



How to use Document Management Service

Project name: Document Management Service

Package version: 1.0.4

Version	Date	Description
1	July 22, 2022	Document created

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INTRODUCTION

This document describes the SAP Build Process Automation sample **Document Management Service** and provides the following information:

- Description (functional and technical)
- Version used to generate this sample

It also contains information on prerequisites, such as the steps to follow before launching the agent.

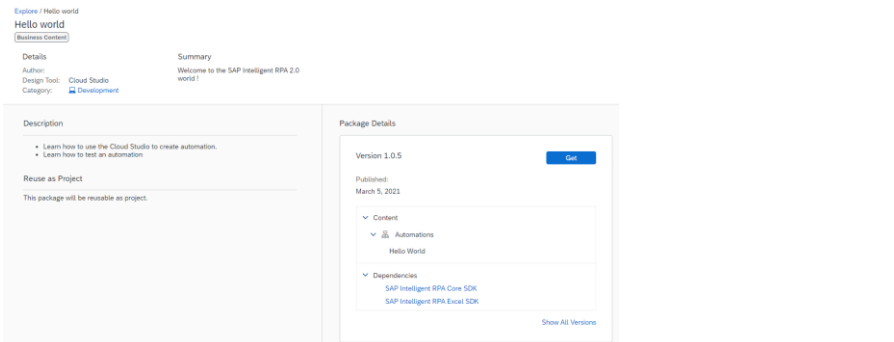
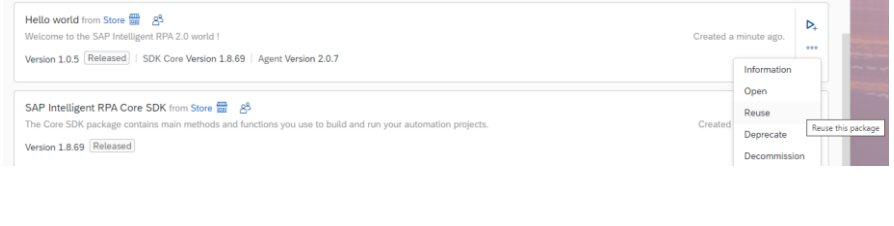
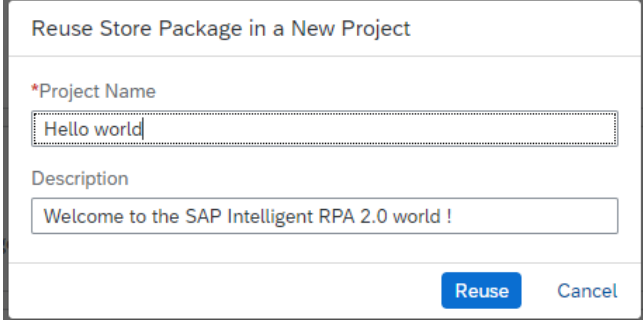
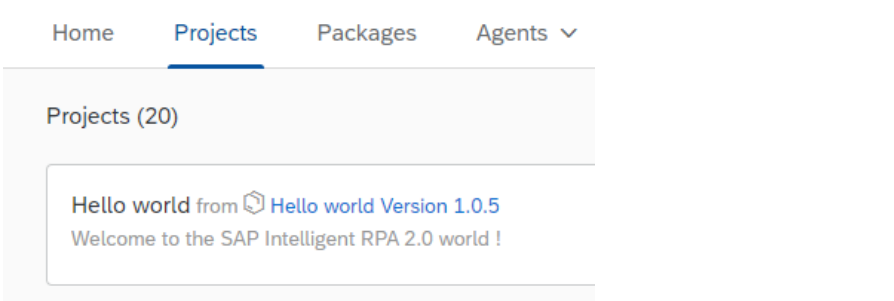
IMPORTANT RECOMMENDATION

General

To use this sample, you need to have a basic knowledge and understanding of SAP Build Process Automation tool. At the very least you need to know how to build an automation, add and modify activities and generate a package.

Reuse the sample as a new project

Note: screenshot might display a different name than the one of this sample.

<p>From the Cloud Factory, open the Store tab and select the sample you want to retrieve.</p> <p>Click on the Get button.</p>	
<p>Once the package is retrieved, open the Packages tab of the Cloud Factory.</p> <p>Click on the Options button of the package you just retrieved and select the option Reuse.</p>	
<p>Set a name for the project to be created.</p>	
<p>Open the project that has just been created.</p>	
<p>If needed, update the content of this project, and generate a new package from it.</p>	

You need to execute this procedure to be able to open the project and see all its content (the captured applications, the declared items, the automations, etc.).

DESCRIPTION

This package contains captures, datatype and automations that are described below. See chapter Version for more details about the version of the Desktop Agent and the SDK dependencies.

