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SAP Data Services

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Custom Functions User's Guide

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1 Introduction

1.1 Documentation set for SAP Data Services content objects


You should become familiar with all of the pieces of documentation that relate to the SAP Data Services blueprints and other content objects.

Document	What this document provides
<i>Content Objects Summary</i>	Lists all of the available blueprints and other content objects and the jobs and other objects that they contain.
<i>Content Objects What's New</i>	Highlights the new and enhanced blueprints and other content objects available for this release.
<i>Data Quality Management Custom Functions User's Guide</i>	Contains instructions for downloading and importing custom functions.
<i>Data Quality Management Match Blueprints User's Guide</i>	Contains a list of available Data Quality Management match blueprints and instructions for downloading, configuring, and running them.
<i>Data Quality Management Microservices Blueprints User's Guide</i>	Contains a list of available Data Quality Management microservices blueprints and instructions for downloading, configuring, and running them.
<i>Data Quality Management Product Blueprints User's Guide</i>	Contains a list of available Data Quality Management product blueprints and instructions for downloading, configuring, and running them.
<i>Data Quality Management Regional Blueprints User's Guide</i>	Contains a list of available Data Quality Management regional blueprints and instructions for downloading, configuring, and running them.

1.2 SAP information resources

A global network of SAP technology experts provides customer support, education, and consulting to ensure maximum information management benefit to your business.

Useful addresses at a glance:

Address	Content
Customer Support, Consulting, and Education services https://support.sap.com/ 	Information about SAP support programs, as well as links to technical articles, downloads, and online forums. Consulting services can provide you with information about how SAP can help maximize your information management investment. Education services can provide information about training options and modules. From traditional classroom learning to targeted e-learning seminars, SAP can offer a training package to suit your learning needs and preferred learning style.

Address	Content
Product documentation http://help.sap.com/bods/	SAP product documentation.
Product Availability Matrix (PAM) https://apps.support.sap.com/sap/support/pam	Get information about supported platforms for SAP Data Services. Use the search function to search for Data Services. Click the link for the version of Data Services you are searching for.
SAP Data Services Community http://scn.sap.com/community/data-services	Get online and timely information about SAP Data Services, including forums, tips and tricks, additional downloads, samples, and much more. All content is to and from the community, so feel free to join in and contact us if you have a submission.
Blueprints https://wiki.scn.sap.com/wiki/display/EIM/SAP+Data+Services+Blueprints	Blueprints for you to download and modify to fit your needs. Each blueprint contains the necessary SAP Data Services project, jobs, data flows, file formats, sample data, template tables, and custom functions to run the data flows in your environment with only a few modifications.

1.3 Introduction to SAP Data Services 4.2 content objects

Welcome to SAP Data Services 4.2 version 14.2.0 Content Objects.

Data Services overview

SAP Data Services delivers a single enterprise-class solution for data integration, data quality, and data profiling that allows you to integrate, transform, improve, and deliver trusted data to critical business processes. It provides one development UI, metadata repository, data connectivity layer, run-time environment, and management console—enabling IT organizations to lower total cost of ownership and accelerate time to value. With SAP Data Services, IT organizations can maximize operational efficiency with a single solution to improve data quality and gain access to heterogeneous sources and applications.

Data Services Content Objects overview

We've identified a number of common scenarios that you are likely to perform with SAP Data Services. For each scenario, we've included a blueprint that is already set up to solve the business problem in that scenario. Each blueprint contains the necessary project, jobs, data flows, file formats, sample data, template tables, and custom functions to run the data flows in your environment with only a few modifications.

You can download the blueprint packages from the SAP Community Wiki. On the website, we periodically post new and updated blueprints, custom functions, best practices, whitepapers, and other content. You can refer to this site frequently for updated content and use the forums to provide us with any questions or requests you may have.

Instructions for downloading and installing the content objects are also located on the SAP Community Wiki.

2 Custom functions overview

The Data Quality Management Custom Functions package contains custom functions that perform additional manipulation of data that is common with the cleansing and matching of party data.

For a description of each custom function, see the *Content Objects Summary*.

3 Downloading and importing custom functions

Context

These are the general steps for downloading and importing the Data Quality Management custom functions for SAP Data Services.

Procedure

1. To access the SAP Community Network website, go to <https://www.sdn.sap.com/irj/boc/blueprints> in your web browser.
2. Log into your account using your username and password, or create a new account.
3. Select the Custom Functions package in the Other Tools group. A new page opens.
4. Select *View Document*.
5. Save the .zip file to the Tutorial Files folder in your installed SAP Data Services path. By default, this folder is installed to \Program Files\SAP BusinessObjects\Data Services\Tutorial Files for 32-bit Windows and \Program Files (x86)\SAP BusinessObjects\Data Services\Tutorial Files for 64-bit Windows.

If you are running on UNIX, the Tutorial Files folder exists only on the Windows client workstation, and you should download the .zip file there.
6. In the Tutorial Files folder in Windows Explorer, right-click the .zip file and select to extract the compressed (zipped) folders to the Tutorial Files folder. For example, if you use WinZip for file compression, right-click the .zip file and select **WinZip > Extract to here**.
Extracting creates a Data Quality Mgmt Samples subfolder and places the dqm_custom_functions.atl file in that folder.
7. In the Designer, import the dqm_custom_functions.atl file. In the Passphrase window, enter **dqm_custom_functions** and click *Import*. Click *OK* to close the warning window.
Importing the file adds custom functions to your object library whose names begin with CF_.

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