March 9, 2022

BETA CAE Systems announces the release of the v22.1.1 of its software suite

About this release

Your experience with BETA products is elevating, as we elaborate on squashing bugs and further upgrade recently introduced features.

The release of v22.1.1 in particular, encourages you to seamlessly integrate with v22.1.x series, taking advantage of increased functionality capabilities, as well as of fixes to recently detected issues.

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
Download

Known issues resolved in ANSA

Modular Run Management

The performance of Check build actions has been improved up to 70%, combatting unexpected delays tracked in previous versions.

A duplicate transformation keyword would be written in the Simulation Run main file, in addition to the one written in the adapted Subsystem or Library Item, if the respective item was loaded upon defining the transformation.

Data Management

When trying to delete a Subsystem Group from DM, the contained Subsystems would also be erroneously deleted.

Downloading an FE Representation for a Part through DM Browser would not update the "DM Update Status".

Connections & Assembly

When executing the Connectivity > Auto function on Adhesive Faces, parts outside the search domain might wrongly be detected.

Shell Mesh

Performance increase up to 80% in the Grids Align function, when aligning a high number of grids onto geometrical surfaces.

Mesh Generation: The sub-options for Batch [Visible, Select, Re-Generate] would be inappropriately missing.

Volume Mesh

Running the Map algorithm, unexpected termination would occur in cases with several outer caps involved.

Batch Meshing

Running the CFD meshing algorithm, occasionally the algorithm would fail, resulting in a mesh result of poor quality with large growth rate and element size differences. Also, proximity and size fields would not be taken into account.

LS-DYNA

When working with Analysis Tools and particularly with Joint Assistant, unexpected termination would occur when an entity list was activated from the Database Browser.

OPTISTRUCT

Converting BMFACEs to elements would occasionally lead to abnormal termination.

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

Known issues resolved in EPILYSIS

Output

Unexpected termination would occur in SOL110 with EKE output request.

SOL200

Unexpected error would also occur in case of ANALYSIS=DFREQ/MFREQ with adjoint response and structural damping.

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

Results from column ASCII files would not be read correctly in v22.1.0.

Some OptiStruct .op2 files with Eigenmode results would be erroneously read and the States list would contain unnecessary modes. In addition, Shape optimization results from .op2 files for mode optimization would not be read correctly.

Adams result files might not be read correctly.

Unexpected termination could occur while reading Tecplot ASCII vector results.

Managing Curve Data

META would terminate unexpectedly when plotting results over distance of nodes of adaptive mesh and LS-DYNA Curves would not be properly plotted, when the same ID was available for different entity types of bndout.

Performance has been boosted up to 70%, while loading big Unv58 files on Windows OS.

Project Files & METADB

Unexpected termination would occur when reading geometry from a solver input file and results from a METADB file, when the two files contained different number of extra nodes.

Automation

Abnormal termination could occur when loading a model and a result with a long result name via the respective script function call.

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

Known issues resolved in KOMVOS

Actions

Thanks to the addition of right-mouse button Actions on Library Files via dm_views.xml, the user now can directly "Open in ANSA", ANSA databases residing within KOMVOS structure.

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 22.1.1 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_v22.1.1"** and are dated as of **March 9, 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.