



November 21, 2022

BETA CAE Systems announces the release of the v23.0.2 of its software suite

About this release

Always aiming in providing you with first-in-class features and robust processes, we announce the second bug-fix release of v23.x.x series.

v23.0.2 is addressed to those that would like to delve deeper into v23.x.x potential, including a range of upgrades and performance improvements.

Follows a selection of the most important items:

- [Known issues resolved in ANSA](#)
- [Known issues resolved in EPILYSIS](#)
- [Known issues resolved in META](#)
- [Known issues resolved in KOMVOS](#)
- [Compatibility and Supported Platforms](#)
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Known issues resolved in ANSA

JT Translators

Attributes' Key text and all related information from JT files would be missing from the Parts Comment field.

Apart from that, the output process of JT files, unreasonably taking excessive time, has been accelerated from approx. 800s to 30s.

Data Management

Considerable performance improvement has been achieved for all operations involving the reading of information from file-based DMs. Saving a Simulation Model or a Simulation Run in DM, retrieving the "where-used" references of a Subsystem in the DM Browser, or simply navigating through the "DM" and "Details" bottom tabs in the Model Browser, are now considerably faster, particularly with big DMs.

This accelerated performance varies from ~1.5 to 4.5 times for usual actions in DM browser and Model Browser, ~2 to 13 times for usual DM operations, up to even 100 times for getting DM references of LS-DYNA Subsystem.

Nastran

Unexpected termination could occur during the input of files with MODULES and "frozen" ANSA comment.

In addition, automatic conversion of Pyramid Elements (CPYRA) to Tetras (CTETRA) on output would lead to unexpected termination, whenever recognized FE perimeters were affected.

Abaqus

A considerable speed-up of ~20% has been achieved during the output of models with large number of BOUNDARY entities.

LS-DYNA

Focusing on Safety and, specifically, Dummy [Articulation], LSTC dummies with lumbar operations on "Contact" mode would unintentionally cease functioning before process completion.

Kinetics

Abnormal termination would occur while opening the edit card of a contact, after a body of the contact's container was deleted.

Optimization

The optimization process is now terminated if there is no valid result passed to the optimizer.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in EPILYSIS

Contacts

Data recovery when DISPLACEMENT on SET was requested would lead to unexpected termination.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in META

Graphics

META could come to abnormal closure when High Quality Fringe was enabled for QUAD8 elements with missing middle nodes.

Nastran

When reading large .pch files of size ~13Gb, some data could be plotted as zeros.

LS-DYNA

Node Ids under *NODE keyword would be wrongly aligned when LS-DYNA .key file was output from META.

PERMAS

It was not possible to read Scalar results in a local coordinate system.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Known issues resolved in KOMVOS

Process Management

Focusing on the Application Settings of the Process Design, command line option with Name left blank would not be accepted, although valid for several applications.

Furthermore, the deletion of a connection line would not trigger the modification of the workflow.

For more details about the new software features, enhancements and corrections please, refer to the Release Notes document.

Compatibility and Supported Platforms

ANSA files saved by all the first and second point releases of a major version are compatible to each other. New major versions can read files saved by previous ones but not vice versa.

META Project files saved from version 23.0.2 are compatible and can be opened by META version 16.0.0 or later.

Support for Mac OS has been discontinued.

Support for 32-bit platforms has been discontinued for all operating systems.

Download

Where to download from

Customers who are served directly by BETA CAE Systems, or its subsidiaries, may download the new software, examples and documentation from their account on our server. They can access their account through the "sign in" link on our [website](#).

Contact us if you miss your account details. The Downloads menu items give you access to the public downloads.

Customers who are served by a local business agent should contact the [local support channel](#) for software distribution details.

What to download

All files required for the installation of this version reside in the folders named "**BETA_CAE_Systems_v23.0.2**" and are dated as of **November 21, 2022**. These files should replace any pre-releases or other files downloaded prior to that date.

The distribution of this version of our pre- and post-processing suite is packaged in one, single, unified installation file, that invokes the respective installer and guides the procedure for the installation of the required components.

For the installation of the software on each platform type, download from the respective folders, the .sh file for Linux or the .msi file for Windows.

In addition to the above, optionally, the META Viewer is available to be downloaded for each supported platform.

The tutorials and the example files reside in the folder named "TUTORIALS". This folder includes the complete package of the tutorials and example files, and a package with only the updated ones.

The Abaqus libraries required for the post-processing of Abaqus .odb files are included in the installation package and can be optionally unpacked.

Earlier software releases are also available in the sub-directory called "Previous_Versions" or in a folder named after the product and version number.