

SDA Getting Started Tutorial for the Dimensions CM plugin

The following document describes the installation and full sample usage scenario for the Dimensions CM plugin that can be implemented on an SDA installation. This document accompanies the SDA CM Plugin video on [KBTv](#).

Step 1: Download the plugin

Go to support.serena.com select DOWNLOADS, select the relevant SDA product, and select the relevant operating system. In the section entitled SDA Plugins, select the download link next for Dimensions CM Plug-in.

Step 2: Install the plugin

Login to SDA go to **Administration | Automation | Automation Plugins** and click on the **Load Plugin** button, browse to the downloaded zip file and click on **Submit** and the Dimensions CM plugin should now appear.

Automation Plugins				
	Plugin	Description	Version	Actions
Locks	7zip	Plugin which provides a step to extract 7zip archives.	2_134	Delete
Post Processing Scripts	DimensionsCM	The Dimensions CM plugin integrates Serena RA with Dimensions CM. It allows users to retrieve information from the Dimensions CM server and perform various baseline and project operations.	5_123	Delete

Step 3: Create a generic process to test the plugin

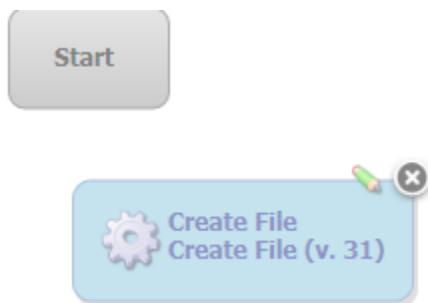
TIP: A generic process is a great method for testing plugin functionality or any other general process functionality.

In SDA go to **Management | Processes** (1) click on **Create Process** (2) specify the Name as CMTTest and then click on **Save**.

The screenshot shows the SDA Management interface with the following elements:

- Sidebar:** Components, Applications, Environments, Pipelines, Configuration, **Processes** (highlighted with a red box and circled with a red number 1), Resources.
- Header:** Processes (highlighted with a red box and circled with a red number 2). Sub-options: Create Process, Import Process.
- Table:** Lists existing processes: CMPlugin, D_PluginTest, Dim1, Hello World, LogP, Log Parser, LogParser.
- Create Process Dialog:** A modal window titled "Create Process" with fields:
 - Name *: CMTTest
 - Description: (empty)
 - Default Working Directory *: \${p:resource/work.dir}/\${p:process}
- Buttons:** Save (highlighted with a red box and circled with a red number 3), Cancel.

Click on the **Design** tab and under the Available Plugin Steps select **Utilities | FileUtils| Create File** place it at the beginning of the flow



Populate the form as below

Name: Create File

Contents: File content

Then click on **Save**.

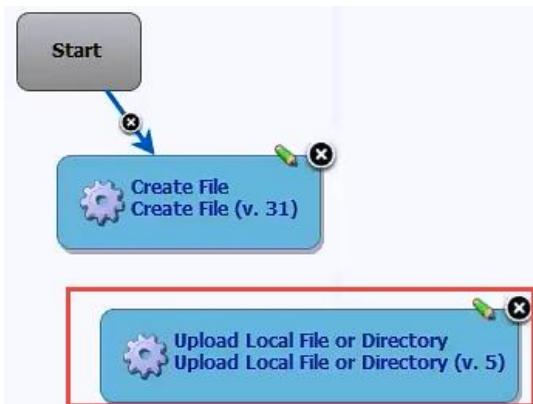
The 'Edit Properties' dialog for the 'Create File' step. The form is populated as follows:

- Name ***: Create File (highlighted with a red box and circled with a red number 1)
- File Name**: Set a value here
- Contents**: File content (highlighted with a red box and circled with a red number 2)
- Overwrite if exists**: Prompt for a value on use
- Allow Failure**: Prompt for a value on use
- Working Directory**: (empty field)
- Post Processing Script**: Step Default (dropdown) Create (button)
- Precondition**: (empty field)
- Use Impersonation**: (checkbox)
- Show Hidden Properties**: (checkbox)

At the bottom right, the **Save** button is highlighted with a red box and circled with a red number 3.

