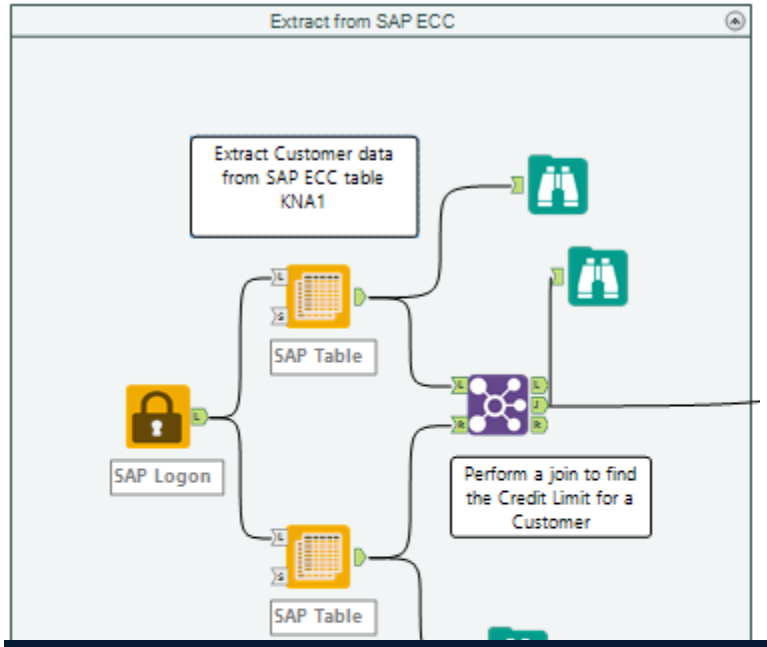

INTRODUCTION TO THE DVW ALTERYX CONNECTORS FOR SAP

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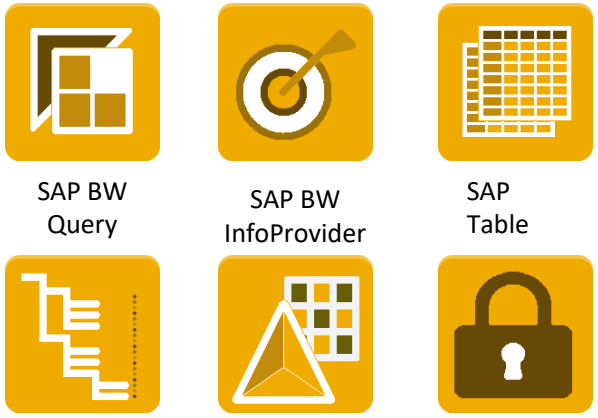
ALTERYX CONNECTORS FOR SAP

Alteryx Connector for SAP (ACS) for SAP BW & SAP Business Suite



Alteryx Connector for SAP Business Objects (ACS BOP)

Alteryx Data Loader for SAP BW (ADLS)

- Request a Free Trial: http://www.dvwanalytics.com/free-trial.html
- Product Demos: http://www.dvwanalytics.com/product-demos.html

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ALTERYX CONNECTOR FOR SAP FEATURES

- Are installed as Alteryx plug-ins
- Run on Alteryx Designer & (optional) Alteryx Server
- Require no installation on SAP or BusinessObjects
- Require no additional hardware to run
- Connect directly to SAP & BusinessObjects using standard API's
- Respect the SAP & BusinessObjects authorisations of the user
- Do not require the staging of data
- Work seamlessly with the Alteryx tools

- Easy to use & quick to learn
- Enable automation & scheduling of workflows
- Free up countless hours of tedious data extraction, blending & preparation
- Enable big data & scalable analysis by circumventing the limitations of standard SAP tools
- Boost frequency with which analyses & reports can be prepared
- Minimize manual errors by removing Excel as a manual data staging area

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ALTERYX CONNECTOR FOR SAP FUNCTIONALITY

Alteryx Connector for SAP

- SAP BW Queries
- SAP BW Query Views
- SAP BW InfoProviders (incl. InfoCubes, MultiProviders & InfoSets)
- SAP BW Texts
- SAP BW Hierarchies
- SAP Tables (e.g. from SAP ECC, SAP CRM, SAP CRM, SAP HCM, SAP BW etc.)

