Autodesk® Vault Professional 2012 Integration to SAP® Made Easy

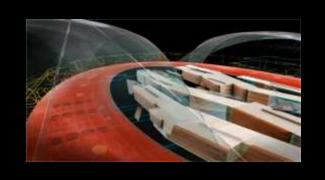
Klaus Loerincz Senior Consultant / MFG / CE

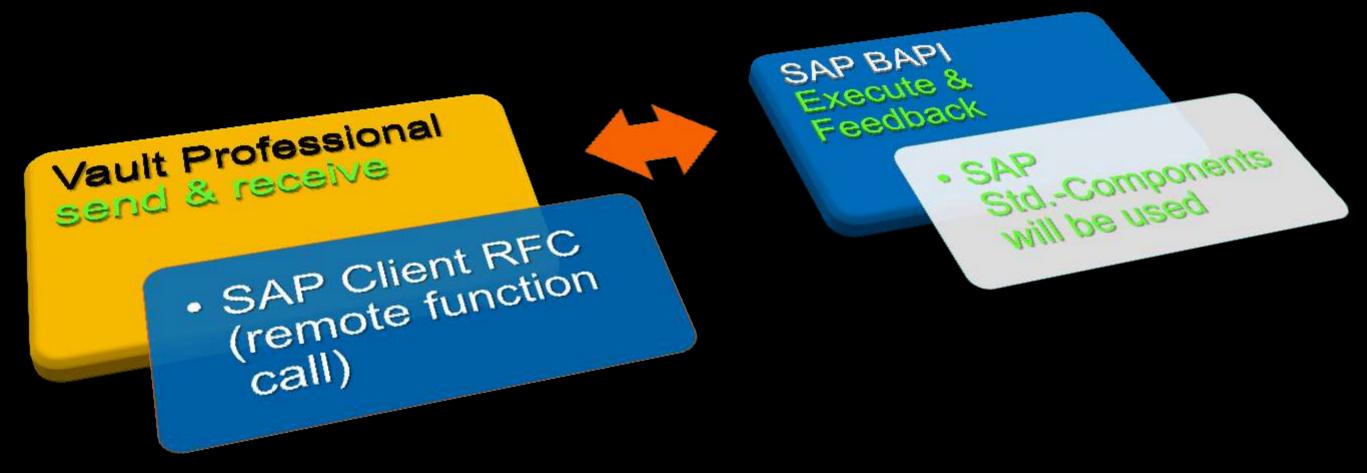
... What is It?.....





Which Technology will be used?





Appearance



- Integrated into the Autodesk Vault Professional Environment
 - Configurable Menus



