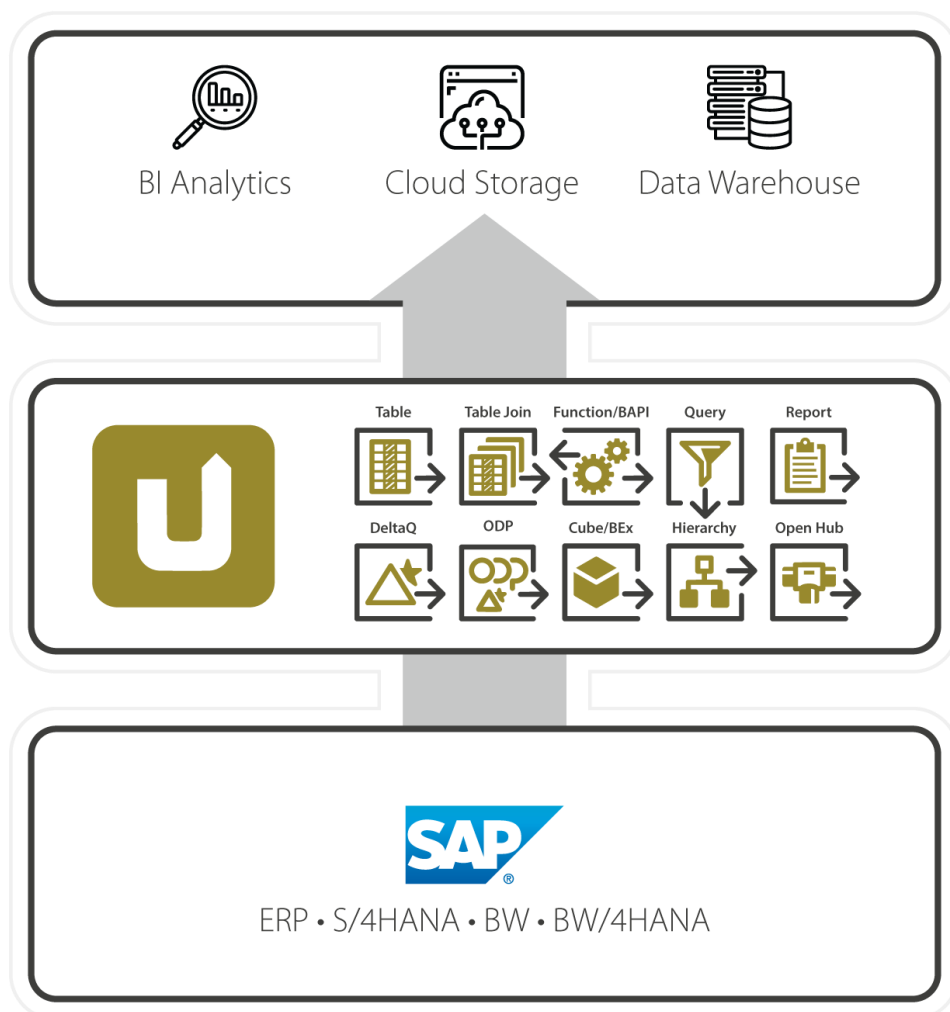


THEOBALD SOFTWARE

Requirements for the Installation of Xtract Universal (XU)

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II. Introduction

This document comprises requirements for the installation and operation of Xtract Universal in a short PoC (Proof of Concept).

It also includes information on which SAP installations and customizations are mandatory for using components of the SAP connector.

This document does not cover special applications and does not claim to be complete.

For more information, see the following links:

<https://help.theobald-software.com/en/xtract-is/index>

<https://help.theobald-software.com/en/xtract-universal/index>

<https://help.theobald-software.com/en/xtract-universal/introduction/requirements>

1. Windows Operating System

- Windows version: see

<https://help.theobald-software.com/en/xtract-universal/introduction/requirements#operating-systems>

- .Net Framework: see

<https://help.theobald-software.com/en/xtract-universal/introduction/requirements#other-applications-and-frameworks>

- Hardware-Requirements: see

<https://help.theobald-software.com/en/xtract-universal/introduction/requirements#hardware-requirements>

2. Ports / Network Settings

2.1 SAP-Ports

The following ports between the Windows server, on which the connector is installed and the SAP server from which data is extracted, must be open:

SAP NetWeaver Component	Port <i>NN</i> = System number of the SAP system, see https://help.sap.com/viewer/ports
SAP Application Server	33< <i>NN</i> >
SAP Message Server	36< <i>NN</i> >
Secure Network Communication (SNC)	48< <i>NN</i> >
SAP-Router	3399

2.2 Xtract Universal Ports

For the communication between the Xtract Universal Designer and the Xtract Universal (configuration) server the default port is 8064.

For the communication between the Xtract Universal (web) server the default ports are 8065 (HTTP) or 8165 (HTTPS).

The ports can be changed in the Designer under **Server > Settings**.

3. SAP User Rights

To connect to an SAP system and to extract data, an SAP user (system or dialog user) with dedicated user rights is needed. Usually an SAP system user (also called technical user) is used for the production environment.

Which rights are required for the SAP user is dependant on the component that is used for the data extraction. The following Knowledgebase article lists the necessary user rights::

<https://kb.theobald-software.com/sap/authority-objects-sap-user-rights>

The section **General Authority Object** documents the access rights needed to establish an SAP connection via RFC. The article is divided into subsections that documents the access rights needed for each component. Make sure to have the SAP Basis team set up a user with the designated user rights.

Attention: An SAP system user cannot be used to access SAP via the SAP GUI. To access SAP via the SAP GUI a dialog user is needed. We recommend using a dialog user with further administration rights (SE37, SE16, RSA3, ...) for the evaluation phase, so that the consultant can check data in the SAP system using the SAP GUI if necessary.

4. Installation & Customizing of the SAP System

If the installation of function modules or a customization of the SAP system is necessary, depends on the extraction type, see:

<https://help.theobald-software.com/en/xtract-universal/index#extraction-types>

The following table provides an overview of components and their respective SAP customization:

Component Usage	Details
Table, Table Join Extraction & Joining of SAP Tables and Views	Installation on the SAP system is recommended and depending on your scenario necessary: https://help.theobald-software.com/en/xtract-universal/sap-customizing/custom-function-module-for-table-extraction
Report Extraction of ABAP reports	Installation on the SAP system is necessary: https://help.theobald-software.com/en/xtract-universal/sap-customizing/install-report-custom-function-module

4.1 Installation

SAP transport requests for the installation of function modules is provided.
The transport request is located in the installation directory: *C:\Program Files\XtractProduct\ABAP*.

4.2 Customizing

For the following components a customization of the SAP system is necessary:

Component Usage	Details
DeltaQ Extraction of (OLTP / Export) DataSourcesaund (BW) Extractors	SAP customization: https://help.theobald-software.com/en/xtract-universal/sap-customizing/customizing-for-deltaq
OHS (Open Hub Services) Extraction of OHS destinations from a BW system	SAP customization: https://help.theobald-software.com/en/xtract-universal/sap-customizing/preparation-for-ohs-in-bw

For all other components no installation or customizing is necessary, see list below:

- ODP,
- BW Cube/Query,
- SAP Query,
- BAPI / Function Module,
- BW Hierarchy

Attention: To run an extraction, the SAP user rights have to be assigned as described in the section [SAP User Rights](#).

For the latest information on the installation and customization of the SAP system, see:

<https://help.theobald-software.com/en/xtract-universal/introduction/requirements#installation-and-configuration-on-sap>

For more information contact our support team at:

<https://support.theobald-software.com>