DTX Studio™ Core

Release notes

Release date: 2026-01-30

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Version 4.3.2

This new version brings a whole set of new and improved DICOM features, adding DICOM Receive (Storage SCP), DICOM Query/Retrieve, DICOM Print, and multiple improvements in DICOM Send. Additionally, some integration improvements have been implemented. Some new capabilities rely on DTX Studio Clinic 4.8 for end-to-end usage.

Note

All fixes and improvements are incremental to DTX Studio Core 4.2.6.

Compatibility

DTX Studio Core 4.3 is compatible with **DTX Studio Clinic 3.1.1 or higher**.

DTX Studio Core 4.3 is compatible with **DTX Studio Go Sync 1.3.**

DTX Studio Core 4.3 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.3 needs **DTX Studio Database Migrations 3.11.1** or higher to perform migrations. The compatible database migration plugins required must be at least revision 7, as older DTX Studio Database Migration versions and plugins will not connect to DTX Studio Core 4.3.

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

DICOM Receive (Storage SCP)

The new storage SCP service can be configured in the DTX Studio Core UI, offering options to enable or disable the service, define specific client rules, and configure TLS or non-TLS communication. The service can receive and store both 2D and 3D DICOM data (multi-frame only) from configured Storage SCUs. Supported modalities can be mapped to DTX Studio Core modalities using a configuration file. To assign the received media to the correct DTX Studio patient, the media are now matched on Core ID, PMS ID or DICOM ID with additional safeguards in place.

DICOM Query/Retrieve (C-FIND/C-MOVE SCU)

Query patients on a PACS from DTX Studio Clinic and retrieve acquisitions to DTX Studio Core. This feature is only available when a Storage SCU and Storage SCP are configured within DTX Studio Core. Special safeguard mechanisms were implemented to prevent duplicate retrievals for the same patient.

DICOM Print (Print SCU)

Users can now add and manage DICOM printers within the DTX Studio Core UI. New printers can be discovered across the network and multiple fields can be configured, such as communication ports and supported film sizes. Print jobs initiated in DTX Studio Clinic are temporarily stored and processed, with clear intermediate status updates provided (queued, pending, done or failed). Silent configuration is supported across the DICOM node, with the exception of printer configuration (which remains UI-only).

Integrations & Monitoring

A new ping endpoint was created to monitor DTX Studio Core services from a third-party system. The SSL certificate is now automatically renewed on a weekly basis and the root certificate rotation is now also automatically handled by DTX Studio Core. Patient merge requests from DTX Studio Clinic are now blocked during a continuous migration (providing conflict protection). Additionally, when registering a new DEXIS Capture or Go Sync Agent instance in DTX Studio Core, the application version is now checked for compatibility. We upgraded to Java JDK 21 (OpenJDK).

DTX Studio Go Sync Agent

This version of DTX Studio Core is compatible with DTX Studio Go Sync 1.3. DTX Studio Go Sync 1.3 supports better handling of different media or data files that should be linked to each other. The patient merge functionality was reworked to improve robustness.

Enhancements

DICOM Send Improvements (Storage SCU)

Several enhancements have been introduced to the DICOM Send node. The Application Entity (AE) Title can now be easily adjusted across SCU, SCP and MWL from the DTX Studio Core UI or during the silent configuration. The storage SCU logs have been expanded to include retry, download and filtering functionalities. The DICOM Send node now also allows the processing of derived media (filtered 2D media). Users can configure to also send a reoriented multi-frame DICOM set (Axial / Sagittal / Coronal) to the DICOM destination for each processed 3D CBCT image. In addition, a warning is displayed in the DTX Studio Core UI when a Storage SCU is configured in a cloud-connected DTX Studio Core instance (Go Sync) to avoid duplicate PACS traffic in multi-Core environments.

DICOM Modality Worklist Improvements (MWL)

A new option has been added in the app settings to allow to disregard the **`Scheduled Procedure Step Start Time`** when retrieving MWL items. The **`ScheduledProcedureStepDescription`** is no longer a required tag for an MWL item to be considered valid. The study date/time associated with the received MWL item is now more accurately derived from the MWL item itself. The handling of special characters in MWL items is now also enhanced.

Most Important Bug Fixes

DTX Studio Core

– Fixed issue where practice PMS IDs were incorrectly prefixed when duplicate PMS IDs existed.

– Fixed issue where duplicate PMS CSV files were deleted after closing the Configuration Wizard.

– Fixed issue where snapshots from older versions with the same first two digits could not be restored.