Join

Under the Available Plugin Steps select **Integration | Serena | Dimensions CM** and select the step **Upload File or Directory** and place this below the Create File Step



Fill out the required login details to match the current login setting required to login to the CM server to access the CM_TYPICAL base database, an example is shown below.

Specify the Project Name as: SDA_TEST

Edit Properties

Name *	Upload Local File or Directory
User ID *	dmsys
Prompt for a value on use	
Password	*****
Prompt for a value on use	
Server *	pc-st-w28k
Prompt for a value on use	
DB name *	cm_typical
Prompt for a value on use	
DB Connection *	dim12
Prompt for a value on use	
Directory *	.
Prompt for a value on use	
Product name *	QLARIUS
Prompt for a value on use	
Project name *	SDA_TEST
Prompt for a value on use	
Attributes	
Prompt for a value on use	

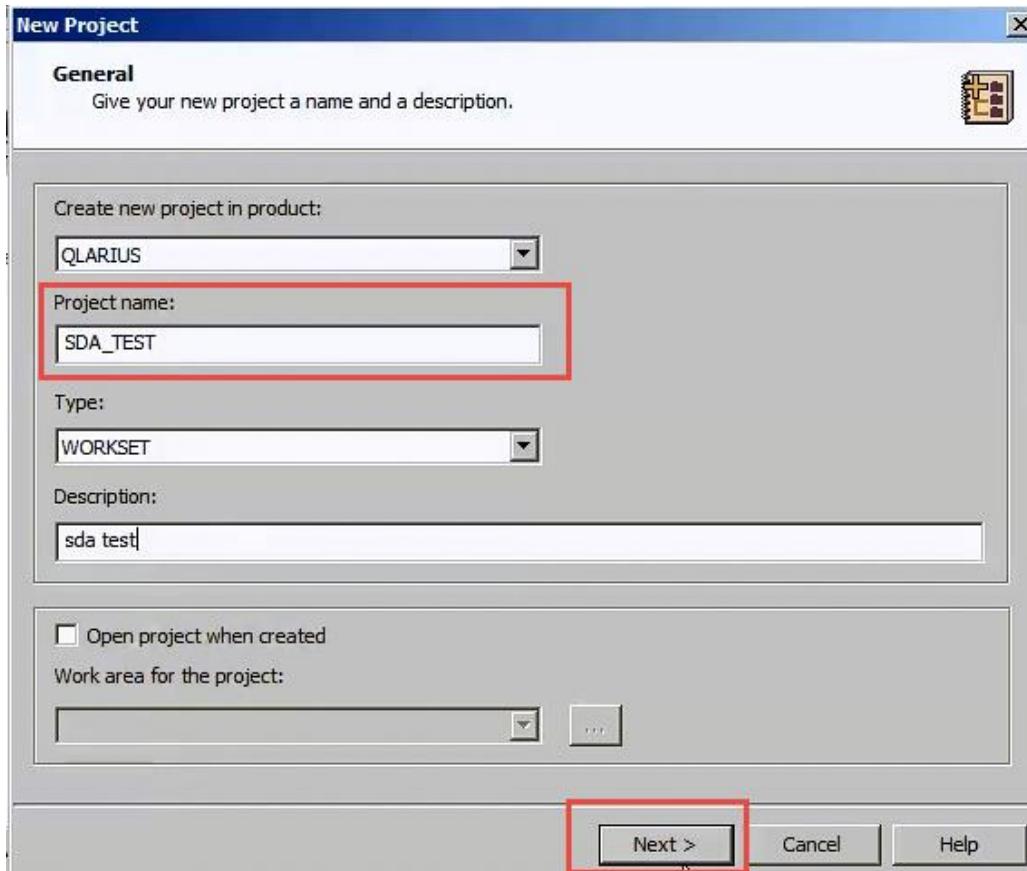
Scroll further down and specify the description as below

