build version 4.2.4871)

Item	Description
System Mgt	Using a 'schedule to destination' permission did not work without having a 'priority level' permission. To apply the solution in this new build version, the existing permission needs to be removed and recreated.
Advanced TV	The playlist export function of the advanced television add-on didn't work.
Designer	Property bindings were not copied when copying page elements from one presentation to another.
License wizard	The German version the license wizard applied the wrong filter when browsing for files in the offline activation file dialog box.

April 19th 2013 (build version 4.2.4856)

Item	Description
General	NEW: Double clicking a connection item in the manage connections window of the PADS applications now performs a connect/disconnect.
Designer	NEW: A * character in the tab header of a presentation indicates that the presentation contains changes that have not been saved yet.
System Mgt	NEW: In the Access permission properties window, now also the PADS Designer, PADS Scheduler and PADS Agent application are listed.
Agent	Changing the synchronization settings of a Viewer resulted into an error message.
Viewer	Background image of PADS Viewer sometimes became visible during presentation or page transitions.
Viewer	Data connected scrolling text elements that were used within a table element sometimes didn't scroll.
Documentation	Installation manual contained the wrong minimal OS requirements for PADS4 Release 2.
Viewer	Element rules were not always executed for individual play list items, but only when the end of the play list was reached.
Designer	Rules by default didn't retrieve all rows of a data provider, making it impossible to define a rule for other rows than row 1.
Viewer	Scheduled presentations were not always properly played by the zone viewer element.
Designer	Data provider settings of the ODATA data provider were not properly saved.
Viewer	Sporadically the table element could display text elements of different rows on top of each other.
Viewer	Using property binding to change the data provider of an element in combination with data scrolling only showed the first row.
System Mgt	Opening the permission properties window for an existing data permission showed the wrong priority level value.
Viewer	Formatted text element used the wrong time formatting when using a rule to change the data provider.
Setup	Documentation was installed in the ..\Help\en\en folder instead of the ..\Help\en folder. Can be solved by installing an update of the documentation setup.
Table element	Using interactive buttons inside a table element didn't work.
Designer	The function for saving a static table didn't support saving to the PADS content library.
Agent	Monitor status in proof of play log always showed the value 'ON'. In the new situation the PADS system tries to detect the sleep mode of the display and stores the right monitor status in the proof of play log as well as the viewer log. Power on/off of the display is not detected by PADS4.

March 29th 2013 (build version 4.2.4836)

Item	Description
Viewer	NEW: Option in setup and Viewer settings to have the operating system automatically switch to the Windows Desktop mode (especially for Windows 8).
Viewer	NEW: Option in Viewer settings to enable/disable UAC.
Viewer	NEW: Run As settings to run the PADS Viewer application as another user with different permissions.
General	Improvements to the French translations.
General	The domain section of the connection properties window showed an empty dropdown box instead of a text box for entering the domain name.
Content Organizer	Some adjustments for importing, copying/pasting or dragging-and-dropping files and/or folders.
Scheduler	The edit occurrence window showed seconds for the scheduled times, even when the application settings said that the minimal scheduling unit was 1 minute.
Agent	The Scheduled Task wizard sometimes switched to the wrong page when clicking the Back button.
Designer	Right clicking a page element in the elements window could change the display order of the elements.
Designer	Entering clipping values for PDF documents has been improved.
Documentation	Various adjustments to the documentation, including additions about the new/updated content synchronization features.



March 22nd 2013 (build version 4.2.4829)

Item	Description
Server	NEW: Besides the Viewer, the server now also contains a black box with important information about the system.
Agent	NEW: The server tab now contains a 'Synchronization queue' item that can be used to view detailed information about the running content synchronization processes.
Synchronization	NEW: The synchronization functions in the ribbon bar of PADS Designer and PADS Scheduler have been enhanced. As a user you can now always Click the Show Progress button to check the status and log of the synchronization process.
Synchronization	NEW: The Synchronize Now button in the ribbon bar of PADS Designer and PADS Scheduler can now always be used to force synchronization, even when the synchronization has been configured to run automatically.
Designer	NEW: The options window contains a new option to set the default visibility of the ruler.
Content Organizer	The application entered the 'not responding' state when importing a large folder.
Data providers	Microsoft Access Union queries were not recognized.
Rule	Adjustment to the 'Other data scroll' rule.
Viewer	Expression columns of data providers were not processed correctly.
Data provider	When running the data provider wizard for an Excel data provider, the Browse button for files was always disabled after selecting the content library option.
Viewer	Viewer settings window didn't allow using @ and '.' in Viewer names.
Data provider	Excel data provider no longer based on ODBC, because this didn't support the 'first row contains column information' option.
Conversion	When converting a PADS 3.1 presentation to PADS4, the internal web page position of a web element got lost.
Shape element	Using a rule to change the visibility in combination with data scrolling didn't work correctly.
Shape element	Changing the background via a rule was not handled properly when transition effects were applied as well.
Designer	The file browse dialog box of the web element didn't shows *.pptx files.
Designer	Elements moved outside the presentation area could not be moved back again.
Designer	Duplicating presentation rules went wrong.
Content Organizer	Several issues solved.
Zone Viewer	Unknown zone viewers were not automatically added by the system during playback by PADS Viewer. When previewing a presentation in PADS Designer the system now no longer supports automatic addition of zone viewers.
Web element	Clipping of a website was not always done properly by the web element.
Picture element	Memory leak that occurred in some situations solved.
Viewer	The synchronization status progress bar always showed a value of 100%.
Synchronization	Improved handling of a situation where the meta data file with information about the content library structured got corrupted.
Synchronization	In a conflict situation with an unknown item the content synchronization process showed a 'not implemented' error.
Viewer	Using recurring schedules could cause PADS Viewer to leak memory.
Data provider	Several data providers (e.g. text file) didn't have the possibility to specify a username and password for authentication.
Synchronization	When zipping files in the content library, they were not uploaded to the server with the correct (zip) file name.
Designer	Video elements didn't always show the first frame of the (first) video.
Content Organizer	The application sometimes gave an error message 'The process cannot access the file [name] because it is being used by another process'.
Designer	When overwriting an existing file in the PADS content library, the system didn't ask for a confirmation.
Designer	Selecting multiple page elements and changing a property could cause other properties to be adjusted as well.
Video element	Improvements for smoothly playback of clipped videos.
Viewer	Log message 'No presentations scheduled' adjusted when it concerns a zone viewer.

