April 18, 2022

BETA CAE Systems announces the release of the v22.1.2 of its software suite

About this release

April brings a handful of improved features to BETA Suite. This release offers you the flexibility to easily migrate to v22.x.x branch, without disrupting quality or robustness in your daily processes.

Follows a selection of the most important items:

Known issues resolved in ANSA
Known issues resolved in EPILYSIS
Known issues resolved in META
New Documentation in KOMVOS
Compatibility and Supported Platforms
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Known issues resolved in ANSA

CAD Import/ Export

Upon Input Model Definition, unexpected termination would occur when activating the Settings via Product Tree Editor > Utilities menu.

Model Browser

Thanks to new methods added in Product Tree class, relations can successfully return among instances of the hierarchy via the respective script function; This refers to, the ids of the top root instances, the parent instance, the children' instances, as well as the corresponding part id of the instance.

Data Management

The user interface area of the main window would cease to respond, when trying to save a Simulation Run in DM using the Alternative FE-Representation, due to an exception that occurred in Build script.

Topo

From now on, the option "Handle as single solid" successfully enables the extraction of middle surface for multiple separate volumes.

Marc

ANSA would unexpectedly terminate when importing a Marc deck file with unsupported syntax.

Optimization

Optimization Tool: Abnormal termination would occur if the Optimization workflow was empty and the "Save in DM" option was selected.

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

Known issues resolved in EPILYSIS

SOL200

In SOL200 runs, the CDAMP1/CDAMP3 elements would not successfully connect with PDAMP properties. In addition, values from DVPREL entries would not be passed.

Unexpected termination would occur in Optimization with frequency response and enforced motion.

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

Geometry d3plot and results reading is no longer detained on Windows OS.

Annotations

Animation performance would be decelerated, while creating an annotation via "On Selection" option.

Managing Curve Data

Scaling and offset of *DEFINE_CURVE keyword from LS-DYNA input files (entries SFA, SFO, OFFA, OFFO) would not lead to the expected results.

User Toolbars

TPA What If Toolbar would not function properly, in case transfer functions, forces and point mobilities were displayed as curves.

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

New Documentation in KOMVOS

User Guides

Tutorials

- Machine Learning

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 22.1.2 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_v22.1.2"** and are dated as of **April 18, 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.