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syngo.plaza VB10B

Customer information about the latest *syngo*.plaza version for your institution.

Dear *syngo*.plaza customer,

With this letter we would like to inform you about the software change in order to raise awareness for the importance of this update and the planning of its implementation. The software change addresses several issues, details regarding the issues can be found below in section "Content of Update".

The installation of this update is recommended in order to ensure proper functioning of your system.

After performing this update the following Customer Safety Advisory Notice (CSAN) is obsolete:
SY021/15/S - "Possibly incomplete archived studies during pre-fetch"

Change Reference:

SY024/15/S

Affected Systems:

Affected are all systems running on software version *syngo*.plaza VB10A, including Hotfixes. The update can only be applied on version VB10A_HF01 or VB10A_HF06.

Content of Update

Application relevant changes

Viewer	1. Color images (RGB) will now show "?" for min, max, mean, standard deviation and pixel lens values since a proper calculation of HU is not possible.
	2. **Save As** option is now enabled when a patient from CDR is loaded to viewer. By enabling the **Save As** option the user is allowed to create a new patient from CDR.
	3. Only one user can load studies (current as well as priors) in read-write mode. A second user can load these studies in read-only mode. Also sign-off can only be performed on study level.
	4. Switching a patient tab is disabled while loading is in progress and interactive cine is started in order to avoid inconsistent display of the patient name in the patient tab versus loaded data in viewer.
	5. The control image for stereotactic biopsy is now displayed with correct "Target Marker" overlay. Also multiple overlays are now properly displayed.
	6. The monitor configuration tool now supports several multi-monitor configurations (e.g. for horizontal and vertical setup).
	7. User can speed up changes to windowing levels (especially for 16-bit images) by pressing the 'Alt' key along with the respective mouse dragging. Without pressing 'Alt' the user will achieve the normal speed of windowing.
	8. On clicking **Fit Breast to Screen** on mammography images with proper pixel padding plane the breast region is now properly fitted to the segment boundary.
	9. The **Reset Image** function will now restore the original window values correctly (same as was applied after the load).
	10. Now any configured tools from **Smart Select** can be invoked in multi-monitor setup even if the selected display protocol does not have any segments created on primary (first) monitor.
	11. The scrolling in cine mode for XA series is faster compared to before.
Patient Browser	1. Improved load behavior: All studies will now be visible and will no longer stay "in progress" after retrieve from DICOM archive.
	2. Sending a study to another node from reporting client is now possible, even if the filename path of the "Presentation State" is longer than 64 characters.
Patient Jacket	1. The Patient Jacket now displays the appropriate report when "Accession number", "Requested Procedure ID" and "Patient ID" are selected as report query parameters. A static warning text will be shown in the Report Viewer settings dialog when only the "Requested Procedure ID" is configured as query parameter.
Archiving	1. Instead of the first image now the middle image will be considered for archive exclusion rules and **Smart Read** (thin slice) rules. The same applies for the "Archivenow tool".

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| OEM | 1. If multiple textual reports are received from RIS, now all reports will be displayed in the Report Viewer window with a separator. |
| | 2. OEM call up will no longer bring the Patient Browser into the foreground unless error messages need to be displayed. |

Technical changes

DB	1. An issue is solved where series are present in Short Term Storage (STS) with archive status "true" but no entry was visible in the Long Term Storage (LTS) / Archive DB. This issue was addressed with Customer Safety Advisory Notice (SY021/15/S) "Possibly incomplete archived studies during pre-fetch". This Customer Safety Advisory Notice will be obsolete with installation of this version.
	2. The logging for image storage issues resulting in image files with 0 kb size has been enhanced. We recommend to inform the local service organization for investigation when this happens.
	3. Storage commitment status is now consistently updated in the *syngo*.plaza database.
HL7	1. On retrieve of a study from LTS, the exam completion date/time in the HL7 image notification is now sent with a default date in case study date is empty.
	2. On retrieve of a study from LTS, the exam completion time in the HL7 image notification is now sent with the existing study date and append with 00:00:00 in case study time is empty.
DICOM	1. Generation of a unique DICOM UID has been improved to avoid even remote occurrences of data conflicts.
	2. Logging ("CS log") enhancement has been introduced for partial retrieve of studies. We recommend to inform the local service organization for investigation when this happens.
	3. Multiple associations for MPPS updates to *syngo*.plaza can now be opened at the same time.
Network Interface	1. *syngo*.share viewer component will now load the Presentation States from *syngo*.plaza with multiple window center/width.
	2. The NHS value (under the "other Patient ID" tag) is now sent as empty tag for not verified NHS during retrieve from *syngo*.plaza (only applicable for UK customers).
	3. Stability has been improved for exporting data to another node.

Service Tools / Installation	1. Archive Consistency Check Tool: ACC tool to identify inconsistencies in archive is improved to clean up issues caused by double usage of file names.
	2. The "*syngo*.plaza Study UID Inconsistency Correction Tool V2.0" is now available to resolve study/series inconsistencies between online and archive database.
	3. Due to a software issue (solved since *syngo*.plaza version VA20D_HF02) single inconsistencies in the archive may exist, where an image could have been corrupted during archiving. This will be checked during installation of this hotfix.
	4. The default memory allocation for the SQL server has been changed to avoid high memory usage on the server.

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