March 4th 2013 (build version 4.2.4811)

Item	Description
PADS Agent	Since the last version (4.2.4808) the PADS Agent gave an error at the start of the application.

March 1st 2013 (build version 4.2.4808)

Item	Description
PADS Controller	Proof of play folder was not created at start for the Viewer.
Designer	"Synchronize now" gives an empty message when the pads controller is not started.
Designer	Show playlist window option in designer options window was not saved.
Designer	Rule window option "other column" does not show the actual columns.
Designer	Nano time section of time control does not react on the numeric keypad.
Designer	Opening Content Organizer from the Designer opens the first connection, not the current active connection.
Designer	Connection window did not always get the focus.
Designer	Text element reflection and autosize shows an improper size of the reflection.
Data provider	SQL Server stored procedures without parameters shows empty scrollbar.
Viewer	Monitor standby option failed in some circumstances.
TV Add On	Properties window is empty.

First new version PADS4 release 2

February 26th 2013 (PADS4 release 2, build version 4.2.4805)

Item	Description
General	NEW: Based on the newest Microsoft .NET Framework 4.5 (instead of version 4.0). This framework version is automatically downloaded and installed by the setup.
Server	NEW: In addition to a main server, you can now define sub servers and backup servers to your installation to create a fully scalable solution.
Active directory	NEW: Active directory integration to centrally manage your PADS users in Microsoft Active Directory.
Proof of play	NEW: Collecting, viewing and exporting proof of play information to proof playback of content.
QR code element	NEW: QR code element to include matrix bar codes in your presentations.
Presentation in page element	NEW: Possibility to scale and align the presentations that play within the presentation in page element.
Designer	NEW: Improved detection of add-on elements.
Viewer	NEW: Hardware/software rendering has become a configurable option, same as the animation frame rate.
System Mgt	NEW: Full support of multiple servers, Active Directory and proof of play.
System Mgt	NEW: Automatic license assignment options for servers and viewers.
System Mgt	NEW: Removal options extended with options to automatically remove finished tasks.
Agent	NEW: Full support of multiple servers, Active Directory and proof of play.
Agent	NEW: Possibility to save screenshots.
Agent	NEW: Viewer connections window has been extended with a function to save the black box of a PADS Viewer.
Designer	MS Exchange Dataprovider period filters adjustment for time input field.
Dataprovider	MS Exchange Dataprovider "organizer" field added.
Dataprovider	MS Exchange Improvement of reading database content in data provider wizard.
Dataprovider	Proxy setting portnumber added for XML and RSS feed
Dataprovider	SQL Server Dataprovider stored procedure and parameter field always returns the default value. The Parameter name was not stored properly. You will need to open the data provider wizard and walk through the pages to the page where the parameter is filled in and re-enter the values. After the provider is saved the new parameter is stored correct.
Rule	Rule based on system time and time from excel sheet failed. Time returned from excel contains date information which must be ignored.
Interactive Button	Alignment of text was not correct when center or right align was selected.
Designer	When the Video Element clipping is enabled, and the properties window is opened. When you press the ok button, the duration value is set back to the duration of the video.

February 15th 2013 (build version 4.1.4794)

Item	Description
Viewer	Play once and go to next page property of a video element didn't work when the video was part of a presentation that was used in a presentation-in-page element.
Data providers	Entering invalid credentials for a WMI data provider was not handled correctly.
Setup	The setup of build version 4.1.4786 installed to the wrong target folder (Program Files (x86) on 64-bit systems).
Synchronization	When more than 1,000 items were added/adjusted and needed to be synchronized at once, only the first 1,000 items were synchronized.
Synchronization	Synchronization rename issue with lower and upper cases in file paths solved.
Synchronization	When the metadata of the content library has become corrupt, the system now performs a full sync to repair it.

