

# Reserve Numbers



Data Standard Configuration Sample | Merge Instructions

# Reserve Numbers

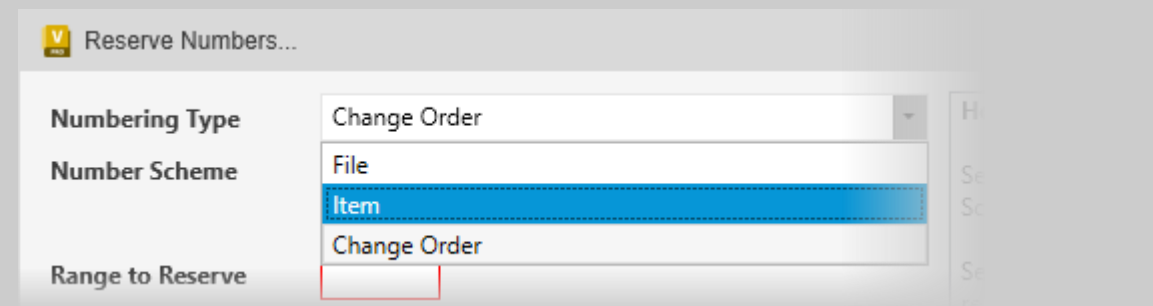
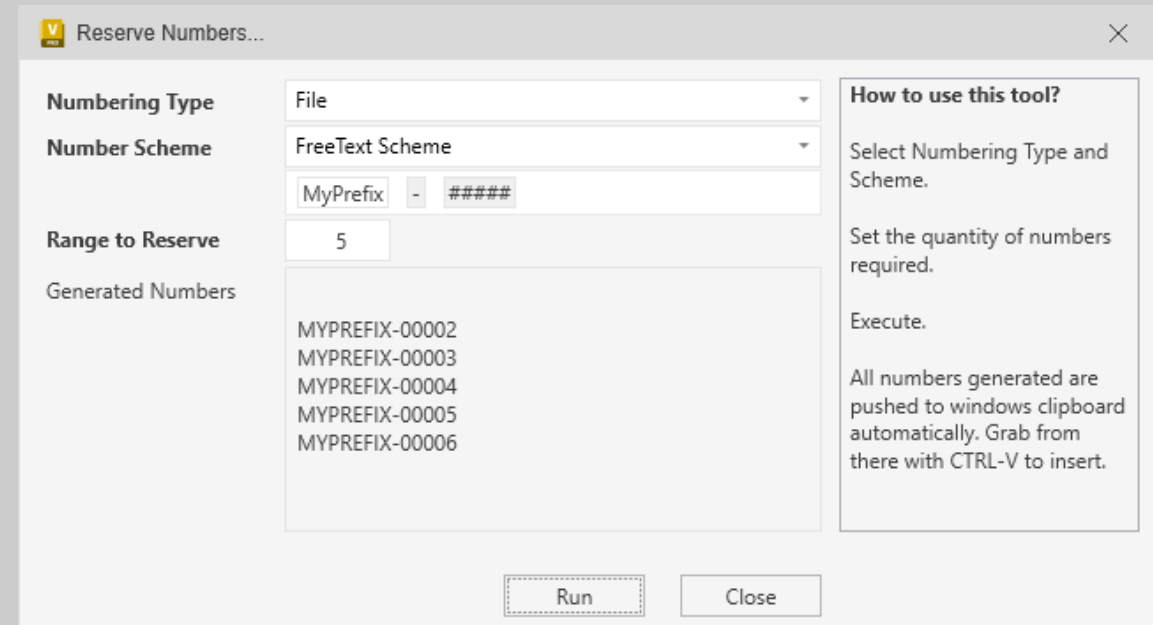
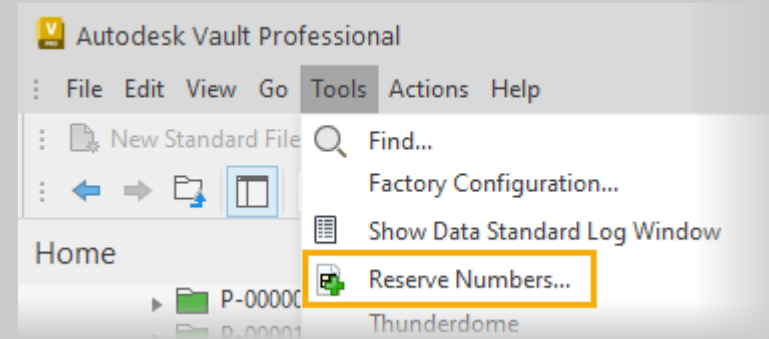
## Pulling File, Item or Change Numbers