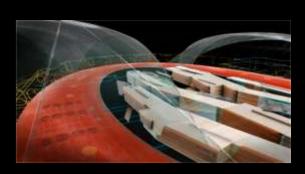


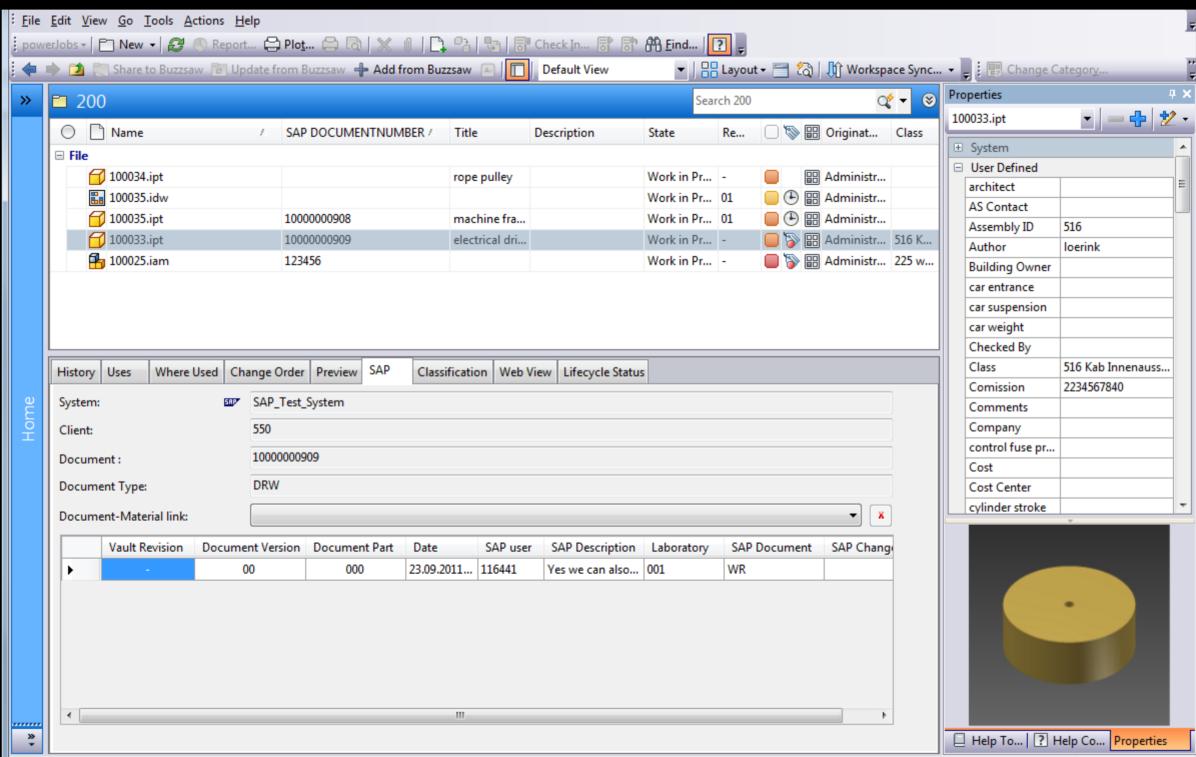
Workflow Engine / Job Server

Main Menu & Toolbar



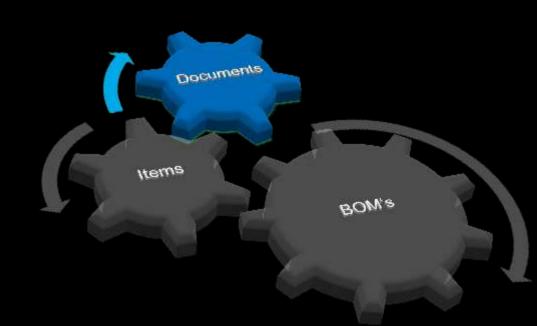
Documents / DIR

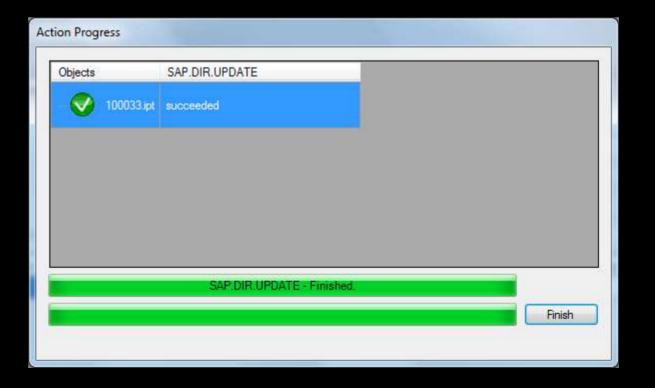


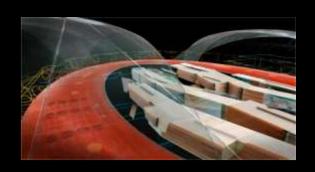




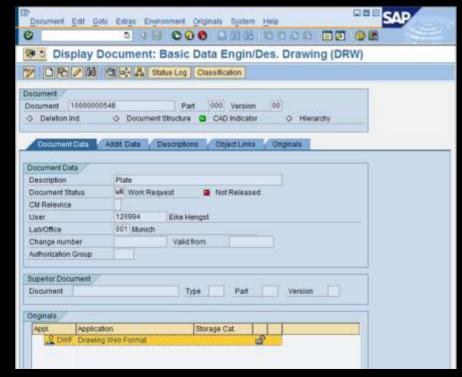
- SAP Documents (DIR)
 - Create (Multilingual)
 - Update
 - Create New Version
 - Classification & Attributes (create/update)
 - Create Document/Material Link
 - Release of Documents in SAP from Vault



