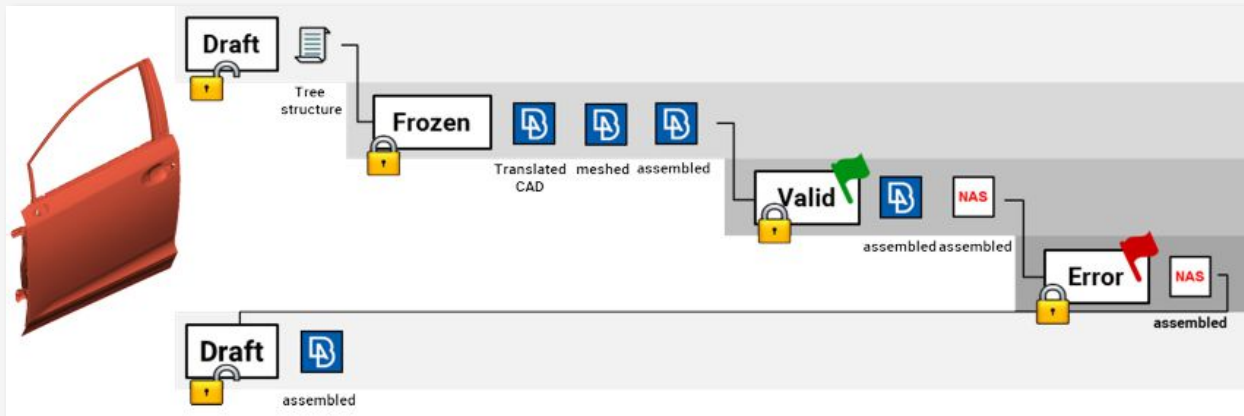# BETA CAE Systems announces the release of SPDRM v1.3.0

About this Release

BETA CAE Systems announces the release of SPDRM v1.3.0.

SPDRM v1.3.0 is now available, with numerous important enhancements in both the back-end and in the SPDRM client.

The new version offers integration with the well established application server WildFly, which inherits high-end technologies on the SPDRM server, as well as support of alternative application server solutions, such as JBoss, and Weblogic. Additionally, the interfacing with ANSA/META has been enriched in order to facilitate the modular management of Simulation Runs.

This new version brings new capabilities in the areas of CAE data traceability and quality management by introducing new tools for Life-cycle Management and data quality management. Exhaustive tracking of data relationships is now possible, which, in conjunction with the built-in pedigree tree, enables the graphical representation of all relations and dependencies of CAE data. Moreover, this version introduces the new Issue Tracking tool, a powerful solution for the management of data quality issues in the context of the CAE activities.

The most important software enhancements and code corrections are listed in more detail below.

Contents

Enhancements
Documentation Updates
Supported Platforms and System Requirements
Download

Enhancements in SPDRM v1.3.0

Back-End

From this version onward, the default application server is WildFly (instead of GlassFish). Alternative application servers (i.e. JBoss, and Weblogic) are also supported. Important performance and security enhancements have been implemented, as well as the integration with 3rd-party high-speed data transfer tools (e.g. Aspera), is available in multi-site implementation. The SPDRM - ANSA integration has been further enhanced to support I/O of Simulation Models, Load-cases, and Runs (i.e. beyond Part and Subsystem).

Usability

Customization and filtering are now available on the data tree. Furthermore, to enhance the users' interaction with the system, automated

e-mail notifications containing SPDRM hyperlinks become available with this version. The system now provides a lock mechanism on data during their check-out, to make sure that files under editing are not modified. This version also introduces a long anticipated feature, which enables the enhancement application-specific keys of the server configuration files (e.g. values of projects, values of milestones, etc.) through a new authoring tool available in the SPDRM client, reducing the need for updates of configuration files by the system administrator.

Traceability

This version also introduces core tools for lifecycle of data management. All data relationships are tracked and can be displayed in the new Lifecycle Graph, as a complete pedigree tree of an object. Furthermore, the creation of alerts is introduced when an object is marked with Status = Error. Alerts are propagated, through the pedigree tree to notify the owners of data produced by problematic files.

Furthermore, this version introduces the Issue Manager console, a new embedded tool to standardize reporting, assessment, root cause analysis, and resolution process of problems in CAE workflows.

Process Management

New utilities for process designers become available, such as the integration with Eclipse IDE, the decision nodes for the representation of conditionals, as well as the comparison of different process versions. This version supports the scheduled execution of tasks, and the execution of processes in no-GUI mode.

Resources Management

It is now possible to limit the application instances (e.g. ANSA) per user, to improve the management of hardware resources, and globally, to improve the management of available licenses. This version offers a new mechanism to remove (archive) and retrieve attachments, as well as enhancements on the data deletion mechanism, facilitating the data vault volume control and monitoring. Finally, it is now possible to use the no-GUI client to execute resources-intensive operations (e.g. job submission to HPC cluster).

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

Documentation Updates

Updated Documents

Updated installation guide, user's guide, scripting API guide and tutorial files.

Supported Platforms and System Requirements

The server software of SPDRM is currently available on Linux and MS Windows 64bits.

The client software of SPDRM is 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, or its subsidiaries, may download the new software and documentation from their account on our server. They can access their account through the "user login" 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 channel for software distribution details.

What to download

All files required for the installation of this version reside in the folder named: "**SPDRM_v1.3.0** " and are dated as of **May 20, 2019**.

These files should replace any pre-releases or other files downloaded prior to that date.

The distribution of this version of SPDRM is packaged in one, single, unified installation file that invokes the respective installer and guides the procedure for the installation of the required components (i.e. SPDRM server and client).

For the installation of the software on each platform type, download from the respective folders, the .tar.gz file for Linux or the .zip file for

Windows.

Earlier software releases are also available in the sub-directory called "Previous_Versions" or in a folder named after the product and version number.