- Scope

- Retrieve multiple numbers to be consumed in variant tables like iPart, or Modelstates

- Outcome Options | Benefits

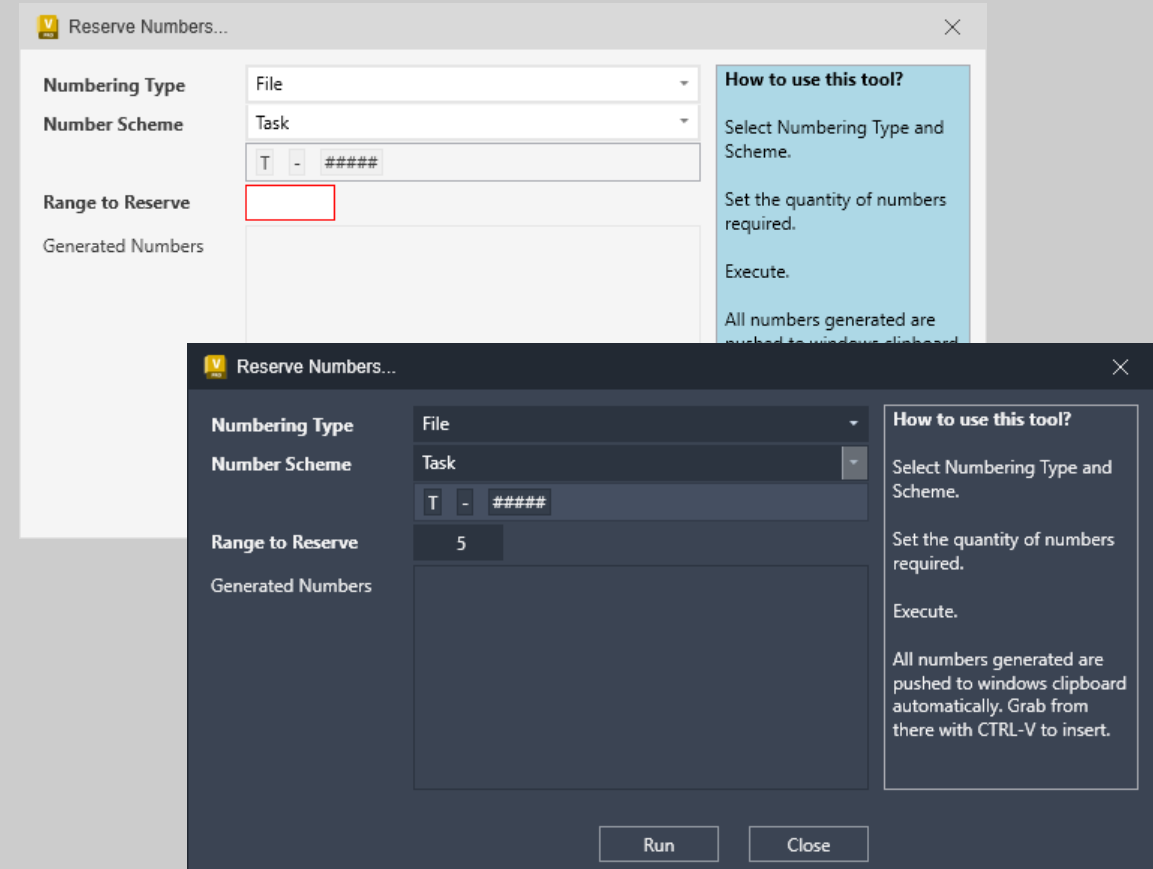
- Leverages Numbering Scheme per Entity types
  - Files (also used for Folders, Custom Objects)
  - Items
  - Change Orders
- Reserving Item Numbers creates empty items
- Created numbers are posted to Windows clipboard