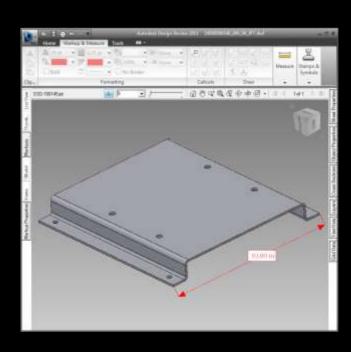




- SAP Documents (DIR)
 - Chained Actions & Conditions / Custom Def's
 - Attach DWF or native Files to DIR
 - Attach one or more Files to one SAP DIR
 - e.g. Model and Drawing to one DIR



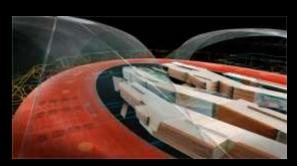


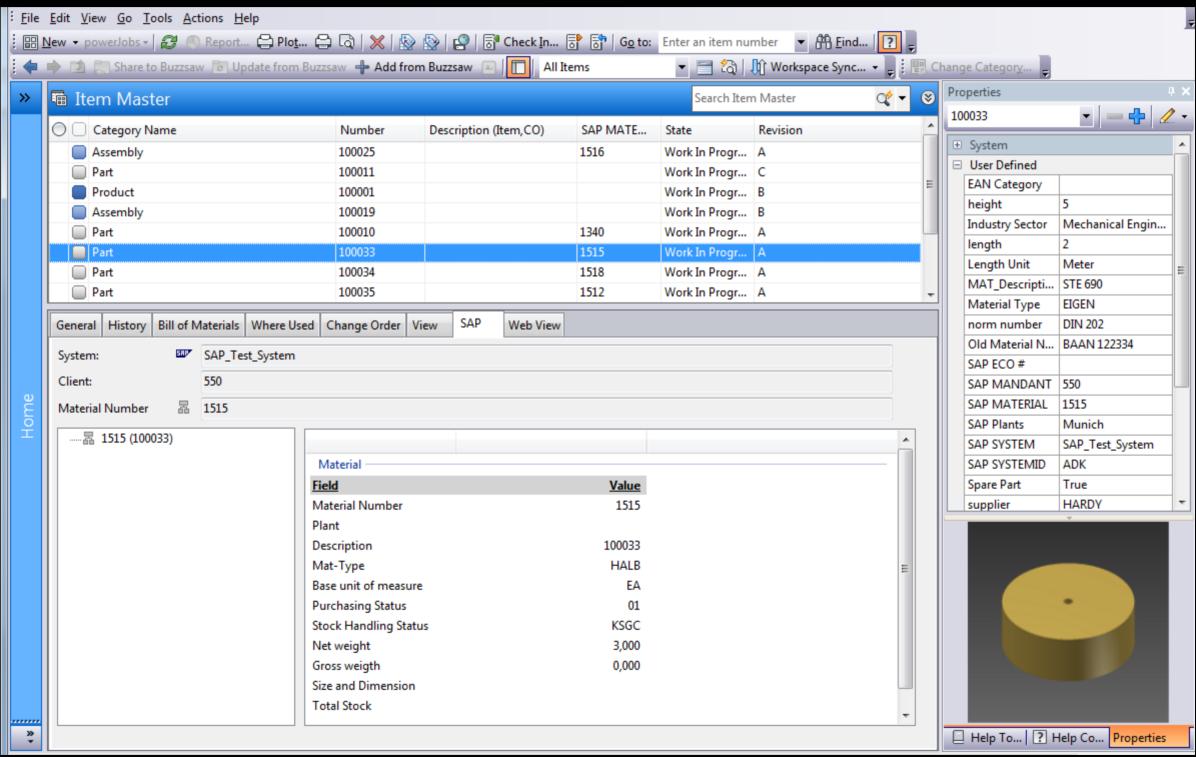


Documents

Items

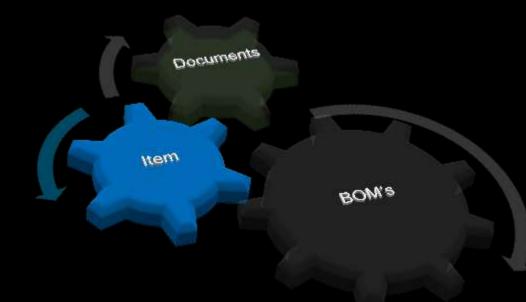
