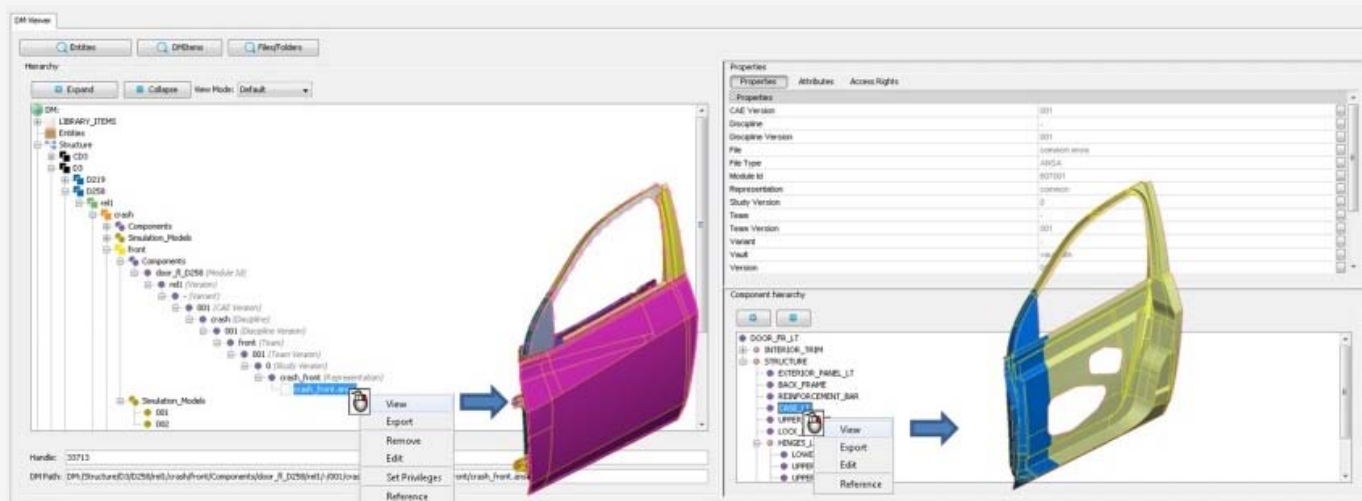# BETA CAE Systems S.A.
announces the release of the
SPDRM v1.0.2

About this release

BETA CAE System S.A. announces the release of v1.0.2 of Simulation Process, Data & Resources Manager (SPDRM) software.

In this version, enhancements have been made to further facilitate the organization and planning of your simulation processes. Additionally, fixes have been made to reported issues.

The most noticeable enhancements and issues resolved are listed by category below.

In detail:

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About SPDRM

Addressing the problem of contemporary CAE community to integrate data, processes and resources, BETA CAE Systems S.A. brings forth a new solution for driving high quality and effective virtual product development procedures.

This new software tool, the Simulation Process, Data & Resources Manager (SPDRM), provides a simple and intuitive way to capture, deploy, and manage CAE process workflows by integrating the resources, the tools, and the data associated with these.
Reflecting a deep understanding of the demands of simulation and its role in the enterprise, it couples with the enterprise PDM system and integrates CAE into higher level business processes by delivering CAE tasks and associated data to analysts, engineers, designers, suppliers, and managers.

The architecture and implementation of SPDRM is scalable, so that it can be deployed in different levels, such as in team, department or enterprise level. The system requirements are modest and the learning curve is smooth.

This new software for the orchestration and mastering of simulation procedures gives breakthrough solutions to the bottlenecks faced while using legacy tools.

SPDRM brings significant benefits to today's virtual product development, such as:

  - overall process consistency, at all levels
  - standardization of the procedures
  - harmonization of operations throughout the organization but also with its suppliers
  - referability and traceability of data and meta-data, of their modifications and variations
  - reduction of data redundancy
  - process progress monitoring and the effective processes quality management
  - reliable and referable documentation
  - productivity increase thanks to the effective resources management through job delegation to available and competent resources
  - repeatability of processes, even when using updated or different datasets and software tools
  - quality improvement of the deliverables

- increase of confidence to CAE, plus the time and cost reduction of the overall simulation process

Enhancements

Data Management

The navigation performance in the DM tree has been significantly improved.

Only items on the same level in the DM tree can now be removed in a single operation.

The option to view the privileges of DM Items has been added in their context menu on the DM tree.

New options for the manipulation of entities have been added in their context menu on the component hierarchy window.

Process Management

It is now possible to directly execute a node updating it to a newer version.

Functional and GUI improvements have been made in the Process Instance List Window.

The batch export of selected nodes in the Process Library is now possible.

It is now possible to use variables for the definition of the new DM entity's properties, during the setup of an output slot.

Scripting

The performance of script-based queries has been improved.

The unhandled exception error messages of the pre- and post- processing scripts are now printed in the output window.

GUI

Items in the Data Manager and Process Library are now ordered alphabetically.

The "case sensitive" and the date selection options have been added in the multi-conditional filtering of lists.

Miscellaneous

It is now possible to access all the officially released documents through the Documentation Index item in the Help menu.

An improved installer has been introduced in this version.

Issues resolved

Data Management

An error could occur when trying to modify the status or find the references of components.

In some cases the function Check DM Updates for components did not work properly.

The view modes "User" and "Group" of the Data Manager did not work properly.

The component's file could not be output in the exported file structure under certain circumstances.

The expand action on the DM tree could not be cancelled.

Some attributes of the components would not be used in queries or added as columns in the search lists.

The option to set privileges on multi selected items did not work properly in some cases.

Process Management

The issue in synchronizing the contents of the Process Instance List window has been fixed.

The output slot's value could not be communicated properly to the application during the execution of the node.

Scripting

The dm.createDMItem script function would fail to update the DM path of a component when using it with the versioning rule option "OverWrite".

The dm.setDMItemAttributes script function did not accept empty values for attributes and returned wrong error code when an invalid attribute value was defined.

The dm.getDMItemPropertiesAndAttributes script function did not return the proper error code if the provided DM item had been removed or overwritten.

Miscellaneous

The default privileges on the DM items defined through the DM Structure (Schema) tool could be lost each time the "CreateStructureWS" web service was running.

Documentation Updates

Updated Documents

- Updated installation guide.

New Documents

- Release Notes

Tutorial files availability

SPDRM tutorial material is available within the software distrobution package.

Supported platforms and System Requirements

The server software of SPDRM is currently available on Linux 64bits. The MS Windows flavour or the server software will be also made available soon.

The client software of SPDRM are running under 64bit flavours of Linux and MS Windows.

The software requires a different license key to the rest of the products of BETA CAE Systems. This license key should be incorporated into

the same license file, if such is already installed, and requires beta_lm, the proprietary license manager of BETA CAE Systems.

For details, refer to the System requirements document.

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 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

All files required for the installation of this version reside in the folder named **"SPDRM_V1.0.2"** and are dated as of **May 6**[th]**, 2014.** This package contains the server software on Linux 64bit and the client software on Linux and MS Windows 64bit systems.