

BETA CAE Systems S.A.
 announces the release of the
SPDRM v1.1.0

Components

Preview

Contents View

- doors_front_20141103_001_crash_001_front_001_0
 - 201001_A_FRONT_DOOR_LT
 - 302001_A_HINGES_LT
 - 607060_A_LOWER_HINGE_OUT
 - 607070_A_UPPER_HINGE_OUT
 - 608060_A_LOWER_HINGE_IN
 - 608070_A_UPPER_HINGE_IN
 - 607001_A_CASE_LT_FRONT
 - 607003_A_CASE_LT_BACK
 - 607010_A_SIDE_IMPACT_BAR
 - 607020_A_LOCK_REINFORCEMENT
 - 607030_A_UPPER_FRAME
 - 607041_A_EXTERIOR_PANEL_LT
 - 607050_A_REINFORCEMENT_BAR
 - 607080_A_BACK_FRAME
 - 607090_A_MIRROR_REINFORCEMENT
 - 607101_A_REINFORCEMENT_BELT_LT

History View

About this release

BETA CAE Systems S.A. announces the release of SPDRM v1.1.0. This version brings SPDRM closer to a wider group of users with the support of new platforms and databases. Additionally, it introduces several new features, that tie together existing functionality of the Data, Process and Resources Management workspaces, and improves the user experience with the software.

The most noticeable software enhancements are listed below.

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Simulation Models

Contents View

History View

Pedigree View

Base Simulation_Model:002

● Same ● Diff ● Outgoing ● Incoming

Code	Module Id	Version	Discipline Version	Team Version	Study Version
control_cards	20141018	001	001	0	
ground	20130427	001	001	0	
materials	20191201	001	001	0	
body	20141109	001	001	0	
door_front_left	20141012	001	001	0	3.1101
door_front_right	20141012	001	001	0	
door_rear_left	20141012	001	001	0	
door_rear_right	20141012	001	001	0	

Enhancements

Process Management

Usability of the process execution and process design workspaces has been improved with the introduction of new toolbars and new icons for

different types of process nodes. Additionally, to let the user focus only on what's important, it is now possible to automatically delete the temporary data created during the execution of processes together with the process instances from the user's process execution panel, as soon as the process are completed.

Data Management

Enforcing its close relation with CAE, SPDRM introduces the Simulation Model as a new type of data item:

A CAE simulation model is the collection of include files of particular versions, that are used for the compilation of the solver main files. A CAE simulation model can be used as a template for the creation of other CAE simulation models.

In an analogous manner, a Simulation Model in SPDRM is a data item that contains one or more components and can have a reference to another Simulation Model, that was used as a source for its creation.

In this version, a systematic attempt is made for the eloquent communication of all meta-data of the data items to the users. The Data Manager acquires a new, tabbed interface, where all information related to the data item of interest is displayed in an organized manner: History graph for components and simulation models, dependencies, tree-structure and updates are only some of the new data views, offered in the Data Manager.

Resources Management

This version introduces role-based access control: A user who is assigned more than one roles in the system, granting different access rights each, can specify according to which role he desires to acquire permissions during log-in. This way, a user can be both an "administrator" and an "analyst", without the need to operate with full permissions all the time.

To facilitate the administrative tasks, the definition of registered applications has been enhanced in order to account for default options, environmental variables and wrapper programs that might be needed every time an application is launched. In the same philosophy comes the new, parametric definition of mime-types based on registered applications, which drastically reduces the maintenance effort.

Scripting

Two new modules have been introduced, for the management of users (um module) and scripts (script module).

Miscellaneous

From this version onwards, the SPDRM Application Server is also available for Microsoft Windows. Additionally, Red Hat Enterprise Linux has been added in the list of supported platforms, for both the Application Server and the Client.

For the installation of the SPDRM Data Server, Oracle Database has been added in the list of supported and certified databases.

Usability enhancements include a new, efficient and user-friendly file manager with history, auto-completion and embedded filtering capabilities. Additionally, SPDRM client GUI settings are automatically saved, allowing the direct continuation of work from where the user left it before log-out.

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



Documentation Updates

New and Updated Documents

New installation guide, with directions for Linux, Windows, MySQL and Oracle Database.

Updated user's guide, with new chapter for the control of data views.

Updated SPDRM Jython interface.

Tutorial files availability

SPDRM tutorial material is available within the software distribution package.



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

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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_V1.1.0**" and are dated as of **November 21st, 2014**. This package contains the server software on Linux 64bit and MS Windows 64bit, and the client software on Linux and MS Windows 64bit systems.