Items / Material Master

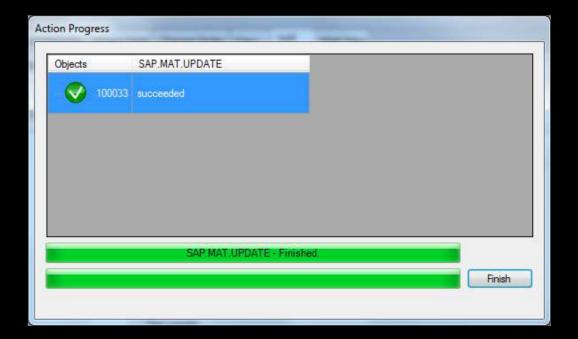




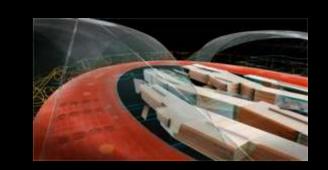


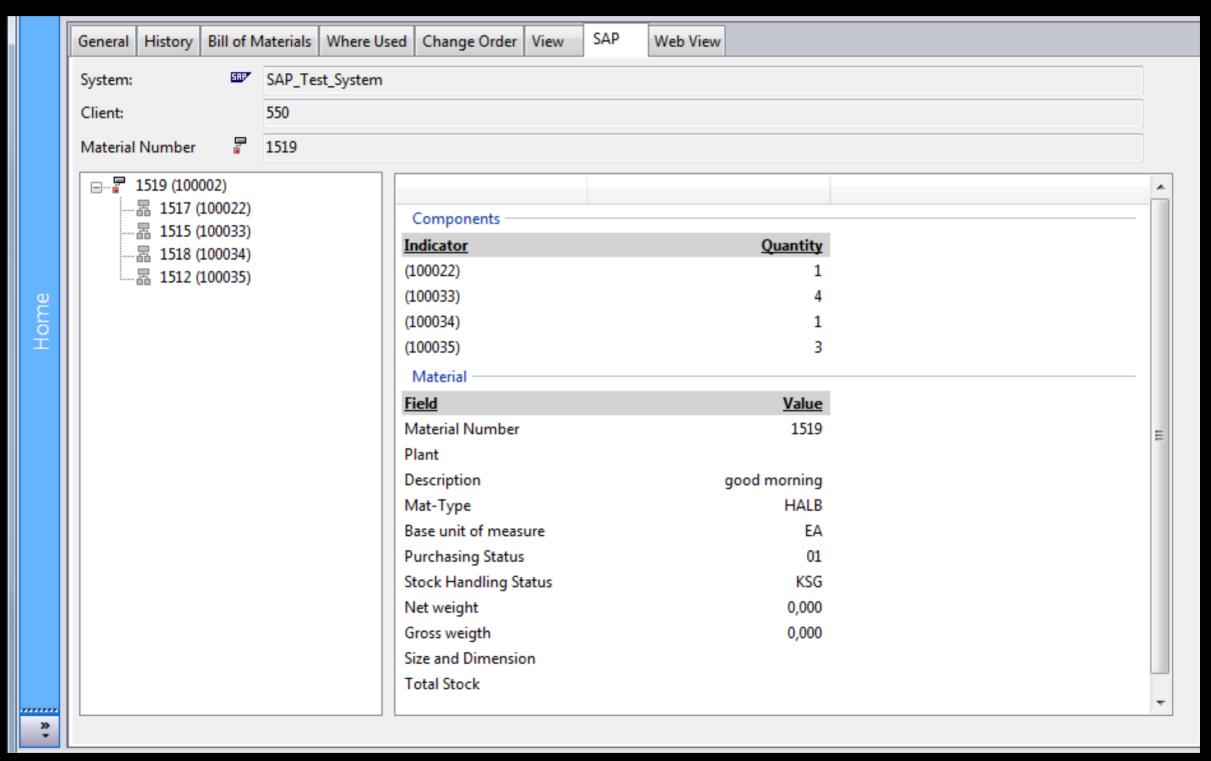
- SAP Material
 - Create* (Multilingual)
 - Create with Classification
 - Create* from SAP Template
 - Update
 - Create Document/Material Link
 - Chained Actions & Custom Definitions
 - Write to Long Text Fields (Multilingual)





