



December 18, 2020

BETA CAE Systems announces the release of the v21.0.2 of its software suite

About this release

BETA CAE Systems announces the second bug-fix release of ANSA/EPILYSIS/META and KOMVOS v21.0.x series, hosting several fixes in detected issues.

Follows a selection of the most important items:

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Known issues resolved in ANSA

GUI

ANSA would terminate unexpectedly by pressing the exit button on the License confirmation window, after the execution of kill user command.

Data Management

DM Browser poor performance could be detected when opening the Reports Table for several DM items containing many attached Reports, when SPDRM was the back-end. After performance improvements, Reports Table activating speed has been accelerated by 4-5 times.

Modular Run Management

In case more than one manual Loadcase Headers were saved in DM, only the one that contained the current Header would be saved correctly.

Shell Mesh

Auto CFD spacing and CFD meshing functions have noticeably accelerated execution speed.

Volume Mesh

Unexpected termination might occur when the function Extrude [Revolute] from the Structured Mesh menu produced more than one volumes, according to Connectivity, PID or Part of the source area.

LS-DYNA

Unexpected termination could occur when ICFD_MATERIAL was selected to be reported at D.INFO report.

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

Known issues resolved in EPILYSIS

Units

EPILYSIS would produce misleading results due to erroneous unit-related operations, such as fluid-structure coupling cases or MNF calculation when specific unit abbreviations were specified.

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

Known issues resolved in META

Read Results

The reading performance of META has been significantly boosted in numerous cases, such as FLUENT .dat result files, Animator databases of models with many RBE elements or simply PIDs from the new Converge .h5 format

NVH Calculators

Spotting on FRF Assembly, unexpected termination could occur when deleting and recreating a component, while keeping the same name.

Furthermore, in certain cases where Linear Combination nodes were used as responses, calculations could be incorrect, depending on the included Loadcases.

Fluent

Reading "Volume Fraction" scalar results of Fluent .cdat files would lead to unexpected termination.

Project Files & METADB

Unexpected termination would occur when saving META project, in case functionality relevant to annotations attributes had been applied, whereas annotations had been copied among models.

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

Known issues resolved in KOMVOS

Input Model Definition

Input Model Definition would not work for CATProduct files, ProE files or JT format trees.

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 21.0.2 are compatible and can be opened by META version 16.0.0 or later. To be readable by META versions earlier than v16.0.0, they have to be saved selecting the option "Version 16.0.0" or "Version <16.0.0".

Support for Mac OS has been discontinued.

Support for 32-bit platform 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 at our [web site](#).

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_v21.0.2**" and are dated as of **December 18, 2020**. 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.