February 7th 2013 (build version 4.1.4786)

Item	Description
Viewer	When using a play list of presentations, then during playback the Viewer sometimes did not switch to the next presentation in the play list.
Viewer	Data scrolling issue when switching to the next page solved.
Text element	When using a combination of 'Play once' and 'Play using page alternate interval' the element only showed the first play list item.
Agent	It was not possible to see the content files in the root folder of the content library.
General	Dropdown context menu at the right top corner of the active document window adjusted to display a list of opened document windows in various PADS applications.

February 5th 2013 (build version 4.1.4784)

Item	Description
Server	Timeout to wait for port sharing service to respond during startup has been increased.
Data provider	Parameters of stored procedures were not saved.
Designer	Using the 'select all' option in the Import Page wizard caused the application to hang.
Viewer	In some situations where switching videos and switching pages took place at the same time, the system could go into a loop.
Viewer	Switch off monitor-setting had no effect.
Web element	NEW: Now possible to define proxy settings for a web element.

January 30th 2013 (build version 4.1.4778)

Item	Description
Content Organizer	Added "overwrite all" option when more files are copied to a location where they already exist. In the old situation you would have to select yes for each file.
Designer	Formatted Text Countdown property short time/manual adjusted to show the right value when the properties screen is shown.
Interactive Button	Text wrapping was not supported properly.
Viewer	Viewer rename function added a log message that the rename was not done.
Data provider	Added functionality to the text data provider to prevent problems when more than 1 column has the same name specified in the txt/csv file.
Controller	Network without DNS Server resulted in controller not able to find the server PC

January 25th 2013 (build version 4.1.4773)

Item	Description
Agent	NEW: System information of a Viewer can now also be retrieved when PADS Viewer is offline, but PADS Controller is still running.
Controller	NEW: A virtual black box is created (in memory) when the system doesn't have permissions to create a black box file. This way it's still possible to collect black box information about the running processes.
Synchronization	NEW: Log messages of the synchronization process have been improved.
Synchronization	The synchronization process could generate an error message 'Object graph is null', because of a timing issue. This had no effect on the working of the sync process.
Synchronization	Various issues solved with renaming folders and files in the PADS content library. This includes possible conflicts with upper and lower case characters.
Synchronization	In specific situations with over 1,000 content files, conflicts in the synchronization process could lead to a 'Synchronization failed' error message, although the conflict was handled properly.
Synchronization	Moving files in the content library while the automatic content synchronization process was running could cause certain files to be deleted instead of moved.
Controller	Unless PADS Controller was started before once with Administrator rights, starting the process with a user account having limited rights caused the controller process to crash.
Controller	Starting PADS Controller without the existence of an XML file with program settings led to a deadlock situation. This could happen for instance when only PADS Designer/Scheduler and no PADS Viewer was installed.
Content Organizer	When copying files from one content library folder to another the files sometimes ended up in the wrong folder.
Setup	In the German setup wizard, the French End-user license agreement was shown.

January 18th 2013 (build version 4.1.4766)

Item	Description
Synchronization	The 'Maximum number of concurrent sessions' server setting was ignored by the content synchronization process. Therefore all clients were synchronizing at the same time, making the synchronization process to seem very slow.
Server	Trying to logon with a user account that was not a member of any user group caused an error message.
Designer	Available data scrolling properties of the scrolling text element adjusted for situations where the scrolling text element is used inside the row of a table element.
Scheduler	When working with multiple server connections, copying a schedule from one server and pasting it to another server resulted in an error message.
Scheduler	Adjustments to prevent an exception error when the Edit Schedule function is called.
Content Organizer	Renaming a file showed a temporary file which was only removed after a refresh.

January 11th 2013 (build version 4.1.4759)