– Fixed issue where snapshot restoration failed due to overly strict version validation.

– Fixed issue where patients created via DICOM Node were not added to the cloud_patient_status table.

– Fixed issue where changing the snapshot location to an invalid path triggered a logging attempt that returned a 500 server error.
– Fixed issue where DTX Studio Core ran out of memory when generating reports on large databases.
– Fixed issue where the OperatorsName DICOM tag was not set for DTX Studio Core capture flows.
– Fixed issue where adding many application registrations made the Workstations page unavailable.

DICOM Node

– Fixed issue where no validation occurred on an Instance UID when receiving an invalid MWL item.
– Fixed issue where adding an automatic target PACS did not reset the recent media check date
– Fixed issue where patient names containing special characters were not correctly displayed when received from a MWL.
– Fixed issue where DTX Studio Core ran out of memory when generating reports on a very large database.
– Fixed issue where the **`OperatorsName`** DICOM tag was not set for images acquired through the DTX Studio Core capture flow.
– Fixed issue where generated cephalometric images could not be sent.

Version 4.2.7

This new version of DTX Studio Core offers improved snapshot handling, enhanced device service configuration, expanded system health reporting, and a series of bug fixes that increase overall stability and reliability.

Note

All fixes and improvements are incremental to DTX Studio Core 4.2.4.

Compatibility

DTX Studio Core 4.2 is compatible with **DTX Studio Clinic 3.1.1 or higher**.

DTX Studio Core 4.2 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.2 needs **DTX Studio Database Migrations 3.11.1** or higher to perform migrations. The compatible database migration plugins required must be at least revision 7, as older DTX Studio Database Migration versions and plugins will not connect to DTX Studio Core 4.2.

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

Snapshots

- Additional logs related to snapshot restore events are now included in the problem report.
- For snapshot restore, the DTX Studio Core version check now uses two digits instead of three.
- The snapshot restore dialog has been updated to more clearly warn users that restoring an older snapshot may result in data loss.

DEXIS Device Service

The DEXIS capture service is now by default enabled in the DTX Studio Core configuration wizard.

Minor Improvements

The current health status of the DTX Studio Core database is sent to the DTX Studio stats framework.

Most Important Bug Fixes

– Fixed issue where a legacy database could not be migrated to a non-empty Core setup.
– Fixed issue where the license check during a mandatory upgrade did not function properly.
– Fixed issue where patients with duplicate PMS IDs were created through MWL SCU.
– Fixed issue where studies from custom media did not receive a date and time in specific scenarios.
– Fixed issue where the DXC Service failed to start after an upgrade.
– Fixed issue where empty PMS IDs were unexpectedly prefixed during an upgrade.
– Fixed issue where missing database constraints in stats files were incorrect.

Version 4.2.4

This new version of DTX Studio Core offers improved support for the DTX Studio Go Sync solution. Starting from this version the DTX Studio Go Sync Agent has become part of the DTX Studio Core solution as an extra installable module.

Note

All fixes and improvements are incremental to DTX Studio Core 4.1.4.

Compatibility

DTX Studio Core 4.2 is compatible with **DTX Studio Clinic 3.1.1 or higher**.

DTX Studio Core 4.2 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.2 needs **DTX Studio Database Migrations 3.11.1** or higher to perform migrations. The compatible database migration plugins required must be at least revision 7, as older DTX Studio Database Migration versions and plugins will not connect to DTX Studio Core 4.2.

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

DTX Studio Go Sync Installation and Setup

The DTX Studio Go Sync Agent can now be installed and configured by customers as part of the DTX Studio Core installation process. During the DTX Studio Core configuration wizard, users can enable the Go Sync feature and set up communication ports. Afterward, the Sync Agent configuration wizard can be launched to complete the Go Sync installation by entering the correct installation key. A newly added section in the DTX Studio Core web UI allows users to monitor and manage the DTX Studio Go Sync installation, providing insights into pending syncs, sync errors, and details of the connected Sync Agent. Finally, users can configure which historical patient records should be uploaded to the DTX Studio Go Sync cloud directly from this page.

DICOM

Customers can now use DTX Studio Clinic to send specific media entries to a connected DICOM storage destination. In the DTX Studio Core web interface, users can configure whether a DICOM destination should support automated or manual sending.