Bill of Materials



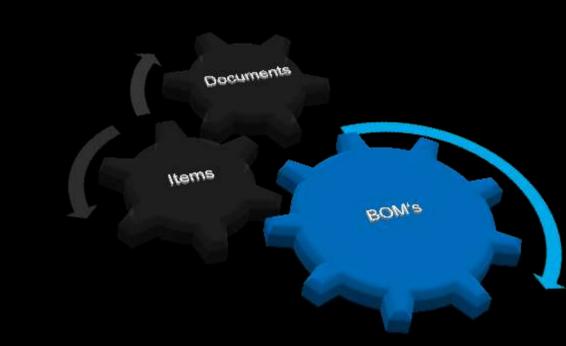


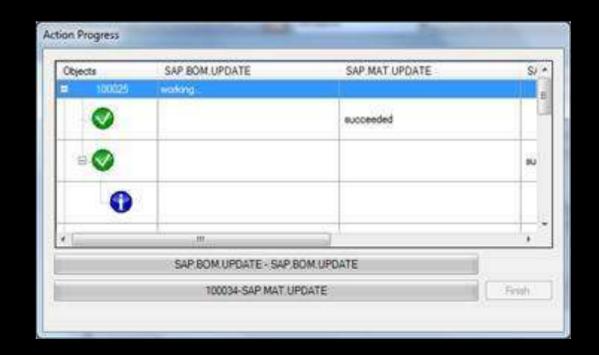


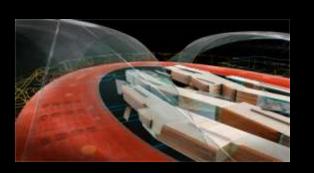
SAP BOM (Material Based BOM)

Create (Plant / Group)

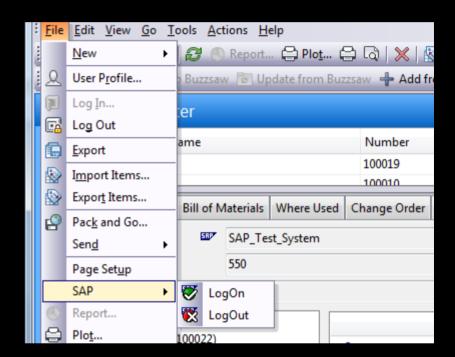
- One Level
- Multi Level
- Update (Plant / Group)
- Triggered Material Master Creation
- Triggered DIR-Creation
- "View" or "Compare" BOM from SAP within the Vault Interface



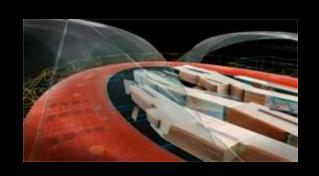




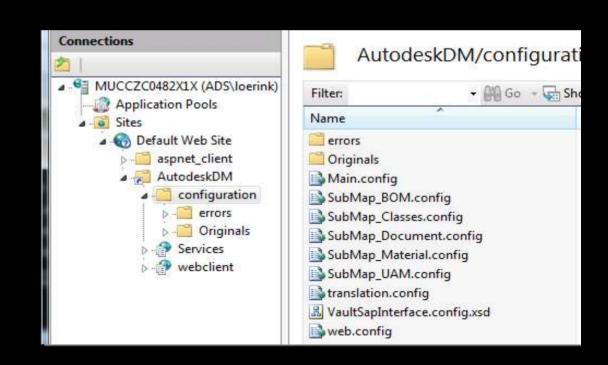
- How does the Communication to SAP work in the Product?
 - Basic Workflow
 - Login / Logout
 - Communication via RFC
 - SAP BAPI Direct- execution
 - Menu- & Object Focus





