BETA
SIMULATION SOLUTIONS

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ANSERS

FULL PERSPECTIVE

Questions & Answers

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Q&A on ANSERS

1. What is ANSERS?

ANSERS is a front-end web interface to access and visualize simulation and physical test data. It provides an environment where engineers can build comprehensive, elaborative, dynamic, and easy to customize dashlets. It's an out-of-the-box solution, offering simplicity on the front-end while handling the complexity of the simulations and test data structures on the back end.

2. Why was ANSERS developed?

Simulation and test engineers deal with vast amounts of generated data from both CAE and physical tests. Such data are usually retrieved from separate sources making their collection, combination, and visualization in a meaningful way a challenge. BETA CAE Systems offers ANSERS that allows you to address it.

3. Who should use ANSERS?

ANSERS environment, on a desktop or handheld device web-browser, is a communication and decision-making tool, far more powerful than conventional reports. Simulation and physical test results can effortlessly be brought forth and compared, while different dashlets can be generated and shared effortlessly. Meaningful and comprehensive information is shared among stakeholders of any level of expertise, with the appropriate level of detail.

Thus, it is addressed to the following people:

- Simulation modeling engineers who check alternative versions of model components.
- Analysis engineers who check alternative simulation models and simulation runs, and compare different versions of them, can perform

impact and root cause analysis from within dashlets, with a layout suitable for the specific cases.

- Test engineers who view data from different physical tests and compare them, or to who compare them to simulation results and perform correlation studies, can do this in predefined layouts within ANSERS.
- Designers who now have an intuitive tool for reviewing simulation data.
- Digital product development leaders and managers who monitor the progress of the model evolution progress towards a design milestone, or who check the digital product's performance compared to specified targets.

4. Do I need a specific background to work with ANSERS?

It is recommended to be familiar with the basic concepts of the data origin that is used as backend in each case (e.g. SPDRM, BETA software suite data management, ASAM-ODS standard, etc.), in order to build ANSERS dashlets. However no further knowledge of any pre- and post- processing software is required.

5. Can I install ANSERS independently of other BETA software (e.g. ANSA, META)?

ANSERS can be installed and used independently to other BETA software products such as ANSA and META. However, access to the data management systems that needs to be connected to (e.g. SPDRM server, file-based BETA data management, ASAM-ODS server, SimManager server etc.), is required.

6. Which software is a prerequisite for running ANSERS?

BETA License Manager (BETA_LM version 7 and above) with a valid license file should active.

7. Do I need a special feature in the license file?

The required features are:

ANSERS_SERVER and ANSERS_USER

Depending on which data origins ANSERS is connected to, additional features, such as the following, may be required:

ANSERS_DM_SPDRM, ANSERS_DM_FS, ANSERS_DM_ASAM, ANSERS_DM_SIMMANAGER.

8. How many credits does ANSERS require?

The ANSERS server requires 100 credits of the ANSERS_SERVER feature.

If there is at least one connection to an SPDRM server, ANSERS requires additionally 50 credits of the ANSERS_DM_SPDRM feature, but further connections to SPDRM servers do not increase the credits required.

If there is at least one connection to a file-based DM, ANSERS requires additionally 50 credits of the ANSERS_DM_FS feature, but further connections to file-based DMs do not increase the credits required.

If there is at least one connection to an ASAM-ODS server, ANSERS requires additionally 50 credits of the ANSERS_DM_ASAM feature, but further connections to ASAM-ODS servers do not increase the credits required.

If there is at least one connection to a SimManager server, ANSERS requires additionally 50 credits of the ANSERS_DM_SIMMANAGER feature, but further connections to SimManager servers do not increase the credits required.

Each active front-end user requires 10 credits of the ANSERS_USER feature.

9. What do I need to download?

Only the ANSERS server installer is required. The ANSERS client does not require any installation, as users can reach the front-end url from a web-browser.

Additionally, if a connection to a file-based BETA data management system, ASAM-ODS server or SimManager server is needed, the DM Microservice package is also required.

The installation and the requirements are described in the ANSERS installation guide.

10. May I have an evaluation installation of ANSERS?

BETA can grant you trial access to a demo ANSERS installation on the cloud. Contact BETA or our business channel so that you get your credentials. Moreover, an on-premise evaluation installation can be made available for a limited period of time. During the evaluation period full support is provided.

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