Alteryx Connector for SAP BusinessObjects

- BusinessObjects Universes
- BusinessObjects Webi

Alteryx Data Loader for SAP

- Load data into SAP BW

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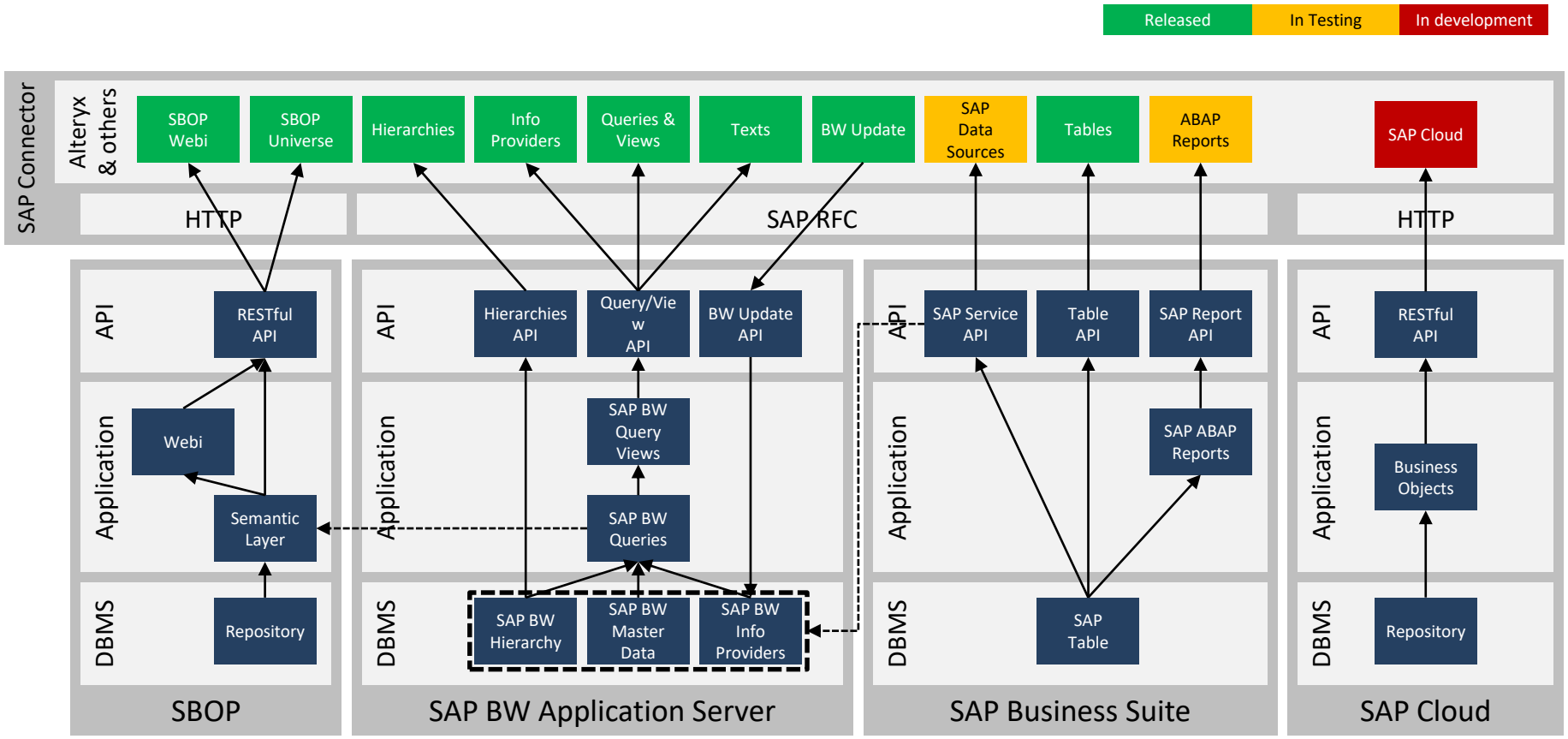
SAP CONNECTOR ARCHITECTURE



EXAMPLE OF ALTERYX CONNECTOR FOR SAP (SAP BW & SAP BUSINESS SUITE)