Item	Description
General	License activation mechanism for virtual systems improved. NOTE: By installing this build version your existing <u>virtual</u> activation might become invalid. If this is the case, please contact us to allow reactivation.
General	License activation mechanism has been improved. NOTE: By installing this build version your existing viewer activations might become invalid. In the View log you will see an error message 'The viewer has been activated on another system or the system hardware has been changed'. If this is the case, please use the PADS System Management application to withdraw the Viewer licenses. Next, the Viewer licenses can be reassigned, either automatically or manually.
General	NEW: Improved error messages for PADS Server, PADS Controller and PADS Viewer.
Controller	The logon process could cause an error when the PADS server process was starting up and not ready yet to accept calls.
Controller	NEW: Information messages about the controller process are now written to the viewer log.
Server	Logon process for PADS Controller has been adjusted to prevent problems on 1-core Viewer PCs.
Designer	(German version only) When using the file open dialog to browse for a presentation, the filters were incorrect. As a result pads files pads presentation files were not displayed.
Designer	NEW: It's now possible in the presentation properties window to select multiple pages and remove them at once.
Designer	In the presentation properties window you needed to click twice in the table cell to change the visibility or effect of a page.
Designer	When editing an OData data provider the existing manual data source value was not retrieved properly.
Designer	(Display) order button in the ribbon bar was not always properly enabled/disabled.
License wizard	(French version only) Retrieving license information from the activation server could result in an exception error.
Scheduler/ System Mgt	The close button in the connection management window was disabled when there was no connection.
General	Layout of the server column in the server search window has been adjusted.
Designer	The Arrange group of the Elements ribbon menu contained an irrelevant dialog box launcher (right bottom corner).
Designer	When selecting Other Column in the rule editor window, the dropdown list remained empty.
Designer	Minor adjustments to the 'book' transition effects and the move up effect.
Data providers	UserID and Password input fields were not enabled after selecting 'Authorization required' for a WMI data provider.
Designer	When choosing 'Media files' as file type in the file open dialog box, .mov files were not included.

December 22nd 2012 (build version 4.1.4739)

Item	Description
Controller	The timeout setting for setting up a connection with PADS Server has been adjusted to prevent problems in situations where PADS Controller cannot connect within 5 seconds.

December 21st 2012 (build version 4.1.4738)

Item	Description
Controller	Saving log messages could cause the controller process to go into a loop and crash.
Video element	The system did not automatically recover after a network failure for more than 5 minutes during playback of a streaming video.
Agent	When retrieving information about a second data provider went wrong the information of the first data provider remained visible.
Designer	The number of rows input field of the scrolling text element was not enabled after selecting the number of rows option.
Designer	OK and Apply buttons were not enabled after clearing the background picture value (picture from content library) in the page properties window.
Data providers	The text file data provider did not properly handle special characters like: ÅÄÖääö.
Data providers	When editing an OData data provider in the data provider wizard of PADS Designer, the manual data source value showed a different value than was entered while creating the data provider
Viewer	The viewer reboot time setting was not properly saved to the settings XML file.

December 10th 2012 (build version 4.1.4727)

Item	Description
Agent	NEW: Dutch, German and French localized versions of the PADS Agent application.
Synchronization	The synchronization process didn't properly handle read-only files. These files were repeatedly synchronized and could not be removed.
Video element	Performance adjustments.
Scheduler	When working with multiple PADS Servers connections at the same time, the application only automatically received updates for one of the connections.
Data providers	The time it takes to validate specified Exchange server connection settings when clicking the next button in the data provider wizard has been significantly reduced.
Designer	Performance of the Refresh Data function has been significantly improved. Also, now the mouse cursor changes into an hourglass while refreshing.
Viewer	When choosing 'All Days' in the reboot options section, the setting was not always saved.
Designer	When opening or refreshing a presentation the data server setting of data providers was ignored and data was always retrieved directly.
Formatted Text element	The element didn't align properly when the 'Automatic adjustment of font size' option was enabled.
Data providers	Some connection strings that worked in PADS 3.1 SR1 were not accepted by PADS4.
Viewer	In particular situations data providers were not removed when switching between presentations. This could lead to an increased memory, handle and cpu usage.
Rules	With presentation and page rules it was not possible to compare with a constant value.
Viewer	Viewer log showed some internal error messages that shouldn't be logged, like 'Cannot Access a disposed object'.
Viewer	A black bar was shown in the presentation-in-page element.
Viewer	Saving support information didn't allow you to overwrite an existing file.
Viewer	The viewer background color was first displayed in white before switching to the predefined background color.
Viewer	Software update window appeared behind the Viewer window when the viewer option 'Always on top' was checked.
Viewer	The viewer password setting seemed to be lost when reopening the viewer options window, but the password was still used internally by the system.
Viewer	The Dutch localized version still had some English words in the options window.
Scheduler	After problems with the logon the system sometimes gave the error message 'Cannot have nested BeginInit calls on the same instance'.
Converter	The Column property of data providers was not converted properly from PADS 3.1 to PADS4.
Designer	Colors of the table element were mixed up after copying/pasting a page element.
Designer	Default presentation size and style settings were not saved when not clicking the Apply button.
Shape element	Move over transition effect didn't work as expected.
Viewer	Viewer name cannot contain '/' characters, but this was not properly checked.
Designer	In the web page offset window the cursor remained visible as an hourglass when the web site couldn't be loaded.