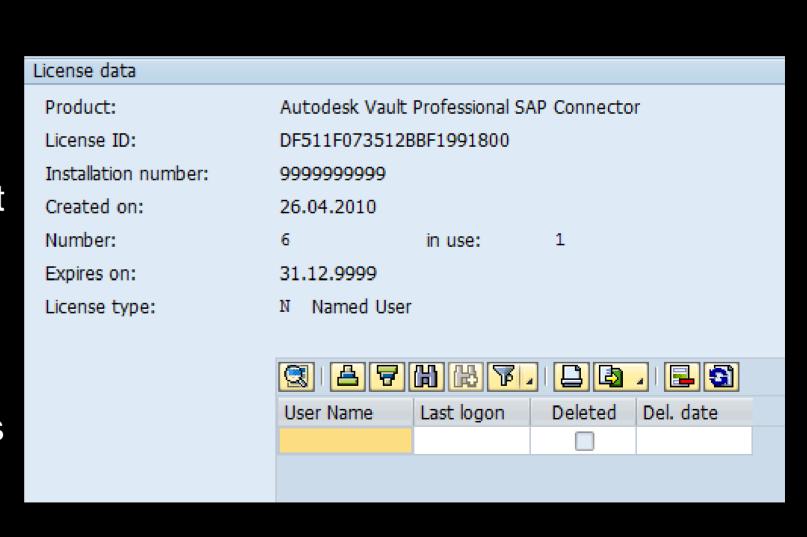


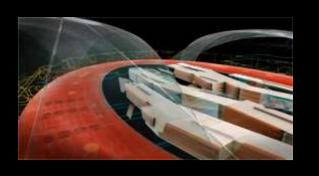
- What about the Installation of the Product ?
 - Product Content:
 - MSI Installation (also Silent)
 - Installation per User
 - User Rights in Vault
 - Configuration can be stored on the ADMS server Webpage





- What about the Licensing?
 - After Install of the Product you will have:
 - License Manager (Unique Application)
 - 6 Licenses to connect to SAP® right away (Fast Install)
 - How: all as SAP Transports



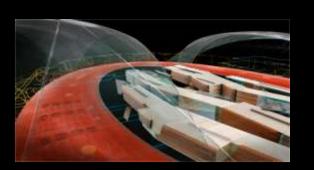


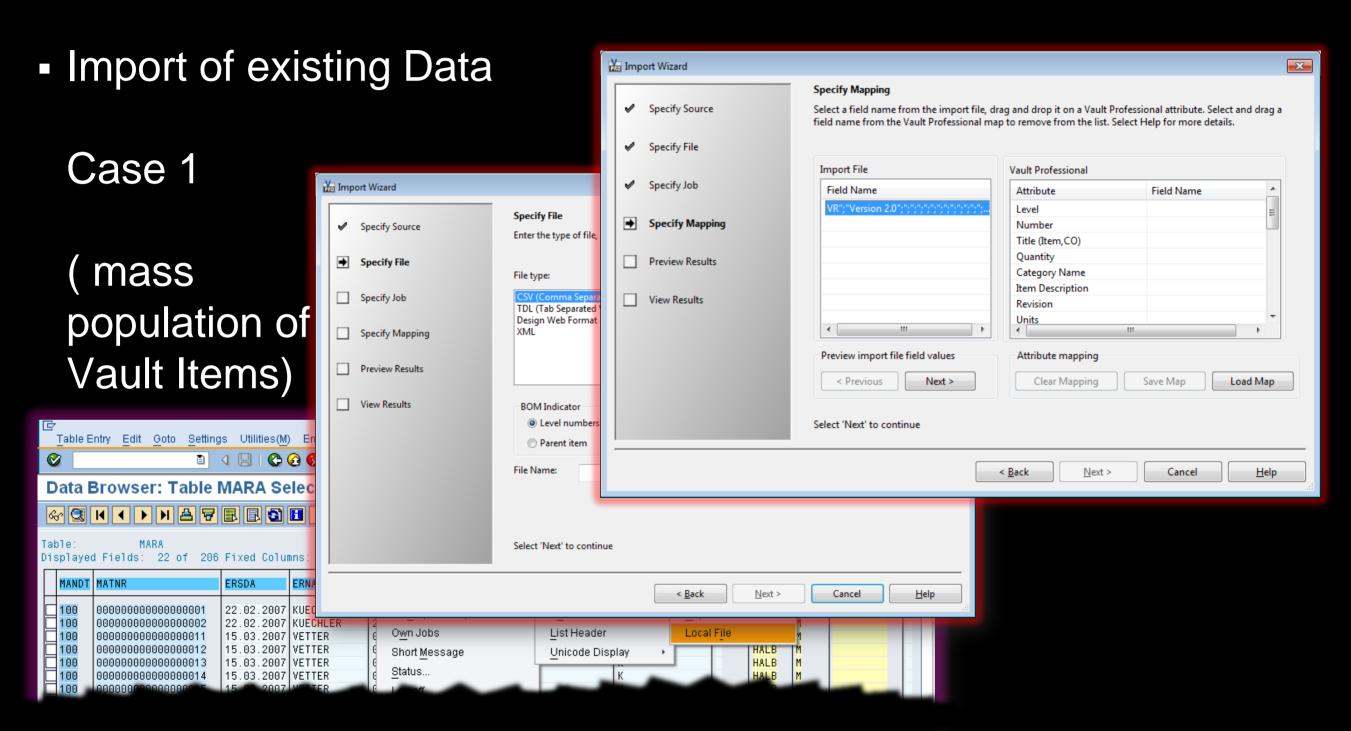
SAP System	
SAP GUI Version	SAP System
6.40, 7.1, 7.2	Minimum : 4.6 C 4.7,
WIN7 (64 Bit)	ERP2004,
nur 7.2(*)	ECC 5.0,
	ECC 6.0

