



## HOW BAMI WORKS

### BW/4HANA Automated Metadata Integration for SAP PowerDesigner

Profit from An Easy and Perfectly Viable Process:



BAMI is started in SAP PowerDesigner via an extension.



A pop-up window appears where you enter your credentials for SAP BW/4HANA and additionally the root object. BAMI will extract the metadata of all the BW objects situated below the root object in the dataflow.



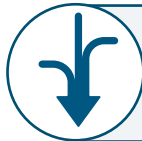
After confirming your credentials BAMI uses an RFC connection to call an ABAP function module in SAP BW/4HANA.



The function module provides the interface tables that are used to transfer the metadata from SAP BW/4HANA to SAP PowerDesigner. Furthermore, it calls the main method of the metadata extraction class (MEC).



The MEC starts the dependency recognition which analyzes the dataflow into the root object and recursively creates a list of all the BW objects that are situated below the root object in the dataflow.



The metadata of each listed BW object is collected with special methods depending on the TLOGO of the object. These methods are also provided by the MEC.



All the collected metadata is packed into the interface tables and sent back to the function module. It is then transferred to SAP PowerDesigner.



In SAP PowerDesigner the metadata can either be used to create a new data model (LDM) or to update an existing one.