Connecting an SAP table to a SharePoint external list by using BCS Connector
Launch the BCS Connector and click on *Edit SharePoint* (1) 
Provide the connection details and credentials (2) 
Click *Test Connection* (3) to make sure a connection can be established.
Setup the SAP connection to SAP by clicking the button (1)
Provide logon credentials (2) and system details (3)
Click on Test Connection to make sure the connection is established (4)
Fill in a proper name for the *Model, LOB System* and *LOB System Instance* (1)
Click on New to start the wizard to create a new entity (2)
Choose *Table* as object type (1)
Press *Next* to proceed (2)
Type in T001W (1) and search for the SAP table with plant master data by clicking the Search button (2)
Click on Select to proceed (3)
Now you see the table fields. Two Operations ReadTable and ReadTableRecord has been automatically generated. Click *Save Model* (1) to deploy the model as an external content type to Sharepoint.
Optionally open the SharePoint Designer and check the External Content Type (1) deployed by BCS Connector (2) 
(Nothing to do here. This step is only to make it clearer what happens.)
Back to the BCS Connector Designer switch to the *External Lists* tab (1) and click on *New External List* (2), then on *Create* to generate an external list based on this entity in SharePoint (3).
Open a browser and browse to the SharePoint site (1)
Enjoy the list with all your SAP data (2)
If you have any questions or comments, please write at:
support@theobald-software.com