

### **Agenda**

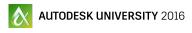
Brief introduction to VDS

What's new in VDS 2017

What's changed in VDS 2017

Q&A

Information sources





### **Brief introduction to VDS**





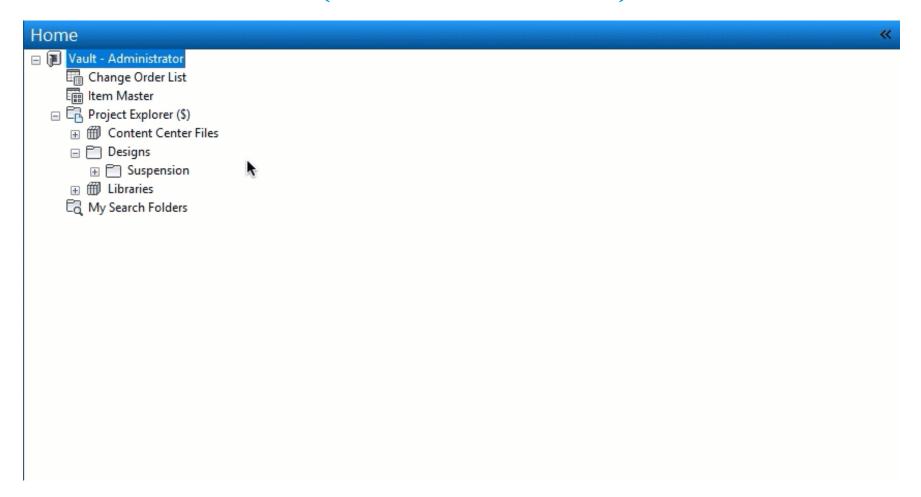
### **VDS** is a product

- It's a free Autodesk Vault Extension
- Works with Vault Workgroup and Professional
- Available since Vault 2014
- It helps enter and maintain data in a standard way

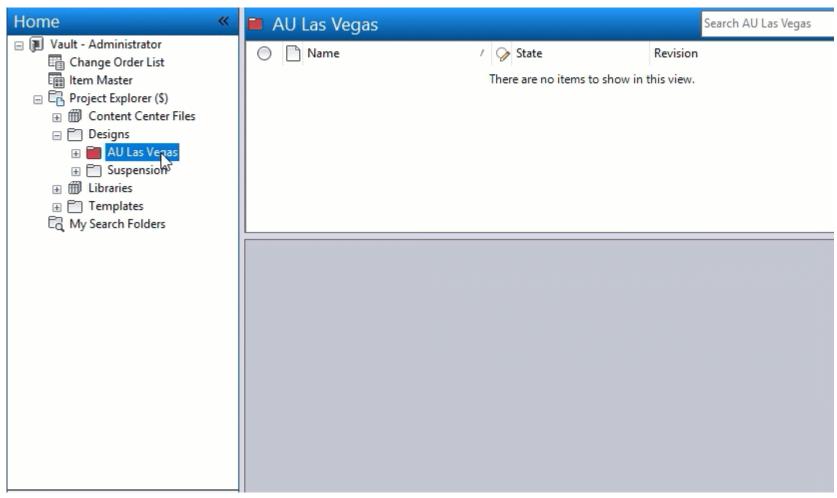




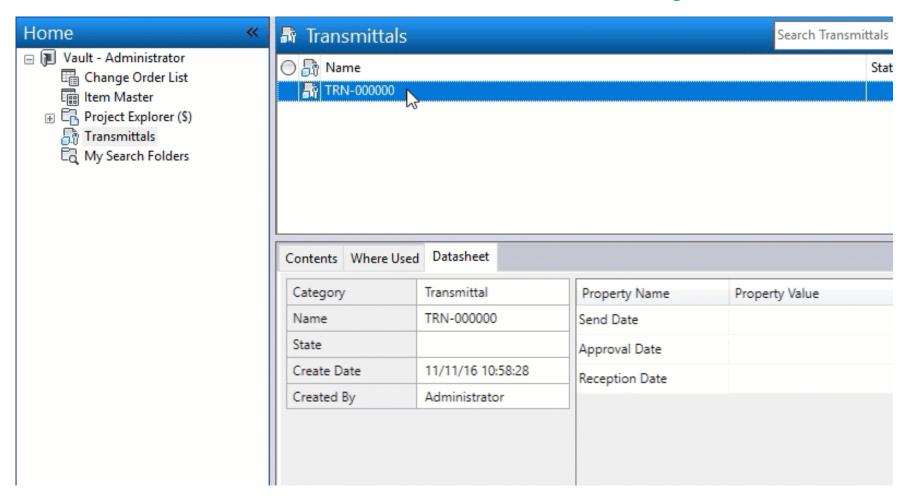
### VDS with Vault (new/edit folders)