Description	Uploaded from the CM plugin from SDA
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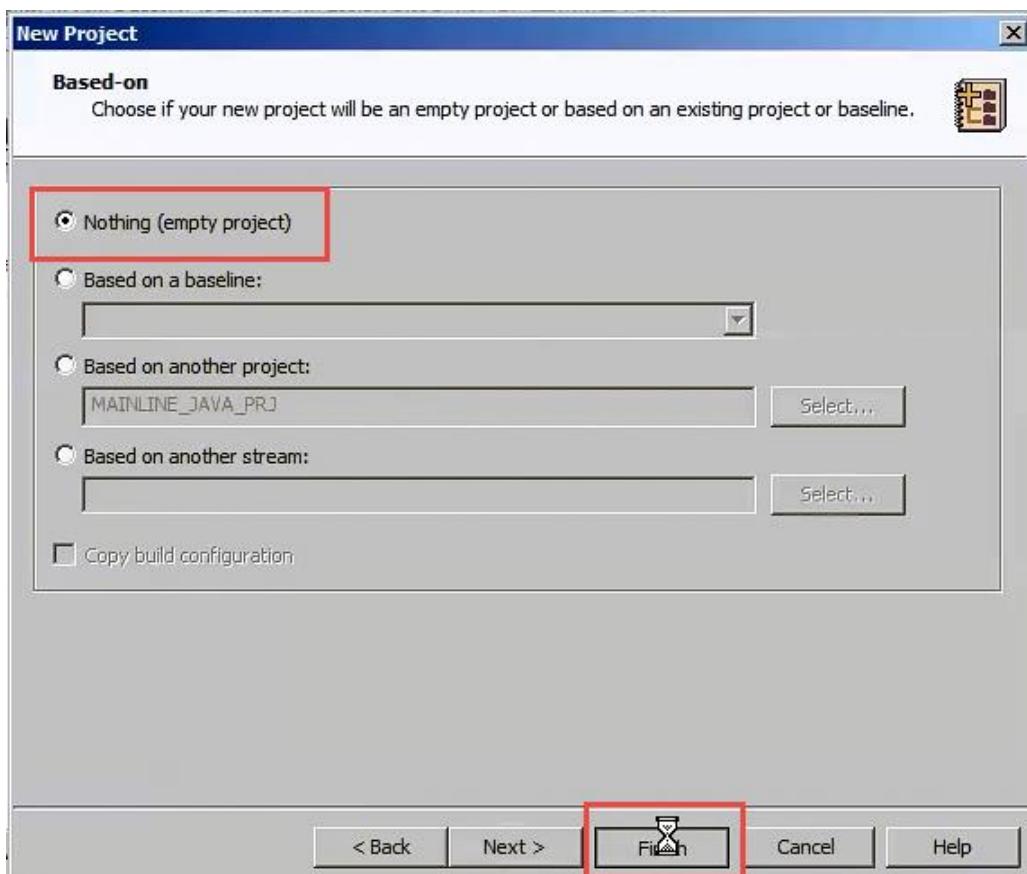
Scroll to the bottom of the dialog and click on **Save** to store the new step.

Join the Create File to the Upload File or Directory step.

Login to the CM Client and create a new Project called **SDA_TEST** and click on **Next**.



Specify and **empty project** and click on **Finish**



Open the SDA_TEST project in client and minimise the client session.

Return to the SDA screen, under the Available Plugin Steps select **Integration | Serena | Dimensions CM** and select the step **Create Baseline** and place this below the Upload File or Directory step.

Fill out the screen as below:

Ensure that the login details match the current Dimensions CM server

For **Baseline Name** click on **Prompt for a value on use** which will then display set a value here

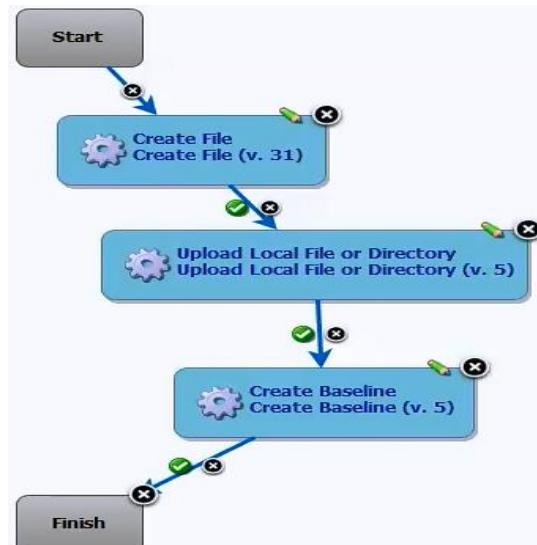
For **Baseline Type** specify the value **BASELINE**