Enhancements

DTX Studio Go Sync

- More detailed error information is available when a specific patient record fails to sync.
- The Sync Agent logs are now automatically added to the DTX Studio Core problem report.
- When a patient record accumulates multiple diagnosis instances due to merging or conflict handling, all diagnosis are now stored in DTX Studio Core. Afterwards, users can select in DTX Studio Clinic which diagnosis to keep or to remove.
- To prevent potential conflicts, the Update Patient Info action is not available in a cloud setup.
- A new Cloud Group ID has been introduced to determine when patients of multiple DTX Studio Core instances should be merged in the cloud. This ID is automatically retrieved and can no longer be changed in the DTX Studio Core web UI.
- DTX Studio Core now supports multiple patient or media records sharing the same PMS ID or media instance UID.
- Syncronization intervals are now set more randomly within a predefined interval.
- The robustness of the upload and download sync processes has been further strengthened for improved reliability.

Other Minor Improvements

- The link to the Dexis Device service is now accessible via the information endpoint, enabling the manual configuration of the Dexis capture application (DXC).
- For media types that support multiple media files, individual media file entries can now be deleted through the DTX Studio Clinic API.
- Several security enhancements have been implemented, including more secure communication between DTX Studio Core and the Sync Agent, improved MCC credential handling and an automated version check for applications attempting to connect with DTX Studio Core.
- The license status of the Go Sync Agent is now stored locally, allowing to use Go Sync even when the license server is temporarily unavailable.
- Application logs are now stored for only 90 days.
- Minor updates to user interface labels.

Most Important Bug Fixes

Fixed issue where the DTX Studio Clinic client was unable to connect to DTX Studio Core due to a slow DTX Info endpoint in a specific setup.

Version 4.1.5

This new version of DTX Studio Core focuses on fixing a number of important bugs.

Note

All fixes and improvements are incremental to DTX Studio Core 4.1.4.

Compatibility

DTX Studio Core 4.1 is compatible with **DTX Studio Clinic 3.1.1 or higher**.

DTX Studio Core 4.1 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.1 needs **DTX Studio Database Migrations 3.11.1** or higher to perform migrations. The compatible database migration plugins required must be at least version 7, as older DTX Studio Database Migration versions and plugins will not connect to DTX Studio Core 4.1.

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

Most Important Bug Fixes

Fixed issues where:

- media of the ‘fluorescence’ or ‘translucence’ type were not sent to the configured PACS.
- migrating a legacy database to a non-empty DTX Studio Core setup was not possible.
- a DTX Studio Clinic client could not connect to DTX Studio Core with a configured MCC (in a specific setup).
- the patient’s middle name was not included in exported DICOM files.
- the set SOP Class UID was not as expected for captured IO-XRAY, OPG and CEPH.
- the anti-virus protection threw an error when upgrading DTX Studio Core due to the internal version checker.

Version 4.1.4

This new version of DTX Studio Core offers an enhanced capturing process with the i-CAT scanner and improves the software upgrade process. It also offers improvements when creating a Radiation Dose Structured Report (RDSR) through the DICOM module and introduces some robustness and stability improvements. Moreover, the new Dexis Capture application is supported.

Note

All fixes and improvements are incremental to DTX Studio Core 4.0.6.

Compatibility

DTX Studio Core 4.1 is compatible with **DTX Studio Clinic 3.1.1 or higher**.

DTX Studio Core 4.1 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.1 needs **DTX Studio Database Migrations 3.11.1** or higher to perform migrations. The compatible database migration plugins required must be at least version 7, as older DTX Studio Database Migration versions and plugins will not connect to DTX Studio Core 4.1.

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

Audit Logs

Actions performed in the DTX Studio Core web portal are now added to a dedicated audit log. Audit logs can be enabled or disabled in the configuration wizard.

Enhancements

General

– CliniView is no longer supported as an integrated frontend. When upgrading to this new version of DTX Studio Core a notification message is shown.

– The DTX Studio Core scan center is no longer available.

– The folder structure in which actual media (data) are stored in DTX Studio Core was reworked to increase robustness.

– A banner is now shown on the DTX Studio Core web pages when an optional software update is available.

– On the DTX Studio Core login page, an action is now available that redirects to a DTX Studio Go web page that allows to request a new login password.

OP 3D Vision

The communication framework between DTX Studio Core and the OP 3D Vision (i-CAT) was updated and improved to allow faster data transfer between the acquisition device and DTX Studio Core. Moreover, thanks to the new framework, DTX Studio Core can directly interact with the acquisition workstation which eliminates the need of an additional data storage PC (PACS node).