## VDS with Vault (new/edit files)



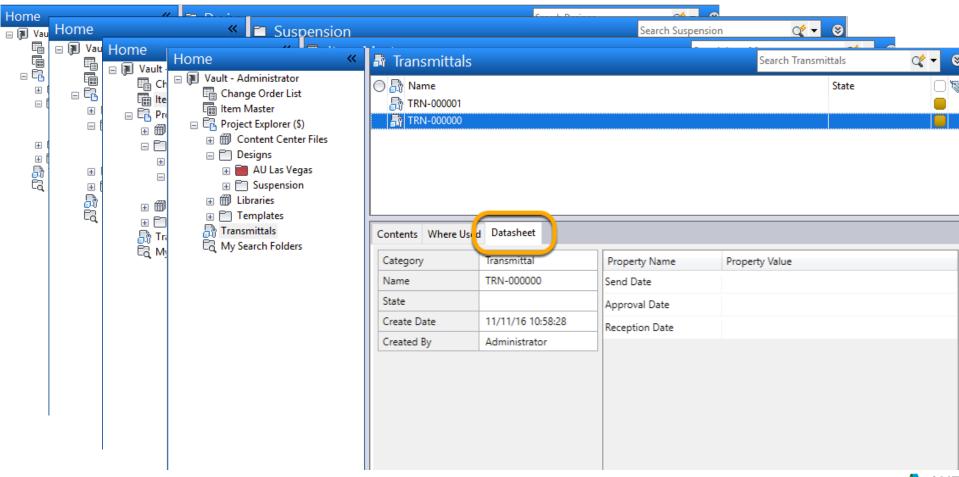
#### VDS with Vault (new/edit custom objects)







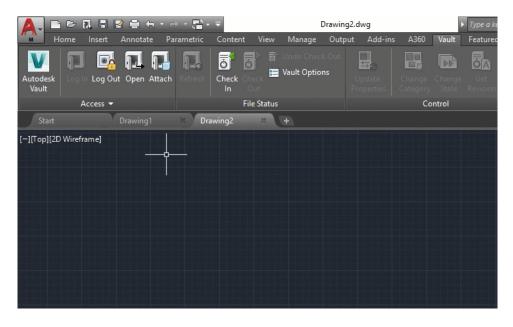
#### **VDS** with Vault (tabs)