# Reserve Numbers

## VDS implementation

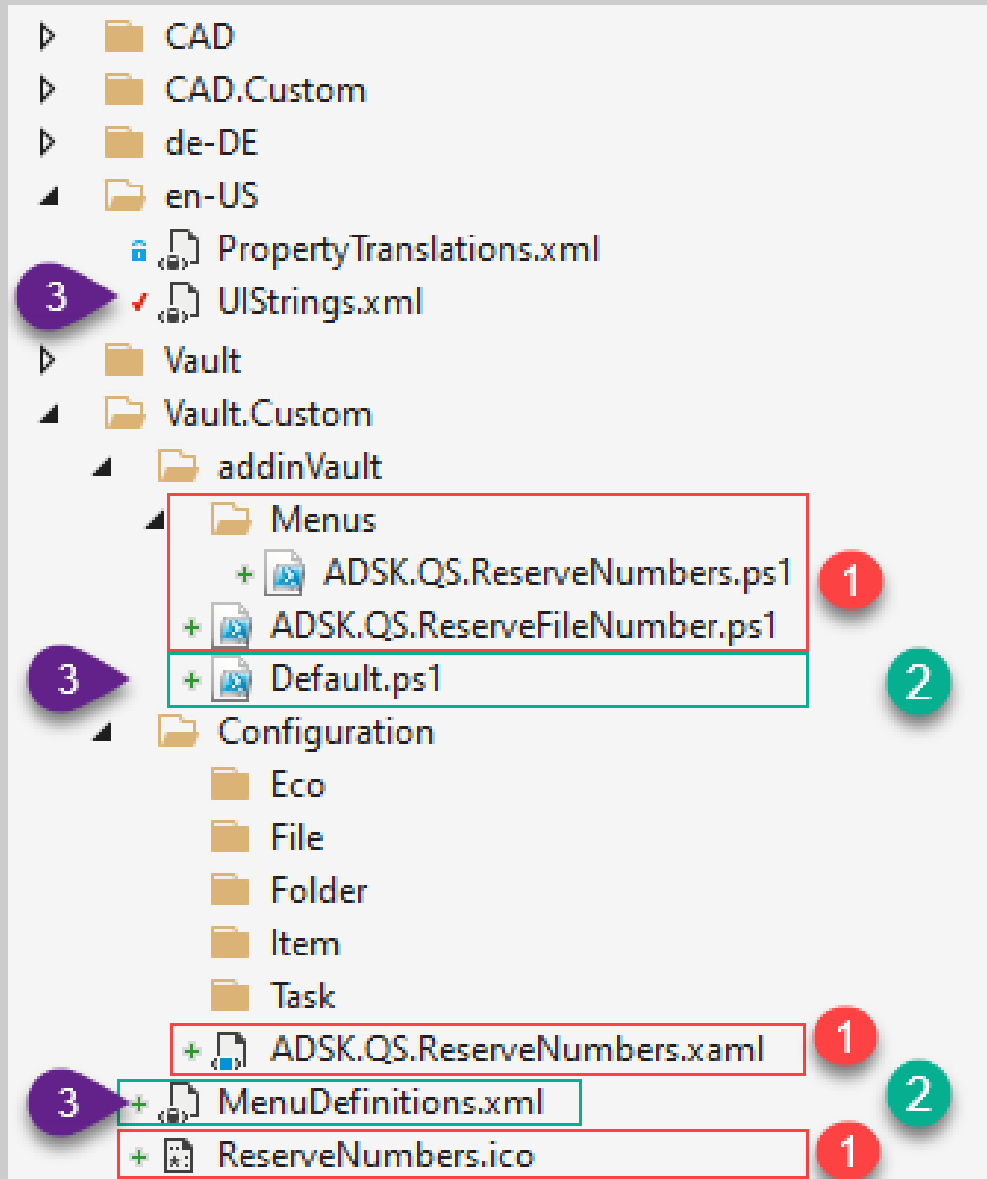
- Reserve Numbers is an integrated feature of the VDS-MFG-Sample configuration
- Follow the implementation steps to copy and paste required sources into your individual configuration



