



May 31, 2023

BETA CAE Systems announces the release of SPDRM v1.8.2

About this Release

BETA CAE Systems announces the release of SPDRM v1.8.2.

This version delivers a number of enhancements and fixes to the users of the most advanced Simulation Process Data and Resources Management software.

The most important enhancements and fixes are listed below.

Contents

- [Enhancements and known issues resolved](#)
- [Documentation Updates](#)
- [Supported platforms and System Requirements](#)
- [Download](#)

Enhancements and known issues resolved

Enhancements

[Data Management](#)

[Data Lifecycle](#)

The new server configuration option "DMStatus_Values_Allowing_OverWrite" has been added to allow overwriting of a data object (e.g. Subsystem) that is used by a compound entity (e.g. Simulation Run) under particular status. The default behavior enables overwrite when the status of the compound entity is WIP (Work In Progress).

[MultiSite](#)

A new mechanism has been introduced that identifies and transfers to the central vault (firstDir) files that have been imported successfully through a remote site, but failed to be transferred to the central firstDir via the async transfer mechanism.

[MIMEtypes](#)

Using an already running ANSA session to edit a file is now possible for all file extensions known by ANSA for Nastran, LS-Dyna, Pam-Crash, Abaqus, ANSA and Stereo-Lithography files. These file extensions are the ones listed in the ANSA.defaults file.

Script API

The following script functions can now also accept as input a part instance id:

```
dm.getSPDRMAttributes  
dm.getDMItemAdditionalAttributes  
dm.downloadFileById.
```

Script Actions

The new global variable "_script_action" is now available during script action execution that holds a json string with the name of script action and the function, i.e. {"name": "script action name", "function": ""}.

Users Management - Security

It is now possible to view and set the privileges of a "standalone" node definition through the respective context menu option in the "Search Node Definitions" workspace.

The "Fetch LDAP users" functionality has been enhanced so as to update the user fields in SPDRM that deviate from the ones in LDAP, instead of skipping the import in case of conflict.

Issue Management

The new Boolean key "action.myAction.raiseAlert" has been introduced in the Issue Management configuration file (issues.dat) to control whether a workflow action will automatically raise a DM Alert for the Issue DM Item and the Root Cause DM Item, or not. The default value is "false", meaning that no DM Alerts will be raised.

Web Services - API

The endpoint "api/dm/dmobjects/files/import" has been introduced to enable the import of simple files in the DM.

System Configuration

The new server configuration option "batch_size_on_hierarchy_persist" has been introduced to improve the robustness and performance of the server while saving large hierarchies of Subsystems. This option controls the native batch size for insert sql statements during the bulk insert of attributes and ACLs of part instances, while saving Subsystem's hierarchy through ANSA. The default value is 2000.

Known issues resolved

Data Management

For DM Items generated through ANSA, META or KOMVOS with empty values for attributes that had a generation rule defined in the Data Model, SPDRM server would erroneously skip filling these attributes based on the generation rule.

Modular Run Management

Considerable performance improvement (appr. 20% faster) in saving Subsystems through ANSA, in environments using Oracle DB.

Data Tree

Generation rule for the file name of Subsystems would erroneously fail to be applied for Subsystems created through the "Add Subsystem" dialog.

Data Migration / Archival

In some cases the DM Import operation would fail to import all data to the target environment, although it would return a success signal.

Script API

It was not possible to create a Report under a Simulation Model through the script function dm.createdMItem, due to the empty Loadcase field.

The Properties window would not open when the script function dm.showProperties was used for Part without representation file.

Users Management - Security

Until now, in order to overwrite a DM Item, the user should have both Modify and Delete permissions. Now, Modify permission is enough to allow overwriting a DM Item, given that there are no other rules that forbid overwrite.

Granting Modify permissions to a user or role on a DM Item, triggers the assignment of Modify and Delete permissions on all the attachments of the DM Item. Similarly, denying Modify permissions to a user or role on a DM Item, triggers the removal of Modify and Delete permissions on all the attachments of the DM Item.

Web Services - API

In some cases the SPDRM Client would fail to display the DM Attributes of DM items on Data Tree (under the "Structure" container) after the execution of the Create Structure web service.

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

Documentation Updates

Updated Documents

Updated user's guide, Installation Guide, Scripting API guide, and REST API documentation.

Supported Platforms and System Requirements

From this version onward, the server application of SPDRM is available only for Linux 64bit.

NOTE: Installation of SPDRM server application on MS Windows is not supported anymore.

The client application 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 "sign in" 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](#) for software distribution details.

What to download

All files required for the installation of this version reside in the folder named: "**SPDRM_v1.8.2**" and are dated as of **May 31, 2023**.

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).

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