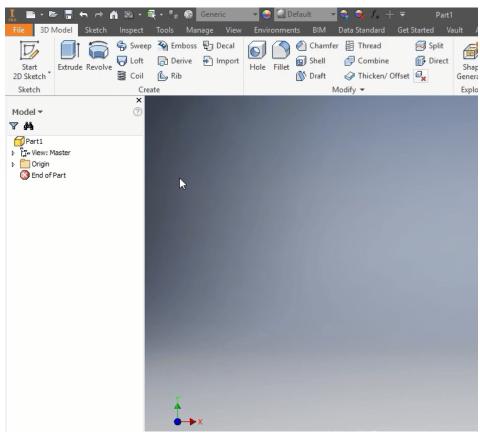






### VDS with CAD (AutoCAD/Inventor)





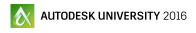




#### **VDS** is a customization framework

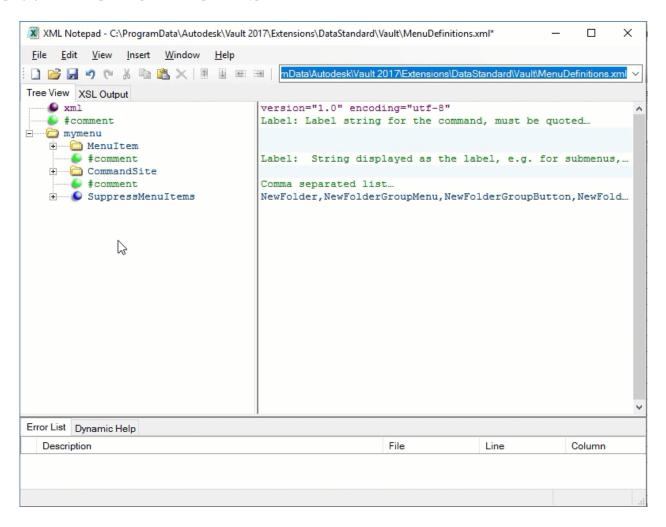
#### VDS makes Vault customizations

- Simpler
- Accessible
- Compatible



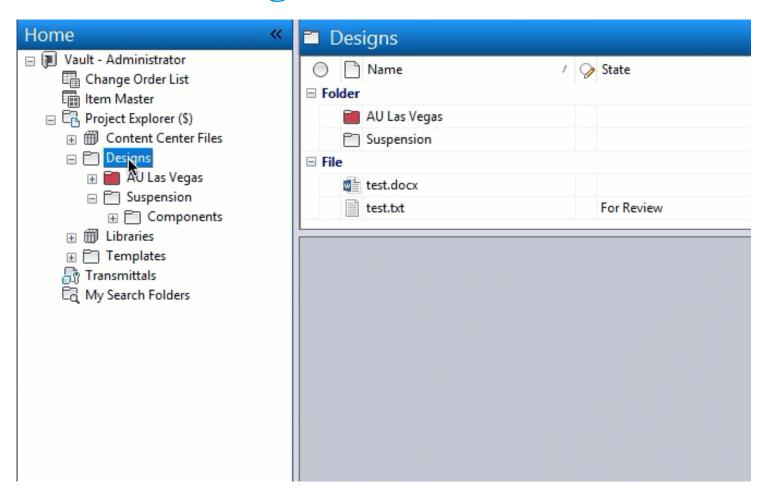


#### Vault new menu items



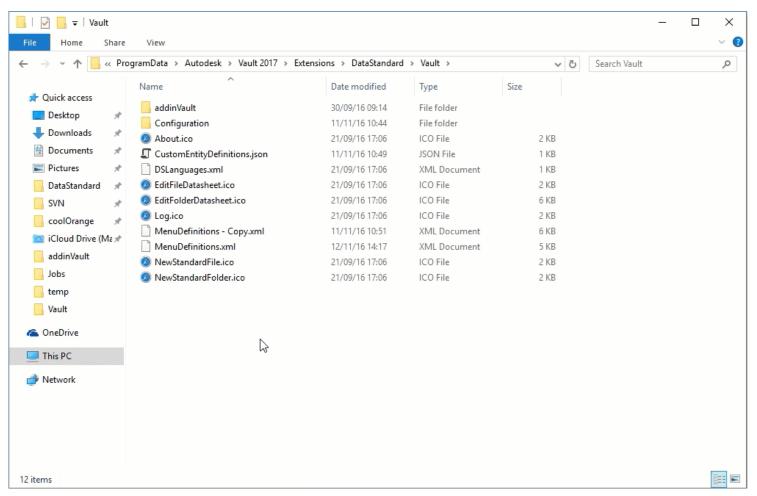


#### Vault custom dialogs





#### Vault custom tabs



#### **Purpose of VDS**

- Simplify and standardize data entry
- Reflect and respect the Vault configurations
- Configure rather customize
- Make it simple to customize