Settings

This section describes the settings of the project such as environment variables or dependent packages that are used in the automation.

Environment variables

Name	Description	Type
DocMgmt	Destination created in the BTP Cockpit. It contains information to reach the service (URL, authentication, etc.)	Destination

Dependent packages

N/A

Captures

This section describes the captures which were made to pilot the application in this sample. It will also describe the different methods which were used to capture the pages and declare the items.

N/A

Datatypes

This section describes the datatype used in this sample. It describes the structure of the datatype and where it is used in the automations.

DMS Object

Name of attribute	Type	Description
objectId	String	Unique id of an object in the DMS repository
Name	String	Name of an object in the DMS repository
objectType	String	Type of DMS object. Can be: <ul style="list-style-type: none">- document- folder

Automations

Create folder

Input/Output

Name	Type	Input/Output	Description
folderName	String	Input	Name of the folder to be created
folderPath	String	Input	Path of the folder. Leave empty if the folder is to be created at root. Otherwise, provide path.

Description

This automation uses the Destination created in the BTP Cockpit to reach the DMS service. The agent sends a specific query to create a folder which name and location are provided as input parameter.

If the folder cannot be created for some reason (not unique name, etc.) then an error is thrown and the job fails.

Delete item

Input/Output

Name	Type	Input/Output	Description
folderName	String	Input	Name of the folder to be created
folderPath	String	Input	Path of the folder. Leave empty if the folder is to be created at root. Otherwise, provide path.

Description

This automation uses the Destination created in the BTP Cockpit to reach the DMS service. The agent sends a specific query to create a folder which name and location are provided as input parameter. If the folder cannot be created for some reason (not unique name, etc.) then an error is thrown by the service and the job fails.

Download document

Input/Output

Name	Type	Input/Output	Description
UploadedFileName	String	Input	Name of the file in the DMS repository
folderName	String	Input	Location of the document in the DMS repository
outputPath	String	Input	Location where the document is to be downloaded

Description

The agent connects to the DMS repository to retrieve the document which unique name is used as input parameter. The output of the *Call Web Service* activity is of type **buffer** so it is needed to convert it to a string of character before to write it at a specified location. If the document cannot be retrieved for some reason (missing, etc.) then an error is thrown by the service and the job fails.

Get folder content

Input/Output

Name	Type	Input/Output	Description
folderName	String	Input	Path of the folder
dmsItems	DMS Object (list)	Output	Path of the folder. Leave empty if the folder is to be created at root. Otherwise, provide path.

Description

This automation uses the Destination created in the BTP Cockpit to reach the DMS service. The agent retrieves the list of all objects contained in the folder which name is provided as input parameter. This automation is not a recursive one. If the folder contains a folder, you will have to launch the automation again to retrieve the content of the latest. If the list of objects cannot be retrieved for some reason, then an error is thrown by the service and the job fails.

Remove folder content

Input/Output

Name	Type	Input/Output	Description
folderName	String	Input	Name of the folder to be emptied

Description

This automation executes **Get folder content** as a sub-automation. Then it will execute the **Delete item** sub-automation for each element which was retrieve previously. If it cannot delete one item, an error message is displayed in the log and the bot continues its execution.

Upload document

Input/Output

Name	Type	Input/Output	Description
filePath	String	Input	Path of the file to be uploaded
folderName	String	Input	Name of the folder where the document will be uploaded
fileName	String	Input	Name of the file in the DMS repositoty. Must be unique

Description

This automation uses the Destination created in the BTP Cockpit to reach the DMS service. The agent will send the document to the DMS repository using a specific request.

If the document cannot be sent for some reason, then an error is thrown by the service and the job fails.

VERSION

The product versions used to generate this sample are detailed below. This sample is provided “as is”, with no warranty that it will work correctly with other versions. If some versions of your software are different (such as the tool version or the target application version), you may need to recapture the application and/or update the workflow activities.

SAP Build Process Automation

This sample targets the Desktop Agent **2.0.8** or higher.

The following SDK dependencies were used to generate this sample: 1.27.60

See [documentation](#) for more details about the compatibility between SDK version and Desktop Agent.

Target application

N/A

PREREQUISITES

Global setup

SAP Build Process Automation must be installed in accordance with the installation guide available [here](#). An SAP Build Process Automation Factory must be available with a suitable environment (containing an agent). All information can be found in the “Getting Started” section accessible via the above link.

Specific steps to follow before launching the agent

- Create a destination in the BTP Cockpit targeting your Document Management Service repository. The URL of the destination should be of the form *https://api-sdm-di.cfapps.eu10.hana.ondemand.com/browser/{repository id}/root/*
- Import this destination in the Cloud Factory (see [documentation](#))

EXPECTED OUTPUT

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