DICOM

Merge, the internal third-party DICOM library, has been replaced by the dcmtk library.

Workflow Efficiency

– Scan requests which are overdue for a number of days, will be closed automatically.

– A new setting was introduced that allows to automatically accept any pending DTX Studio Clinic connection request.

i-CAT™ Capturing

The default ID that is used when creating an exam on the acquisition device of the I-CAT scanner, has been changed from the Core ID to the PMS ID.

Most Important Bug Fixes

Fixed issues where:

– a re-assigned image was deleted as well when the original patient was deleted.

– the RDSR was incorrectly stored with the Study and Series UID as the image data.

– the DICOM module did not start when deleted studies were present in DTX Studio Core.

Version 4.0.6

This version includes a bugfix related to ceph/pan image quality.

Note

All fixes and improvements are incremental to DTX Studio Core 4.0.5.

Compatibility

DTX Studio Core 4.0 is compatible with **DTX Studio Clinic 3.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Database Migrations 3.11.1** or higher for performing migrations. Compatible plugins version 7 are required. (DTX Studio Core 4.0 will not connect to older DTX Studio Database Migration versions and plugins).

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

Most Important Bug Fixes

Fixed issue where OP 3D Pro ceph/pan images received by PACS had reduced image quality.

Version 4.0.5

This version mainly includes important bugfixes related to MCC, image acquisition through i-CAT devices, certificate handling and the DTX Studio Core application in general.

Note

All fixes and improvements are incremental to DTX Studio Core 4.0.3.

Compatibility

DTX Studio Core 4.0 is compatible with **DTX Studio Clinic 3.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Database Migrations 3.11.1** or higher for performing migrations. Compatible plugins version 7 are required. (DTX Studio Core 4.0 will not connect to older DTX Studio Database Migration versions and plugins).

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver. A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

Most Important Bug Fixes

General

– Fixed issue where DTX Studio Core did not start after reboot or upgrade (specific cases).

– Fixed issue where DTX Studio Core failed to start when a revoked application has a patient lock.

– Fixed issue where the acquisition time was not as expected for migrated data when DTX Studio Core in different time zone.

DTX API

– Fixed issue where the certificate download endpoint required authentication while it should not.

Migration Control Center

– Fixed issue where incremental migration was not working as expected.

– Fixed issue where the migration from CLINIVIEW 10 reported unexpected failures.

– Fixed issue where migration failed when migrating from specific very large legacy databases.

i-CAT Capturing

– Fixed issue where i-CAT scans made through Quick prescribes were not added to the patient file.

– Fixed issue where images captured with i-CAT were not available on DTX Studio Core when the patient name contains special characters.

Version 4.0.3

This version mainly introduces support for a new DICOM communication module, an enhanced connection process between DTX Studio Clinic and DTX Studio Core as well as a number of stability improvements.

Note

All fixes and improvements are incremental to DTX Studio Core 3.15.

Compatibility

DTX Studio Core 4.0 is compatible with **DTX Studio Clinic 3.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 4.0 needs **DTX Studio Database Migrations 3.11.1** or higher for performing migrations. Compatible plugins version 7 are required. (DTX Studio Core 4.0 will not connect to older DTX Studio Database Migration versions and plugins).

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver (formerly KaVo Driver). A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

DICOM Module

A new DICOM communication module is introduced. The DICOM module allows to forward acquired media to a configured PACS system (DICOM Storage SCU), to receive DICOM worklist items (MWL) from a configured PACS or RIS system and finally to create and send DICOM radiation dose reports (RDSR). When DICOM MWL items are received, these items are automatically converted to DTX Studio Core scan requests. Radiation dose reports (RDSR) can be enabled for a configured DICOM storage destination. Dedicated configuration pages and settings are available in the DTX Studio Core management web portal. Finally, dedicated audit logs are available in this new DICOM module to offer full traceability on sending and receiving data.

DTX Studio Clinic Connections

The process to connect a DTX Studio Clinic installation to DTX Studio Core was further improved. Connection requests are now listed in the DTX Studio Core web portal, where requests can be accepted or rejected by the system administrator.

The new connection process no longer requires DTX Studio Clinic users to enter the DTX Studio Core username and password.

Moreover, the new management web portal page offers a quick overview of linked DTX Studio Clinic installations. For each installation the current software version and the ‘last active date’ is listed.

Note

To use all features of the new connection workflow, DTX Studio Clinic 4.3.10 or higher is required.