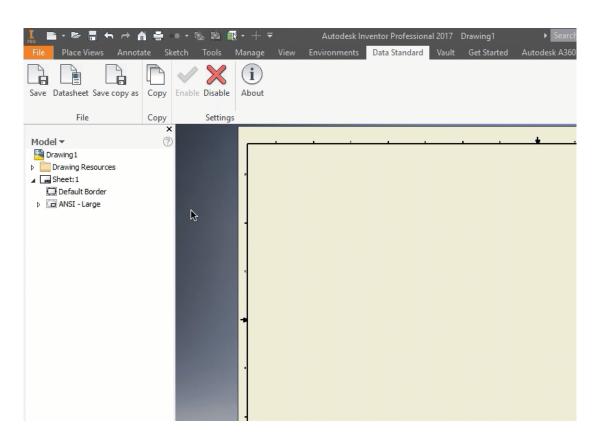
### What's new in VDS 2017

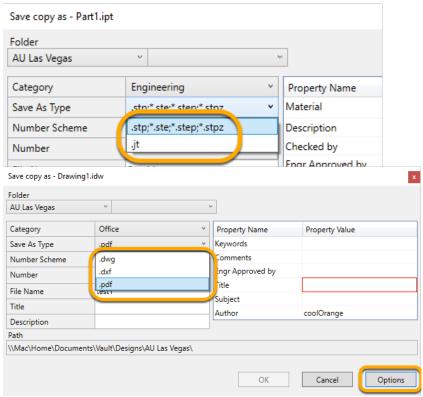




#### **Inventor Save Copy As**



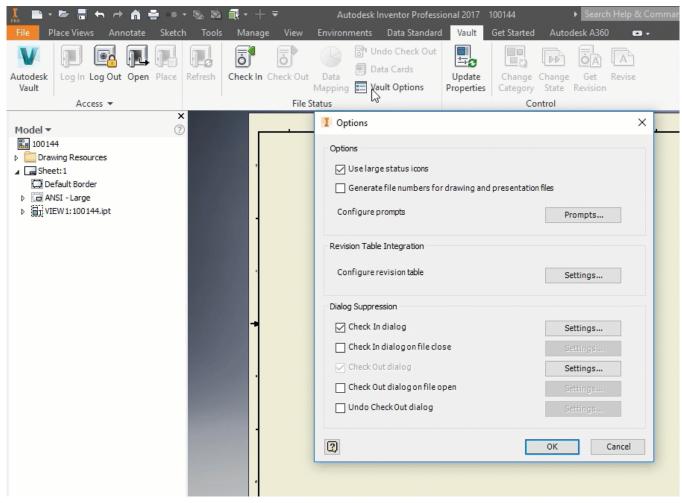








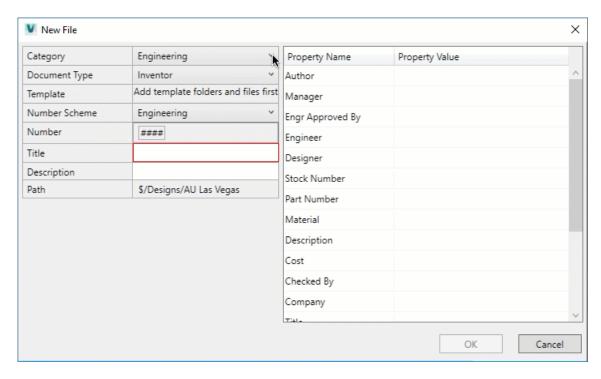
#### No numbering for drawings







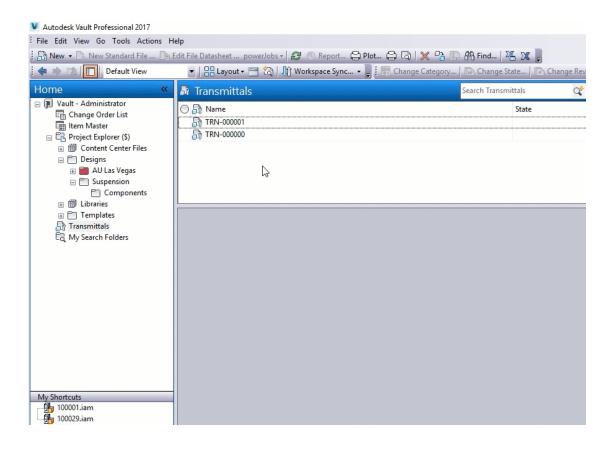
# **Category = Numbering**



Works for File, Folder, Custom Objects



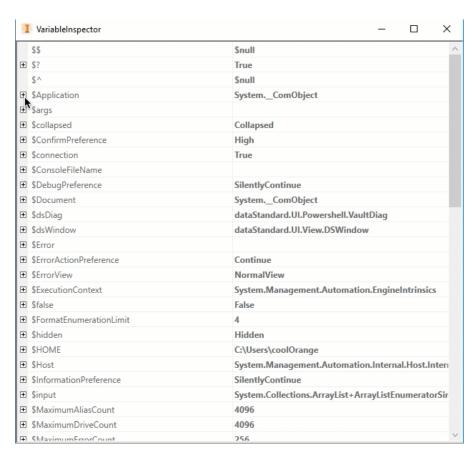
#### **Custom objects ease**



If the Custom Object name equals the Category name and Numbering name, then all it's preset



#### Application & Document object in PowerShell

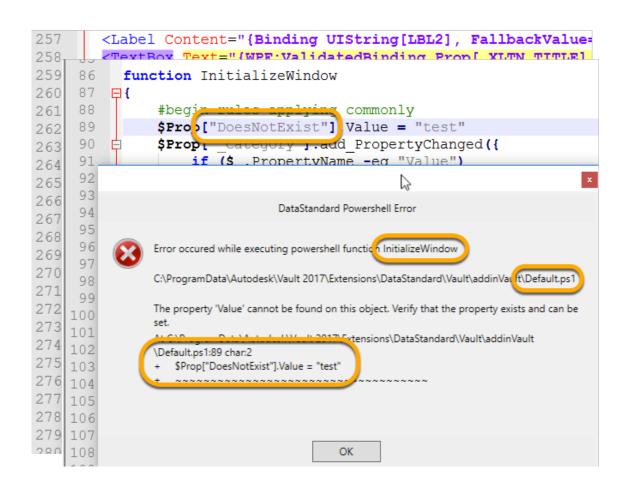


Access to the Inventor and AutoCAD application and active document object from within PowerShell





