



February 10, 2022

## BETA CAE Systems announces the release of the v21.1.6 of its software suite

### About this release

v21.1.6 arrives as the culmination of our efforts to provide error-proof mechanisms that will safeguard your customization operations and tasks in v21.1.x series.

This last bug-fix release for ANSA/EPILYSIS/META and KOMVOS hosts numerous fixes in recently detected issues, a highlighted selection of which is featured below:

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

### Known issues resolved in ANSA

#### CAD Import / Export

Thanks to the new library of CT 2021 SP3, unexpected termination regarding SolidWorks and CATPart files has been avoided and special cases with missing color information in CATIA have been successfully addressed. These bug-fixes come to supplement, on top of the existing ones, the support of the following formats:

- NX CR 1980
- Creo 8
- Parasolid 33

#### CAD to ANSA Translators

Translation per folder via the `-idir` option would not succeed in acquiring license for CATIA v4 files.

#### Data Management

ANSA could terminate unexpectedly when adapted Subsystems or Group Subsystems that contain adapted Subsystems were saved in DM.

#### DECKs

Unexpected termination would occur due to erroneous definition of not Applied A\_POINTS entities or when GEB [GEB\_GN] entities were attached to Rigid material.

## Optimization Tool

The creation of the session file for a DOE study, through the Post-Processing task item, would not be successful for other than EPILYSIS and Nastran solvers.

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

## Known issues resolved in EPILYSIS

### Calculate

WEIGHTCHECK/GRDPNT would not be calculated correctly in SOL101 case with DMIG (M2GG).

### Output

Unexpected termination would occur in SOL110 with EKE output request.

### SOL200

Unknown conflict would occur in case of ANALYSIS=DFREQ/MFREQ with adjoint response and structural damping.

Moreover, EPILYSIS would terminate with an error, if USET GRID for MDEXPORT was referenced in an SPC, even if the USET DOF and the SPC DOF were different.

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

## Known issues resolved in META

### General

Deleting a window while animating would cause unexpected termination.

### Optistruct

Shape Optimization results from .op2 files for mode optimization would not be read correctly.

### LS-DYNA

Unexpected termination could occur when plotting curves of Shell Strain output from binout files.

### Read Results

PIDs would not be read correctly in .h5 format from conjugate heat transfer Converge cases, and in Patran formats with 8-digit ID.

### NVH Calculators

OptiStruct FSI DMIG would not be successfully read in Modal Response.

Fluid structure coupling calculated by META would couple two parallel structural panels instead of just one, if the cavity free surface was positioned between these two panels.

Modal Response & FRF Assembly: In Fraction (Polar) Plots, the Range Type setting would not be respected.

### Automation

Memory leak could occur when using thr script function results.StartChangingCentroidScalar().

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 21.1.6 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 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\_v21.1.6**" and are dated as of **February 10, 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.