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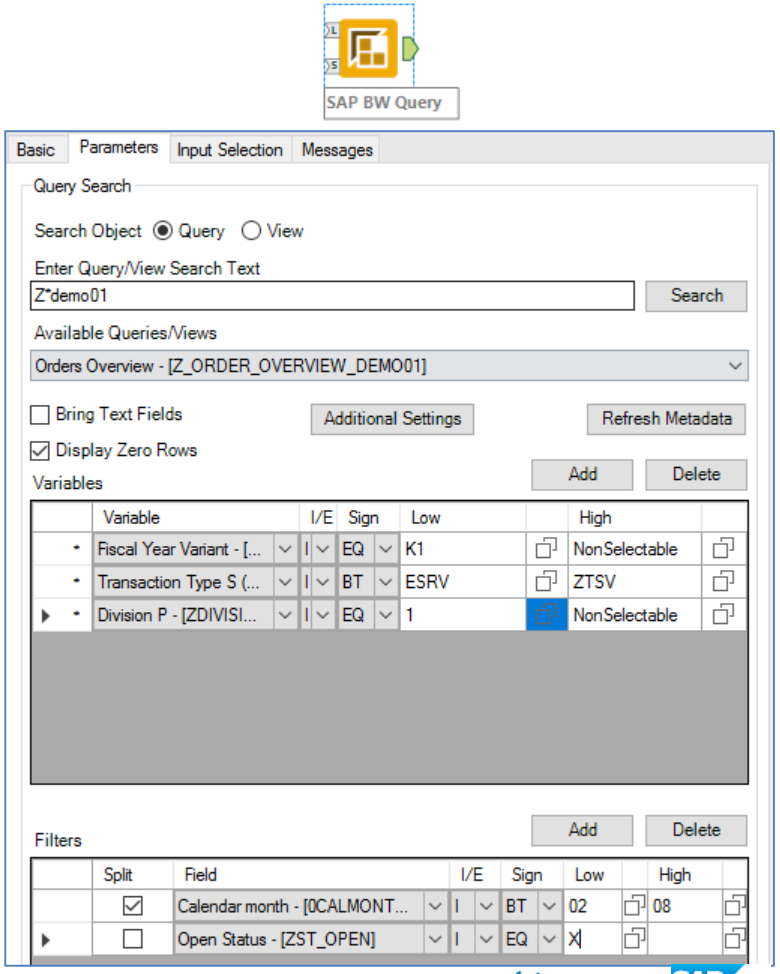
ACS FUNCTIONALITY

SAP BW Query

- Search for any SAP BW Query
- Enforces mandatory Variables
- Allows further narrow down of the results via Filters
- Allows to add or remove output Characteristics and Key Figures at will, thus you are in control of output
- Allows to bring Text fields at will
- Displays output metadata (list of output fields) even before execution starts, thus you know what to expect in the output and can control it
- Allows to search and execute Query Views
- Accepts Hierarchy based variables
- Allows dynamic setting of Variables and Filters, so that you can schedule the Query executions



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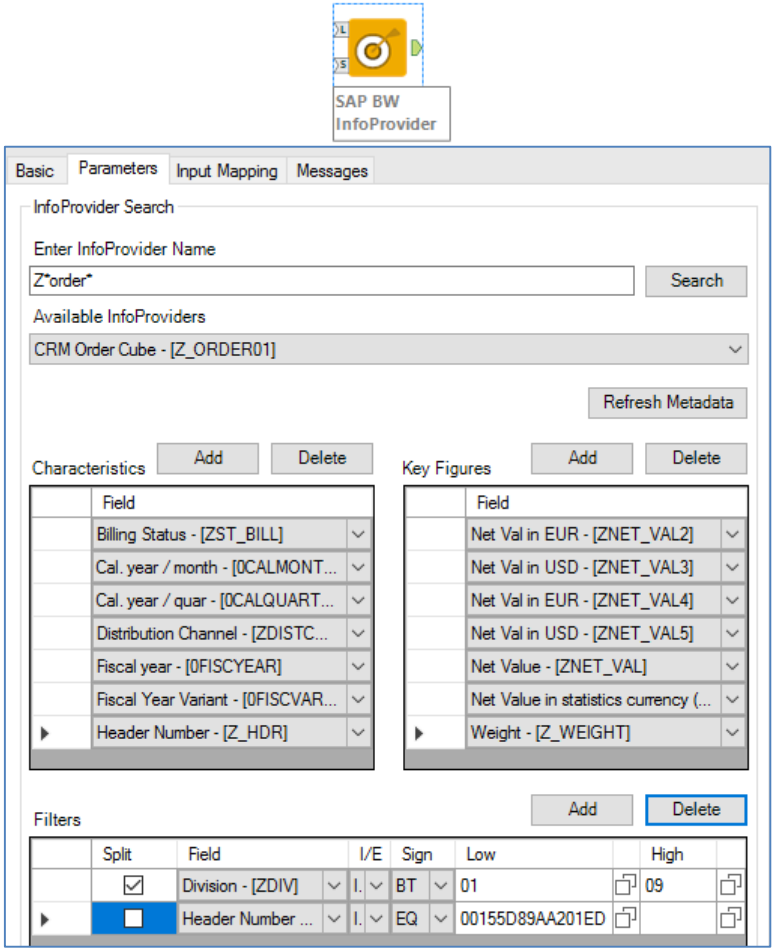
ACS FUNCTIONALITY