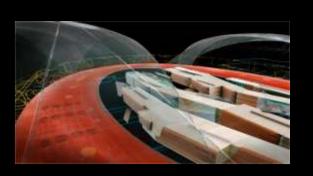


Installation for Language:

- German
- English
- Language Extension can be provided by Autodesk Consulting/Partner or the Customer







Linking of exiting General History Bill of Materials Where Used Change Order View Data in Vault & SAP SAP_Test_System System: Client: 550 Material Number 303 303 Case 2 271 (VMG-155977) **BOM Head Properties** 304 (VMG-155980) (daily work) 305 (VMG-155978) Field **Value** 306 (VMG-155976) Material Number 303 307 (VMG-155975) BOM usage Plant 0001 Create SAP Material Alternative Lifecycle State: Revision level Create SAP Material from Valid from 21.05.2010 Change No. Create SAP Document-Ma **BOM Status** Valid from 21.05.2010 Last Updated: Components Change SAP Material Indicator Quantity roperties: 271

304

305

306 307

Name

EHT Farbe

SAP MANDANT

SAP MATERIAL

SAP SYSTEM Werkstoff / Value

Rot

550

303

SAP_Test_System



What can be Configured?

```
Job. Vault Helper.psm 1 🗵 📋 vaultsapinterface.config 🗵 📋 Sub Map_BOM.config 🗵 📋 Main.config 🗵 🖺 Vault_SAP_Interface.xml 🗵 📋 Sub Map_Material.config 🗵 📋 Sub Map_Document.config 🗷 📋 Sub Map
 <?xml version="1.0" encoding="utf-8"?>
□<vault sap interface xsi:noNamespaceSchemaLocation="VaultSapInterface.config.xsd" xmlns:xsi="http:</p>
     <!-- Debug console and configuration help - 0 console deactivated, 1 active but hidden, visible
     <debug console="1" />
     <!-- Text mapping for translation -->
     <translations location="translation.config" />
     <!-- default SAP connection settings -->
     <connections>
     <!-- Menu configuration -->
     <menus>
     <!-- User configuration -->
     <users>
     <!-- User Groups configuration-->
     <groups>
     <!-- Command configuration -->
      <actions>
      <maps>
     <!-- Configuration for material templates -->
     <item>
     <!-- Configuration for views of documents and materials -->
      <views>
     <!-- Configuration for manage files (Upload to SAP, save to local folder or both, rename) -->
      <document>
      <workarounds>
     <jobserver>
```

FAQ



 Do I have to change anything within the integration or within SAP after install?

 \rightarrow No

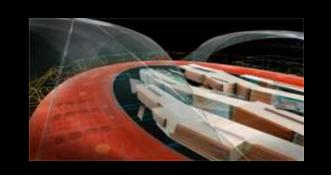
 Do I have to configure the Integration after the install?

→ Yes (XML)

Can i do a "Quick Deployment (*)"
 with the software ? (* = Testinstallation @ customer)

→ Yes (6 Licences are contained in the software after install)

Summary



- What are your Advantages ?
 - Autodesk Standard Product!
 - Development aligned with Vault!
 - Data Transfer to SAP can be configured! (Original/Neutral)
 - Data Control is maintained by Engineering!
 - Better CAD Support then SAP direct Integrations
 - One SAP Integration for many CAD Applications!
 - Data only needs to be entered in Engineering once!



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