November 16th 2012 (build version 4.1.4703)

Item	Description
Designer	Ribbon bar items 'Spacing horizontal' and 'Spacing vertical' both had the same icon.
Designer	Clear Page function on the Page tab of the ribbon bar was not always enabled.
Agent	Various items in the navigation bar showed a tooltip with the text 'TooltipDescription' when the mouse was positioned above the item for a longer period of time.
Designer	Font color button in the ribbon bar didn't show the colors in the dropdown list when clicked.
Converter	File paths were not adjusted correctly when importing files into the content library as part of the PADS 3.1 to PADS4 conversion process.
Content Organizer	Dragging-and-dropping files from the content organizer window to the PADS Designer window did not always work correctly.
Converter	Rule that changed the visible property of an element was not converted correctly from PADS 3.1 to PADS4.
Designer	Some issues with the add-on elements toolbox solved.
Designer	Image preview in the separator section of the scrolling text properties window didn't always show a preview.
Designer	'Show this page when no rule is active' option was enabled even when there were no rules defined.
Designer	When the size of the row of the table element was reduced a black bar was shown.
Designer	Switching on 'interactivity' for a web page element running in 'screenshot mode' is not supported and has been disabled.
Designer	A data link was always accepted as being correct, when a data server was used.
Formatted text element	The 'total number of pages' option always returned the value '0'.
Table element	Group by properties of table element didn't work as expected.
Synchronization	The timestamp information in the synchronization log was not correctly generated.
Synchronization	Synchronization status percentage bar in the viewer options window was not updated. The bar shows a value of 100%, while the synchronization process is still in progress.
Synchronization	Error message adjusted for situations where the server or client process was stopped or a temporary network failure occurred.
Data Providers	Connecting to a Microsoft SQL Server database via ODBC resulted in an error message.
Data Providers	Microsoft Excel data provider now internally uses the Office 2010 ODBC drivers to prevent memory leak problems.
Content Organizer	Clipboard functions didn't work properly.
Content Organizer	When a file was removed from a content library folder, the file was still visible in the content organizer until the user manually called the refresh function.
Table element	The data scrolling of the scrolling text element didn't scroll in sync with other elements when used in the row of a table element.
Designer	When a page element is used in the row of a table element, certain scroll options were not allowed and have now been disabled.
Designer	'/' character was not accepted in column names of a data provider.
Designer	Page thumbnails were not immediately updated after changing the background color of a master page.

November 9th 2012 (build version 4.1.4696)

Item	Description
Agent	NEW: Agent documentation available.
Scheduler	Logon window showed the last known user name and password after being disconnected from the server, irrespective of the settings for saving the credentials.
Designer	Ascending, Descending and Reset All buttons in Edit sorting window of data provider wizard didn't respond.
Scheduler	Deleting a viewer with allocated schedules in the System Management application while the Scheduler application was running, caused an error message in the Scheduler application.
Scheduler	NEW: Application will notify the user when the destination of an active window is removed by another user.
Designer	Adjusting the brightness and/or contrast of a picture element also changed the transparency of the picture.
Designer	Value dropdown list of a presentation rule contained values that were only applicable to page elements (like current data).
Designer	When working on multiple presentations at the same time, the data providers window showed the data providers of all presentations together instead of only the active pres.
Pres-in-page elt	The data provider settings of the presentation-in-page element didn't work.
Designer	The input fields for the presentation/page/element name reacted unexpectedly when entering a name that already existed.
Designer	Selecting a data source of an ODBC data provider sometimes resulted into an error (like with MySQL).
Designer	The grab or rotation handles of a page element could become invisible after resizing or rotating the element.
Viewer	Property binding value changes were not applied real-time, but only after a page change.
PDF element	Play once and go to next page setting of the PDF element didn't work.
Content Library	The content library browser didn't show any files when *.* was used as filter.
Designer	Automatic sizing of Presentation-in-page element was not applied in WYSIWYG editor of Designer.
Viewer	Viewer log showed some irrelevant messages when the server connection was lost.
Designer	Transparency slider of the reflection properties worked opposite to the transparency slider of the shadow properties. Adjusted to work in a similar way.
Designer	Duplicate page function could generate two pages with the same name.
Web element	Interactive web page only showed a vertical scrollbar, no horizontal scrollbar.

November 6th 2012 (build version 4.1.4693)

Item	Description
General	Problems on Windows 8 systems, caused by previous build version, solved.
Designer	Changing the visibility of pages in the presentation properties window could cause the sequence order of the pages in your presentation to be mixed up.
Scheduler	Language was not changed after changing this setting in the Tools Options window.
Scheduler	Returning from the Windows hibernate status could result in exception errors, when the PC was in hibernate status for more than 5 minutes.
System Mgt	Minor adjustments to the Content Category Reference window.
Web element	Refresh function of the web element didn't work when running in screenshot mode.
Web element	Address bar never visible, irrespective of the Show address bar property value.
Designer	When selecting a speed ratio value less than 100% for the video element via the dropdown box the value was not adjusted.
Designer	The duration input field of a play list item didn't respond correctly to certain manual changes like using decimals.



