

**BETA CAE Systems S.A.** announces the release of **ANSA v13.1.3**  
with new features and important code corrections  
for CFD users

**ANSA v13.1.3 for CFD**

**Main new features introduced**

**Known issues resolved**

**Compatibility**

**Documentation**

**Download**

**ANSA v13.1.2 for CFD**

The official software release is comprised by the latest `ansa_v13.1.3` files that reside in the server at the time of this announcement. These replace any pre-releases and files downloaded prior to this date (i.e. April 18th, 2011).

**Starting ANSA for CFD:**

To get optimum functionality for CFD pre-processing start ANSA in the recommended CFD-tuned mode either by:

`[installation_path]/ansa_v13.1.3/ansa64.sh`

which opens the ANSA Launcher window where you can select the CFD mode,

or directly (if the launcher does not appear due to installation issues) by using the extra argument `- gui CFD`:

`[installation_path]/ansa_v13.1.3/ansa64.sh -gui CFD`

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**Main new features introduced**

- Support of NX 7.5 CAD data translation
- The ANSA launcher now always appears regardless of additional command arguments (apart from `-nogui`, `-gui` and `-xml`)
- Added support for more entities (Points, Curves etc) for the function `FOCUS>NEAR`
- When a new PID is created in the Property list it becomes highlighted for selection
- Surface Wrapping - accelerated initialization step in specific cases
- Improved the accuracy of calculations made with the TANK tool
- Improvements in the `FACES>SKIN` function
- Added new User Defined Function for the separation of unconnected PID regions to different PIDs

For more details about the new software features, enhancements and corrections please, refer to the [Release Notes](#) document.

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**Known issues resolved**

- Fixed bug or wrong orientation display of FE-mod or volume mesh for specific graphics cards
- Fixed problems of window behaviour of the Part Manager in icon view mode
- Fixed unwanted movement of nodes on free edges near areas where layer sides were auto connected
- Fixes in accuracy of associations and projections of the Hexablock mesh module
- Fixed problem of unwanted neighbouring quad mesh modifications cause by `VOLUMES>MAP` in specific cases
- Fixed bug where `MESHV>HEXAPOLY` did not run on Windows 32bit platform
- Fixed bug of wrong assigned tangency of symmetry link Morphing Boxes
- Fixed wrong reported non-orthogonality check of polyhedral meshes

For more details about the new software features, enhancements and corrections please, refer to the [Release Notes](#) document.

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**Compatibility**

ANSA files saved by version 13.1.3 can be opened by versions 13.1.2, 13.1.1 and 13.1.0 but not by earlier versions.

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**Documentation**

**Release Notes**

For more details about the new software features, enhancements and corrections please, refer to the "`ansa_v13.1.3_release_notes`" pdf document, that can be downloaded separately. This can be also reached by the "`Help>Ansa documentation index`" accessed by top menu bar within ANSA.

**Updated documentation**

- Updated CFD Project Practices document
- Updated morphing for CFD tutorials

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**Where to download from**

Customers who are served directly by BETA CAE Systems SA. may download the new software, examples and documentation from their account in our server. They can access their account through the user login link at our web site <http://www.beta-cae.gr>

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

For the installation of the software on each platform type the following are needed:

- the tar file with the respective platform name (e.g. Linux, IBM-AIX etc.), or the respective zip file for Windows and the "common" .tar or .zip file
- the "tutorials and examples" .tar or .zip file

Previous software releases can be found in the sub-directory called "old".

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