Edit Properties

Name *	Create Baseline
User ID *	dmsys
	<u>Prompt for a value on use</u>
Password	*****
	<u>Prompt for a value on use</u>
Server *	pc-st-w28k
	<u>Prompt for a value on use</u>
DB name *	cm_typical
	<u>Prompt for a value on use</u>
DB Connection *	dim12
	<u>Prompt for a value on use</u>
Product Name *	QLARIUS
	<u>Prompt for a value on use</u>
Based on *	SDA_TEST
	<u>Prompt for a value on use</u>
Baseline Name	Set a value here
Baseline Type *	BASELINE
	<u>Prompt for a value on use</u>

Attributes

Scroll down and click on the **Save** button and join the remaining steps and click on the disc icon: under **Tools** to save the design.



Step 4: Run the process

Go to the Dashboard Tab, and specify the following as shown in the screenshot below

File Name: **test_file_one.java**

Baseline Name: **SDA_TEST_BASELINE_NO1**

Then click on **Submit**

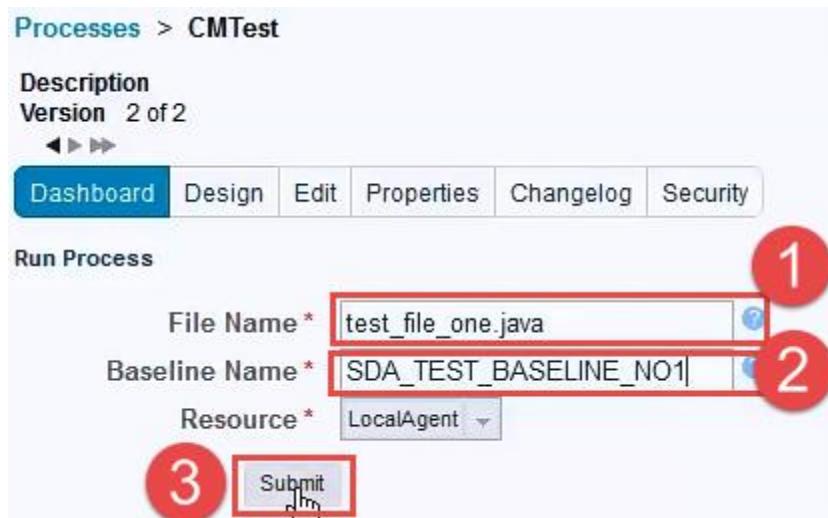
Processes > CMTTest

Description
Version 2 of 2

Run Process

File Name * **test_file_one.java** (1)
Baseline Name * **SDA_TEST_BASELINE_NO1** (2)
Resource * LocalAgent

3 Submit



After a minute or so the 3 steps should complete

Step	Type	Start	Duration	Status	Action
Create File	File Utils v_31_164	10:02:03 AM	0:00:06	Success	  
Upload Local File or Directory	DimensionsCM v_5_123	10:02:08 AM	0:00:10	Success	  
Create Baseline	DimensionsCM v_5_123	10:02:18 AM	0:00:09	Success	  
Total Execution		10:02:03 AM	0:00:25	Success	

Switch to the Dimensions client and refresh the view by select **View | Refresh | All views**. The file **test_file_one.java** should now appear in the **SDA_TEST** project as below:

Folders and Items (QLARIUS:SDA_TEST)

Folders and Items

1 Related Item

Filename	Revision	Status	Update Date
test_file_one.java	1.0	UNDER WORK	13-Mar-2015 10:02:15

Select the Baseline Catalogue view and the baseline should appear containing the aforementioned file:

Baseline Catalog

1 Baseline, 1 selected

1 Related Item

ID	Creation Date
SDA_TEST_BASELINE_NO1	13-Mar-2015 10:02:2

1 Related Item

Filename	Revision	Status	Update Date
test_file_one.java	1.0	UNDER WORK	13-Mar-2015

End of document