November 2nd 2012 (build version 4.1.4689)

Item	Description
Designer	Manually entering negative values for the balance property of the video/sound element was not possible.
Designer	Issues with sliders and related numeric input fields solved and support for entering values has been improved.
Viewer	Renaming the viewer from #computername# to another value failed.
Designer	Page duration was not updated when changed via ribbon bar.
Designer	Page thumbnails were not immediately updated after creating a new page for a presentation that included a master page.
Content library	Changing the file type (for instance to All Files) was only applied after switching between folders.
Viewer	In some situations schedule updates were received by PADS Viewer, but the scheduled presentation didn't start.
Designer	Copying selected page elements to another page mixed up the elements.
Designer	Page thumbnails were not updated when making changes to the master page.
Designer	Previous and Next button in Data Series wizard of chart element were not handled correctly for some chart types.
Designer	NEW: Insertion field in the formatted text properties window has been extended with a preview to see the results when the insertion field contains spaces.
Designer	Changing the size of a picture element from 'automatic' to 'manual' didn't always resize the picture.
Designer	In the import page wizard no page thumbnails were visible after selecting a presentation from the content library.
Designer	Apply button was not automatically enabled after changing the content type in the text properties window.
Designer	Selection handles not displayed for vertically placed page elements.
Designer	A new data provider was created when duplicating and renaming a data provider.
Designer	.mov extension was not included in the predefined list of supported video file types.
Agent	Viewer settings were no longer properly displayed.
External app element	Starting an executable with no user interface results in an error message.
Scheduler	Context menu functions for adjusting selection in page selection window (accessible via presentation play list of edit schedule window) didn't work.
Designer	NEW: Skew properties added to formatted text element.
Table element	Group by function only showed a value for the first group.
RS232 element	Commands were not sent properly when two consecutive pages of the presentation contained an RS232 element.
Designer	Double clicking a page thumbnail in the import page wizard did automatically close the wizard.
Agent	Sorting of viewer log messages in a black box file was incorrect.
Designer	Importing a data provider from another presentation resulted in 2 new data providers.
Viewer	If PADS Viewer was not able to connect to PADS Server, this caused a memory leak in the viewer application.
Viewer	Option window no longer accessible since last build version.
Designer	Foreground and background color removed from list with property bindings of interactive button element.
Content Organizer	Calling the content organizer application from another PADS application did not correctly use the existing server connection.
Viewer	When 'random effect' was chosen as transition element then also the option 'no effect' was applied as one of the random effects.
Viewer	The transition effects 'turn out to the right' and 'turn out to the left' were not executed properly
Designer	Process of asynchronously loading page thumbnails has been improved.
Web element	Content of web element was not automatically resized although the viewer was configured to automatically resize content.

Synchronization	The situation where the application of content filters resulted into empty content folder on the client side was not handled properly.
Scheduler	Duplication of a recurring schedule in the advanced schedule view went wrong.
Designer	NEW: Exchange data provider now also returns the Status and Categories of Microsoft Exchange calendar.
System Mgt	OK button of the content category window was not automatically enabled after changing the name of a filter.
Designer	File name input field not visible after selecting 'Text from File' as content type in the text properties window.
Designer	After importing a data provider the data provider was not added to the list of data providers in the ribbon bar.
Designer	No error message was given when an incorrect expression was entered for a data provider.
Synchronization	Content was not automatically re-synchronized after content permissions were changed.
Scrolling text element	Play once and show next page didn't work correctly for the scrolling text element.
Flash element	Presentation doesn't go to next page when using a flash element with a connected data provider, data scrolling enabled and the options 'play using play list options' and 'play once and go to next page' switched on.
Controller	PADS Controller caused a memory leak when the processes information of a PADS Viewer was retrieved via PADS Agent.
Controller	XML file with PADS Controller program settings were written to the \Program Files folder instead of the \ProgramData folder.
System Mgt	Removing a content category, directly after it was added resulted in an error.
Designer	Loading thumbnails could cause a memory leak.
Controller	Opening a Microsoft Access database in the content library temporarily increased the cpu usage of PADS Controller.
Designer	Creating a data provider that referred to a folder in the content library in combination with the usage of the data server, caused an error message when previewing the data.
Licensing	Licenses only worked until the end date instead of until and including the end date.
Designer	Displayed presentation name in the header of the document window was not updated after saving the presentation under another name with the Save As function.
Designer	Shows thumbnails setting was not saved when closing the application.
Content Organizer	Thumbnails were not displayed after switching off and on the show thumbnails setting.
Designer	Rule was still visible in the properties window after removing it in the edit rule window.
Designer	Working If/And/Or field of edit rule window was incorrect.
Designer	Picture on the first page of the presentation was not displayed, although the picture file existed.
Data providers	Microsoft Access data provider only showed the first row when the data server was used to retrieve the data.
Synchronization	DeleteMode, DeleteFilesNotMatchingMetadata and VerboseLogging setting added to the PADSController.xml file, enabling the user to fine tune the synchronization process.
Synchronization	Internal working of the synchronization process has been improved to better handle various exceptional situations.