SAP BW InfoProvider

- Extract data directly from InfoCubes, MultiProviders, Virtual Providers, Datastore Objects, and InfoObjects
- Add output Characteristics and Key Figures at will
- Narrow down the output using Filters
- Allows dynamic setting of Filters, so that you can schedule the Query executions



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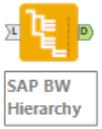
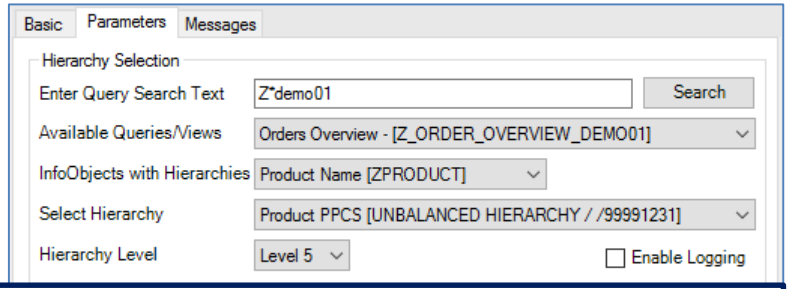
ACS FUNCTIONALITY

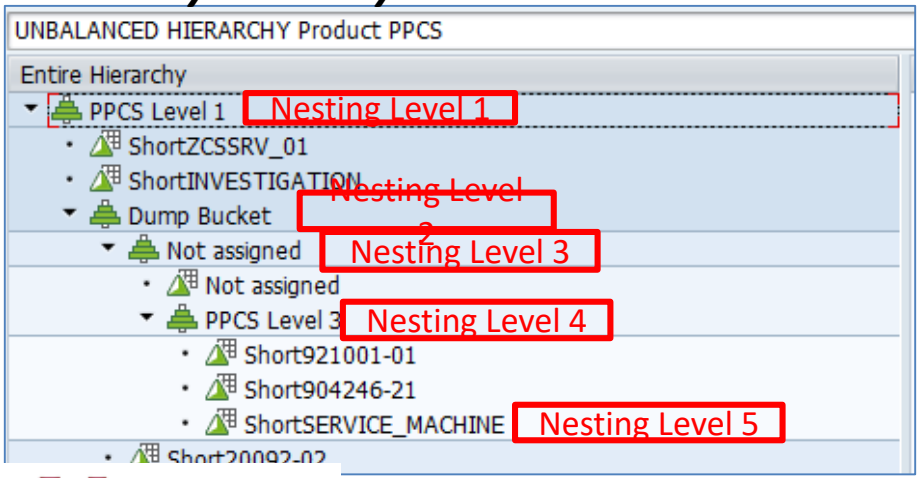
SAP BW Hierarchy

- Extract balanced/unbalanced hierarchy data in optimised flat tables
- Use any level in hierarchy to blend with other data sets using tools such as union and join





