



DTX Studio™ Core

Release notes

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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.

Previous Releases

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.

Performance 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.



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