First new version PADS4 release 1

October 5th 2012 (PADS4 Release 1, build version 4.1.4661)

Item	Description
Agent	NEW: PADS4 Agent application.
General	NEW: German localized version.
General	NEW: French localized version.
Setup	NEW: PADS4 documentation can be downloaded and installed as part of the installation.
Rules	Using 'System Long time (UTC)' in rule conditions gave the wrong result.
Content Organizer	The user was automatically logged of when closing the Content Organizer, even when the application was started from another PADS application.
Data Providers	The Office 2010 OLEDB drivers of Microsoft that were internally used by several data providers contained a bug which could cause the Viewer application to crash. Now, the Office 2010 ODBC drivers are used instead. Optionally, the Office 2007 OLEDB drivers can also be used as an alternative.
System Mgt	Changing the name of an existing content category resulted into an error.
Controller/Viewer	Starting the Viewer or Controller caused an error message 'Blackbox couldn't find proces, removing memory watcher.' in the viewer log.
Data server	Using automatic detection for the location of the Data server went wrong. As a result the data server delivered no data.
Rules	Using an element rule to skip a page could cause the page to become temporarily visible.
Controller	A hang of the PADS Controller application could cause PADS Viewer application to hang as well.
Synchronization	When a user was a member of multiple user groups with different content permissions the content permissions were sometimes not applied properly.

September 10th 2012 (build version 4.0.4636)

Item	Description
Data Provider	Using a Data Server to retrieve real-time data didn't work.
Rules	If a rule to switch to another page became active during a page load, the page was temporarily visible.
Video element	In some situations using a data provider to play a play list of videos in combination with the option 'Play once and show next page' did not work correctly.
PDF element	Same issue as described above for the video element.

September 6th 2012 (build version 4.0.4632)

Item	Description
Designer	Moving pages via drag-and-drop in the thumbnails window could cause the links between the page design window and the thumbnails to be mixed up.
Designer	The 'data provider' setting of the 'scroll data once and show next page' option in the page properties window was not restored when reopening the page properties window.
Setup	Double clicking a PADS presentation file didn't open the presentation in PADS Designer when the file name contained spaces.
Setup	Software updates were not allowed after 90 days when using a temporary product key without a software contract (demo key). Now, software updates are allowed until the end of the license period.
Setup	Installing a new build version via the Check for Updates-function of PADS went wrong when the Windows culture setting of your PC referred to another language than the supported languages of PADS (English and Dutch).

August 24th 2012 (build version 4.0.4619)

Item	Description
RS-232 element	Commands were not sent by the RS-232 element.
Rules	The option 'other data scroll' was not handled properly by the rule.
TV add-on	TV add-on element didn't work, because of a wrong DirectShowLib reference.

August 9th 2012 (build version 4.0.4604)

Item	Description
Video element	Loading of videos and starting transition effects for videos has been adjusted.
Designer	Tab key didn't tab correctly through the items of the play list editor window.
Designer	Data provider was not copied correctly when using copy/paste functions.
Viewer	Viewer didn't automatically switch between a data provider and backup data provider.
Designer	When adding a video to the play list of a video/sound element, an incorrect duration for the video was displayed.
Data Provider	In the Data Provider wizard, selecting the Folder Content option and next selecting one or more video file extensions resulted in an error message.
Rule	Rule on current data was not executed properly.
Video element	In some situations a video was not started at the right moment.
Shape element	Transitions effects on shape elements were not applied.
Designer	Zoom functions gave different results when the PADS Designer application was started by the PADS Scheduler application instead of started standalone.
Designer	Color control skipped the dropdown list and directly showed the color details window, when a color didn't exist in the color dropdown list.
Data Provider	When connecting to a Microsoft Access database with linked tables to Microsoft Excel, columns of the Excel spreadsheet were not always visible in PADS due to a bug in Microsoft Office.
Designer	Flash content was sometimes drawn outside the boundaries of the Flash element.
Designer	Issues with closing and reopening the preview window solved.
Converter	Interactive buttons received a different style when converting from PADS 3.1 to PADS4.
Designer	Check for page elements outside the boundaries of your presentation has been moved, to prevent conflicting situations when manually changing your presentation width or height.
Viewer	In the options window logbook items were not filtered correctly when the button to filter on warnings, errors or info messages were pressed.
System Mgt	License details like expiration dates were not visible in the License Summary, because the function to expand license summary items didn't work.
System Mgt	In the server settings window, the timeout and interval settings were displayed with the wrong time format, when running with Us-us as Windows culture setting.
Viewer	Content folder was not set, when automatic detection of PADS Server was used.
Page rules	Adjusting the visibility of a page by a page rule didn't work.

July 4th 2012 (build version 4.0.4568)

Item	Description
Web element	Even when the option 'Do not refresh the web page' was turned on, the website was refreshed after 60 minutes.
Web element	Connecting a text element to the Scroll in sync of a web element did not scroll.
Designer	Data provider retrieved by the import page was not shown in the data provider ribbon.

July 3rd 2012 (build version 4.0.4567)

Item	Description
Web element	Even when the option 'Do not refresh the web page' was turned on, the website was refreshed after 10 minutes.
Presentation	Minor adjustment were made to the presentation page rules.