Hierarchy in SAP system



Hierarchy extracted in Alteryx

Level_1	Level_2	Level_3	Level_4	Level_5	Leaf_Node
PPCS LEVEL 1	ZCSSRV_01				ZCSSRV_01
PPCS LEVEL 1	INVESTIGATION				INVESTIGATION
PPCS LEVEL 1	DUMP BUCKET	#	#		#
PPCS LEVEL 1	DUMP BUCKET	#	PPCS LEVEL 3	921001-01	921001-01
PPCS LEVEL 1	DUMP BUCKET	#	PPCS LEVEL 3	904246-21	904246-21
PPCS LEVEL 1	DUMP BUCKET	#	PPCS LEVEL 3	SERVICE_MACHINE	SERVICE_MACHINE
PPCS LEVEL 1	DUMP BUCKET	20092-02			20092-02
PPCS LEVEL 1	DUMP BUCKET	908887-02			908887-02
PPCS LEVEL 1	DUMP BUCKET	908887-2			908887-2
PPCS LEVEL 1	DUMP BUCKET	IAJ_PROD1			IAJ_PROD1
PPCS LEVEL 1	DUMP BUCKET	IAJ_PROD2			IAJ_PROD2
PPCS LEVEL 1	PPCS LEVEL 2B	20092-01			20092-01
PPCS LEVEL 1	PPCS LEVEL 2B	20499-01			20499-01
PPCS LEVEL 1	PPCS LEVEL 2	05366-01			05366-01
PPCS LEVEL 1	PPCS LEVEL 2	10513-01			10513-01

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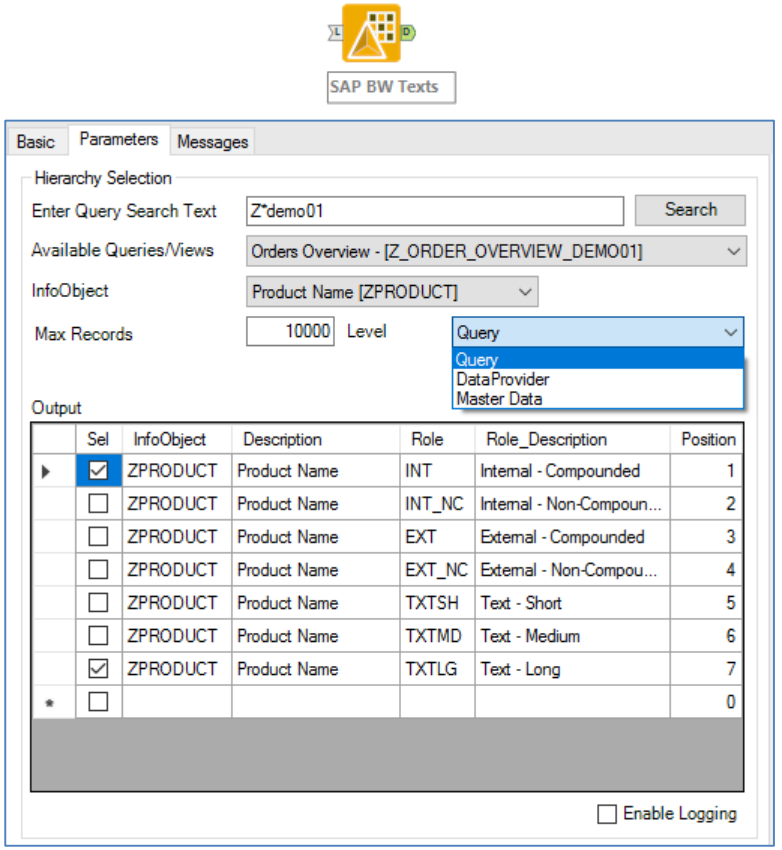
ACS FUNCTIONALITY

SAP BW Text

- Extract text for any InfoObject
- Use InfoObject key to join the data with other tools
- Find text from Query, DataProvider or Masterdata tables