Enhancements

Installation and Configuration

– The default port numbers have been changed. Details on the used port numbers can be found in the DTX Studio Core 4.0 installation guide.

– An additional notification was added to the configuration wizard, to guide the user to the DTX Studio Core activation process.

– The DTX Studio Core root certificate is now automatically installed.

– DTX Studio Core can now be activated silently through the DSO API.

Duplicate PMS IDs

An additional constraint was added to DTX Studio Core to avoid duplicate PMS IDs in the DTX Studio Core database.

Logging

The logging of OP 3D (LX) reservation error info has been improved.

Most Important Bug Fixes

General

– Fixed issue where the activation of DTX Studio Core failed in a specific case (duplicate DTX Studio Go user).

DTX Studio Core Capturing

– Fixed issue where calibration images can no longer be downloaded.

– Fixed issue where unknown characters appeared in the device details page when using Scan eXam One.

– Fixed issue where the device connection ended unexpectedly, resulting in a non-cleared device (specific case).

Version 3.15

This release brings performance improvements, stability improvements and bug fixes for connections with devices and connected workstations with DTX Studio Clinic.

Note

All fixes and improvements are incremental to DTX Studio Core 3.13.

Compatibility

DTX Studio Core 3.15.3 is compatible with **DTX Studio Clinic 3.1 or higher**.

DTX Studio Core 3.15.3 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 3.15.3 needs **DTX Studio Database Migrations 3.11.1** or higher for performing migrations. Compatible plugins version 7 are required. (DTX Studio Core 3.15 will not connect to older DTX Studio Database Migration versions and plugins).

Important

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver (formerly KaVo Driver). A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

Central Data Storage

Users can now upload to DTX Studio Core data files that should be distributed within the practice to connected DTX Studio Clinic clients. This should facilitate the process to share and distribute certain configuration files throughout the practice.

Following data file types are now supported:

– DTX Studio Clinic shared setting files

– DTX Studio Clinic installers

– DTX Studio Clinic Implant Library packages

PMS Bulk Correction

DTX Studio Core now allows to export an overview (csv file) of all patient records in DTX Studio Core.

The system also allows to import an altered csv file to perform bulk corrections on the patient records (example correct all internal PMS ID's).

Multiple checks are performed automatically on the csv file to prevent unintentional changes.

Enhancements

Audit Logging

Audit logs are created for login attempts to DTX Studio Core (and linked components).

Enable DTX Studio Core Scan Center

The DTX Studio Core Scan Center can now be enabled in the configuration wizard. By default the DTX Studio Core scan center is disabled.

Security

Security improvement for scan center login (cross-origin error).

https Support

DTX Studio Core has now full https support on all available DTX Studio Core services.

Perfomance Improvements

– Multiple technical performance improvements on DTX Studio Core API.
– DTX Studio Core can now support up to 40 active DTX Studio Clinic clients.

Most important bug fixes

General

– Fixed issue where the summary report incorrectly counts patients and media in recycle bin.
– Fixed issue where the patient name is printed in DTX Studio Core log file when patient name is changed in Cliniview.
– Fixed issue where an incorrect error message was shown when the configuration wizard could not be started.
– Fixed issue where the scheduled time for a DTX Studio Core snapshot not correctly set.

Migrations

– Fixed issue where DTX Studio Core hangs during Mcc upgrade (h2) with a very large migration database.
– Fixed issue where a patient was not merged during migration if same PMS ID already exists in DTX Studio Core
– Fixed issue where media of second patient was not migrated automatically when merging patients.

DTX Studio Core Capturing

– Fixed issue where an unassigned image could not be assigned nor discarded.

– Fixed issue where the acquisition time should be stored in local time when capturing 3D data through DTX Studio Core.

Version 3.13

This release brings performance improvements, stability improvements and bug fixes for connections with devices and connected workstations with DTX Studio Clinic.

Note

All fixes and improvements are incremental to DTX Studio Core 3.10.5.

Compatibility

DTX Studio Core 3.13 is compatible with **DTX Studio Clinic 1.9.2 or higher**.

DTX Studio Core 3.13 needs **DTX Studio Driver 21.1 or higher**.

DTX Studio Core 3.13 needs **DTX Studio Database Migrations 3.11** or higher for performing migrations. Compatible plugins version 7 are required. (DTX Studio Core 3.13 will not connect to older DTX Studio Database Migration versions and plugins).

Important

Previous image capturing workflow for i-CAT™ or OP 3D Vision is replaced with a new simplified workflow without the use of the Modality Worklist (MWL). Note that the previous workflow (using MWL) is no longer supported when upgrading to version 3.13 or higher.