June 28th 2012 (build version 4.0.4562)

Item	Description
General	New: Dutch localized version.
Data Provider	Adjustments to be more flexible in accepting RSS feeds that are not compliant with the official international standards.
Data Provider	Generation of No_Html columns for XML/RSS adjusted.
Designer	New: Possibility to adjust the border of a web element.
Designer	Some of the color dropdown boxes in ribbon bar contained no items.
Designer	Various issues with table element solved, including issues with colors and separators.
Designer	New: Row count property added to the formatted text element
Designer	Preview window showed black bars when offset was defined for web element.
Designer	Minor adjustments across the entire application.
Viewer	Application of data server for retrieval of data didn't work correctly.
Viewer	#viewer name# and #monitorname# values in data provider filters where not automatically replaced by the viewer name/monitor name.
Viewer	Data providers of second presentation in playlist were not loaded.
Viewer	Renaming a viewer went wrong when the name contained '#' characters. No error messages were written to the log when renaming failed.
Viewer	Element property binding produced an error on DBNull values.
Controller	Minor adjustments to prevent unnecessary warnings and errors in the logbook.
Black box	Maximum size for logging reduced from 4 weeks to 1,000 entries.
SDK	Adjustments to prevent (theoretical) deadlock situations.

May 31st 2012 (build version 4.0.4534)

Item	Description
License Wizard	PADS product keys that were generated on the 31 day of a month weren't accepted by the License Wizard.
Data Provider	In the text file data provider you can now specify a row delimiter.
Chart element	When you edited the data series of the chart element the marker icon always reset.

May 16th 2012 (build version 4.0.4519)

Item	Description
Chart element	Reordering data series went wrong.
Transition effects	Some adjustments to the execution of transition effects.
Data Provider	Some XML data provider settings were not saved.
Designer	Changing the internal position of a web element by dragging-and-dropping could lead to performance problems.
Designer	Resizing left side of multiple page elements was not handled properly.
Viewer	Presentation was not always displayed after schedule adjustments.
TV element	TV element worked correctly in PADS Designer but not in PADS Viewer.

May 11th 2012 (build version 4.0.4514)

Item	Description
License activation	Changing the time zone of the PADS Server PC was seen as a system configuration change and caused the license to become invalid. This problem has been solved. As a consequence YOU MIGHT HAVE TO REACTIVATE YOUR LICENSE.
Synchronization	Synchronization went wrong when a Viewer was part of a group and the group didn't have content permissions.
Designer	After starting PADS Designer for the very first time and defining a PADS Server, the Close button of the Manage Connections window remained disabled.
System Mgt	Calling the function for editing a Data Permission caused an error.
Viewer	Using automatic server detection could lead to PADS Controller error messages and a wrong content synchronization folder.
Table element	Various issues solved.
System Mgt	New feature to grant read-only access to content permissions.
Designer	Update presentation menu option was not enabled when opening a scheduled presentation in PADS Designer.

May 4th 2012 (build version 4.0.4507)

Item	Description
Presentation rules	Existing presentation rules were not displayed in the presentation properties window.
Table element	Table element sometimes didn't show all rows when using a data provider that was linked to the Calendar of Microsoft Exchange.
Viewer	Presentation could stay on the screen after adjusting the scheduling period.
Designer	Performance of the table element has been improved.
Data Server	Did not work correctly for databases only supporting 32-bit (like Microsoft Access)
Data Provider	Data provider didn't always import all columns of an RSS feed.
Synchronization	Adjustments to properly handle synchronization periods and content permissions.
Designer	GUI related adjustments.
Designer	Various issues in the element properties windows with showing, adjusting and/or saving properties have been addressed.
License Wizard/ Activation portal	Visual improvements to simplify the offline activation process.
Content Organizer	Support for importing multiple files using Ctrl or Shift keys.

April 20th 2012 (build version 4.0.4493)

Item	Description
Designer	When the design window contained a scroll bar because your presentation is larger than the window, the application sometimes automatically jumped to another scroll region.
Scheduler	Double clicking a schedule in the calendar view could cause a NullReferenceException error.
Scheduler	Clicking the up button of the week view scroll bar after switching between destinations caused a crash of the application.
Web element	Scaling problem solved.
Designer	Application did no longer respond after resizing the picture element preview window.
Flash element	Flash content was not scaled properly.
System Mgt	In rare situations it was possible to generate multiple viewers with the same name.
Content Organizer	Several problems (creating a new folder) solved.
Designer	Table element didn't save group by settings.
Software Update Wizard	Software Update wizard did not work properly when the updated software was already downloaded but not installed yet.
Designer	Data provider problems (stored procedures, parameter queries, expressions, filtering, refresh) solved.
Designer	GUI related adjustments across the entire application.
Designer	Various issues in the element properties windows with showing, adjusting and/or saving properties have been addressed.
License Wizard	PADS License Wizard sometimes had problems with detecting PADS Server on the same computer. Detection mechanism has been adjusted to prevent this.

April 4th 2012 (build version 4.0.4477)

First official build version of PADS4.

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