#### XAML & PowerShell errors visible



XAML & PS errors File, line, error





# What's changed in VDS 2017

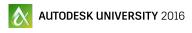




#### MNU is now XML

```
🗎 mymenu.mnu 🛚 🛣
 39
 40
    item newFile
 41 {
 42
         Description = "$UIString[MNU11]";
 43
         Id = "DSNewStandardFile";
 44
         Hint = "$UIString[MNU7]";
         Label = "$UIString[MNU1]";
 45
 46
         MultiSelectEnabled = false;
 47
         NavigationTypes = [Folder, File];
 48
         ToolbarPaintStyle = TextAndGlyph;
 49
         PSFile = "CreateFile.ps1";
         Image="NewStandardFile.ico";
 50
 51 }
124 */
    site fileContext
126 {
127
         Id="DSSiteFileContext";
128
        Label="myMenu";
129
         DeployAsPulldown=false;
130
        Location=FileContextMenu;
131
         MenuItems=[[$newFile, $editFile];
132 }
```

```
XML Notepad - C:\ProgramData\Autodesk\Vault 2017\Extensions\DataStandard\Vault\MenuDefinitions.xml*
 File Edit View Insert Window Help
 Tree View XSL Output
imymenu
          HelloWorld
                             Hello World
             Description
                             Hello World
             Hint
                             Hello World
             PSFile
                             Hello World.ps1
              Image
                             Hello World.ico
              ToolbarPaintSt ToutAndClum!
             NavigationTyp File, Folder
             MultiSelectEna
       ± — aboutDialog
      #comment
                             Label: String displayed as the label, e.g. for
      CommandSite
       - FileContext
             Label
                             myMenu
             DeployAsPullDc False
                             FileContextMenu
             Location
            .... item
                             HelloWorld
             … (a) Item
          🛨 🗀 Item
         -- a FolderContex
        --- 🛅 StandardToolbar
      ⊕ ToolsMenu
      HelpMenu
```





#### List of template folders is external XML

« Vault 2017 » Extensions » DataStandard (Vault » Configuration			
Name	Date modified	Туре	Size
	30/09/16 00:08	File folder	
File	12/11/16 05:20	File folder	
	30/09/16 00:08	File folder	
ltem	30/09/16 00:08	File folder	
Task	30/09/16 00:08	File folder	
Transmittal	11/11/16 01:44	File folder	
CustomObject.xaml	21/09/16 08:06	Windows Mar	17 KB
File.xaml	11/11/16 07:37	Windows Mar	20 KB
File.xml	21/09/16 08:06	XML Document	1 KB
FileOffice.xaml	21/09/16 08:06	Windows Mar	20 KB
FileOffice.xml	21/09/16 08:06	XML Document	1 KB
Folder.xaml	21/09/16 08:06	Windows Mar	17 KB
VaultDynamicProper	11/11/16 01:59	XML Document	2 KB

```
Source="C:\ProgramData\Autodesk\Vault 2017\Extensions\DataStandard\Vault\Configuration\File.xml
               XPath="/DocTypeData"
🔚 File xml 🔣
       <?xml version="1.0" encoding="utf-8" ?>
     □<DocTypeData xmlns="">
         <DocTypeInfo>
            <DocName>Inventor</DocName>
  5
            <Path>$/Templates/Inventor</Path>
  6
         </DocTypeInfo>
         <DocTypeInfo>
            <DocName>AutoCAD Drawings</DocName>
  9
            <Path>$/Templates/AutoCAD</Path>
 10
         </DocTypeInfo>
 11
         <DocTypeInfo>
 12
            <DocName>Office Document</DocName>
 13
            <Path>$/Templates/Office</Path>
 14
         </DocTypeInfo>
      L</DocTypeData>
```





### New system properties

- CAD
  - \_Category => VDS\_Category
  - NumSchm => VDS\_NumSchm
- A11
  - CreateMode, EditMode





# **Update – things to consider**

- MNU changed to XML
- Templates path is external
- Dialogs have been simplified
- Category-Numbering logic

You can take your 2016 and overwrite into 2017 Or, take the 2017 as baseline and apply your changes







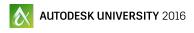




#### Sources

- Autodesk Knowledge Network
- Vault Customization Forum
- coolOrange blog

coolOrange paid support: support@coolorange.com





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### THANK YOU!!!







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