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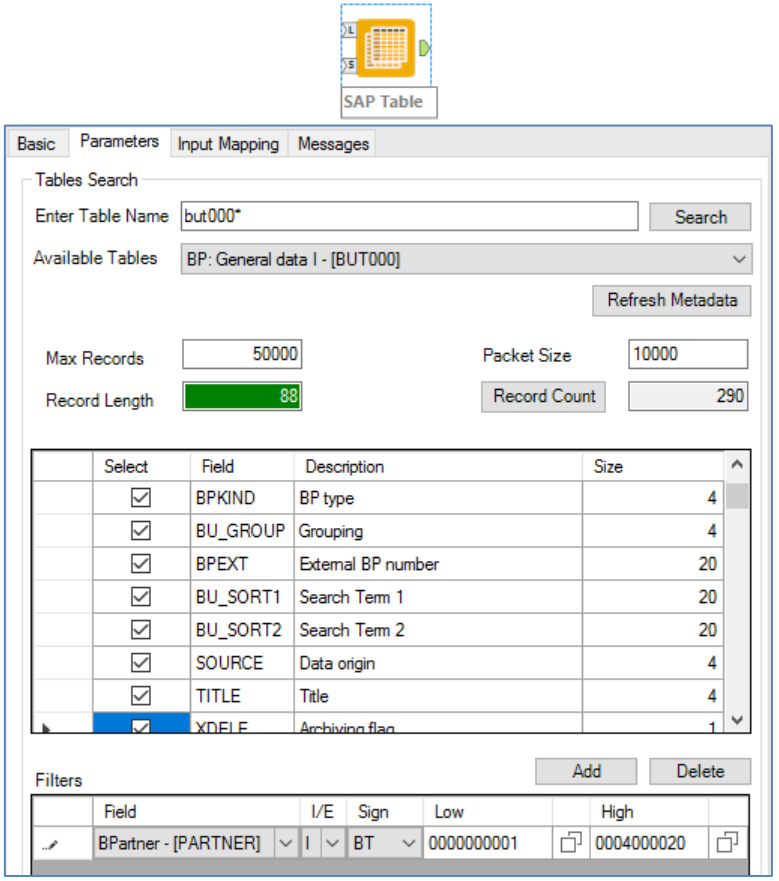
ACS FUNCTIONALITY

SAP Table

- Connect directly to SAP Tables in BW and ECC systems
- Access complete list of table fields and their data types
- Find out the total record count without executing the data request
- Control the number of records in the output
- Control the output fields list
- Highly optimised data requests; user data requests are processed in smaller chunks and data is put together in the frontend before displaying, so that SAP system does not run out of time and memory
- Allows dynamic setting of Filters, so that you can schedule the Query executions



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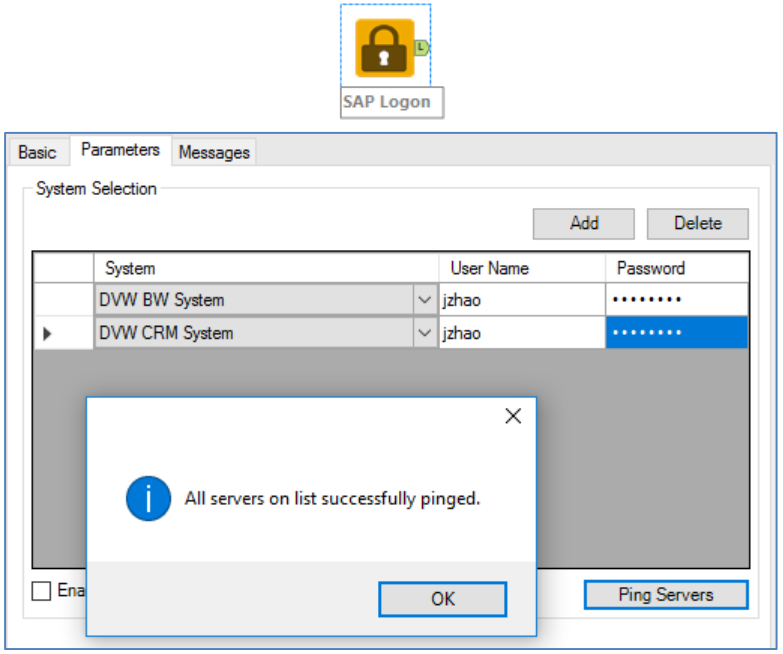
ACS FUNCTIONALITY

SAP Logon

- Login once per system and use that system to connect to as many SAP object as you like
- Allows to ping SAP systems, to discover connectivity
- Avoids users to lock themselves in SAP systems, as and when their SAP passwords are changed



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