The minimum supported version of SmartScan STUDIO is 2.12 or higher.

Make sure, **all** computers in the clinic are upgraded from previous versions to the **same DTX Studio Clinic version**.

For 3D devices, please check firmware compatibility with DTX Studio Driver (formerly KaVo Driver). A firmware update may be required. When updating firmware, OP 3D devices may require recalibration by a service technician on site. For device and firmware compatibility information, please refer to DTX Studio Driver technical bulletins available at https://tech.dexis.com.

New Features

Migrations

The Migration Services: DTX Studio Core supports sequential migrations of different legacy and other supported third-party databases. Technology used for migrations has been changed for better support of large database migrations. New and existing one-time and side-by-side migration setups now allow for faster operations with migrated data.

The migration framework was further extended and improved to smoothen the overall migration process. The Migration Control Center now lists more detailed information on the configured migration: number of patients, number of patients with media, patients with a conflict, a list of the images that failed during migration.

Conflicts that occurred during migration are now listed and can optionally be resolved in Migration Control Center (MCC). Two patient records can now be merged. The “Source patient” record can be merged into the “Target patient” record. Media are merged, available custom media are rewritten. The source patient record is deleted.

Enhanced Snapshot

A health check is now performed before a snapshot is taken, to prevent corrupted snapshots. Health notifications are added in case the DTX Studio Core database snapshot has failed or if no snapshot is scheduled. Furthermore, only one snapshot job can run at a time (to prevent errors and DTX Studio Core overloads). [1]

Templates and QuickPrescribe

When defining a new QuickPrescribe scan protocols on DTX Studio Core, a preferred capturing template can be set, and users can specifiy wether a diagnostic region should be selected for the linked scan requests.

QuickPrescribe and templates can be imported by copying a template or QuickPrescribe configuration file to the correct DTX Studio Core folder.

PMS Service

A new PMS Service was implemented in DTX Studio Core. This service allows to create or update patient records stored in DTX Studio Core from a third-party application (for example a PMS system). Moreover, for each patient record, information about the stored 2D and 3D media can be retrieved. Third-party systems can create Scan Requests by using this new PMS service. A special configuration page is available to enable the PMS Service and configure some service details. The PMS service also allows to create a DTX Studio Core database snapshot.

Silent Install of DTX Studio Core

Both the DTX Studio Core installer and the Configuration wizard can be run silently, via a command line with parameters. The parameters for the Configuration wizard are Auto-accept EULA and Load a Core Configuration parameters file (optional).

Usage Report

Customers can now have access to a Usage Report. This report provides an overview of the daily usage of DTX Studio Core (number of patients, number of media, linked devices and other).

The Usage Report feature is by default OFF and can be activated upon request.

Enhancements

Https Protocol for Communication with DTX Studio Clinic

The more secure encrypted https protocol is now the default communication option. Users need to explicitly enable http communication if this is required.

1 For default PostgreSQL database type only

i-CAT™ and OP 3D Vision™ Integration

The integration between DTX Studio Core and i-CAT or OP 3D Vision was further improved. Scan requests or capture sessions are now directly communicated through the native i-CAT or OP 3D Vision integration API (Atlas Web Service) instead of using the Modality Worklist service.

Extended Compatibility

DTX Studio Core 3.13 is additionally supported on Windows 11 and Windows Server 2022.

For technical requirements refer to the latest computer guidelines.

Most Important Bug Fixes

General

– Fixed issue where upgrading DTX Studio Core from version 3.4.7 to version above 3.9 failed.

– Fixed issue where DTX Studio Core services could not start due to empty or corrupted configuration files.

– Fixed issue where upgrade from DTX Studio Core 3.10 failed.

– Fixed issue where the 3Shape device status was not updated if the 3Shape Dental Desktop server went offline or online.

– Fixed issue where notification message to DTX Studio Clinic about unassigned images indicated a wrong date (day).

– Fixed issue where some patient records could not be opened in DTX Studio Clinic for installs with history of using DTX Studio Core version 3.7.

Migrations

– Fixed issue where a table in the MCC could not be sorted based on Message.

– Fixed issue where the login password in the MCC was not updated when the password was changed in DTX Studio Go.

– Fixed issue where the migration of a very large database would stall during the media metadata import phase.

DTX Studio Core Capturing

– Fixed issue where starting the OP 2D calibration sometimes failed.

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