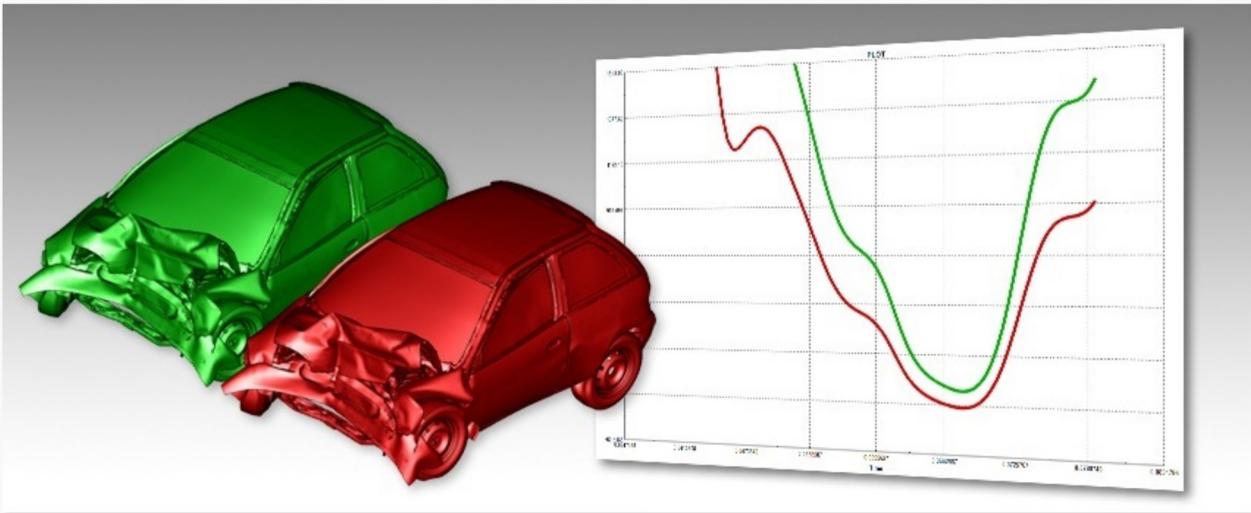


January 9, 2015

## BETA CAE Systems announces the release of ANSA & META v15.2.2



### About this release

BETA CAE System S.A. announces the release of v15.2.2 of ANSA / META pre- and post- processing suite.

This maintenance release focuses on the correction of identified problems and issues for ANSA and META, but some enhancements have also been made.

Critical issues of v15.2.1 were promptly resolved.

**Note that ANSA / META v15.2.1 has been revoked.**

The most important resolved problems and new features are listed below.

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### Understanding the Software Release Schedule

#### The plan

We are committed in delivering improved and enhanced software releases, the soonest possible, in order to meet the requirement of our customers for the continuous improvement of their experience and work. Therefore, we are working in releasing new software versions with code corrections, new software features and enhancements, in regular, frequent intervals.

- A major software version is released every year.

- First point releases, such as v15.1.0, v15.2.0 and so on, with code corrections but also with additional software features and enhancements are released every three months.

- Second point releases, such as v15.2.1, v15.2.2, v15.2.3 mainly with code corrections only upon their parent first point release, are scheduled on a monthly basis.

Each software release is accompanied by a detailed description of the introduced corrections and/or additions so that our customers can decide whether it is critical to implement this release in their environment.

## This release

This release of v15.2.2 implements enhancements and code corrections on v15.2.0 and v15.2.1.

**Note that ANSA /  $\mu$ ETA v15.2.1 has been revoked.**



## Enhancements and known issues resolved in ANSA

### Enhancements in ANSA

#### Scripting

A new script function has been added in CFD\_TRANSL named ScaleBMValues. This function will scale all the length related fields of selected Batch Mesh Sessions.

### Known issues resolved in ANSA

#### DATA Management

Deleting Include files from the DM Browser might lead to unexpected termination.

Applying a new representation on many parts was not possible when they were physically connected.

#### TOPO

The performance of Plane Cut has been significantly improved.

#### DECKs

File Manager: Files that were de-selected were also imported along with the selected ones.

Contact>Assistant: The Master/Slave set ids were inserted in the Contact card as Slave/Master.

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



## Enhancements and known issues resolved in META

### Enhancements in META

#### Parametric Point Paths

Commands for stress linearization on axisymmetric elements have been changed.

#### Supported interfaces

Nastran: Discrete optimization results produced using the parameter DISBEG=0 are now supported as extra cycles when reading 3D Results from the PCH file.

#### Project Files

Top and Bottom Nodal Results have been supported (reading and writing) since v15.2.0, but not documented.

### Known issues resolved in META

## General

The F12: Set Visible Entities window's close button issue has been resolved. This incident was resolved in v15.1.1, but not documented.

## Supported interfaces

Opening a FEMZIP file in v15.2.1 generated multiple small files in META launch folder.

## Fringebar

Vector Fringebar: Major Principal Vectors would not be drawn on solid elements.

## Managing Curve Data

Load Curves: When read manually from multiple binout files, node id would unnecessarily be written numerous times in command xyplot read Isdyna etc. .

## Automation

Script: Scrolling was not applicable in windows created by script. This incident has been resolved since v15.0.0, but not documented.

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.

The .metadb files saved with META version 15.2.2 are compatible and can be opened by earlier versions of META.

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 S.A. may download the new software, examples and documentation from their account on our server. They can access their account through the "user login" link at our web site <https://www.beta-cae.com> Contact us if you miss your account details. The [ Public ] link will give you access to the public downloads area.

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 folder named "**BETA\_CAE\_Systems\_v15.2.2**" and are dated as of **January 9<sup>th</sup>, 2015**. 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, the.sh installer file residing in the folder with respective platform name, for Linux and MacOS or the respective .msi installer file for Windows, 64bit, have to be downloaded.

In addition to the above, optionally, the  $\mu$ ETA 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 "old" or in a folder named after the product and version number.



## Documentation

### Videos

A new folder with videos has been made available on our server for download. The videos are also available on our Youtube channel.

New material for Optimizations by employing the TOSCA-ANSA Environment

A new package has been uploaded on our server including:

- Guides on Optimization in ANSA-TOSCA Environment (TAE) and on how to define TOSCA keywords.
- A video demonstration of the TOSCA-ANSA environment.
- A white paper on a "Topology and Shape optimization within the TAE" case.
- Tutorials and the files for Bead, Shape, and Topo optimization.