# Integration

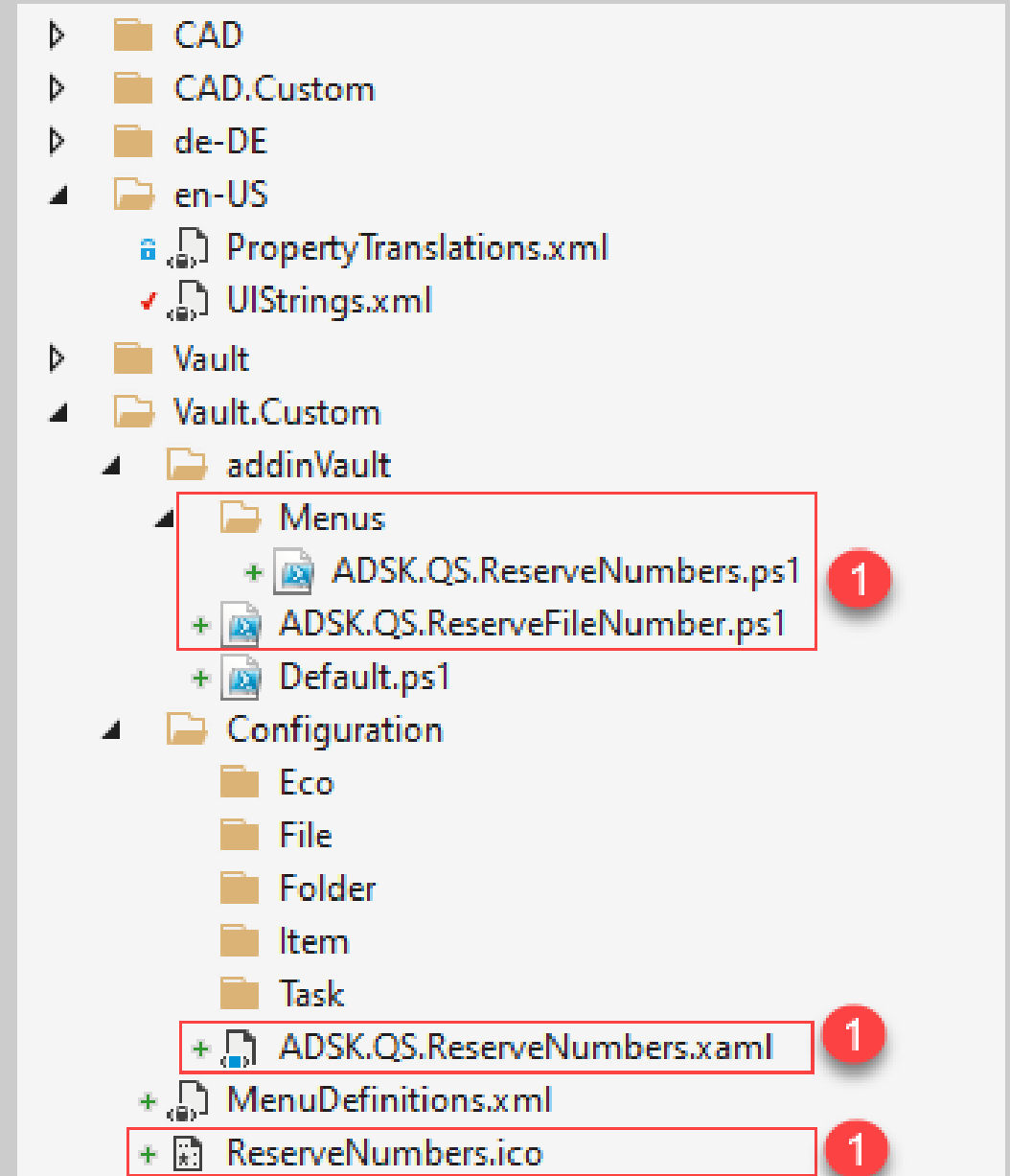
## Overview

- Reserve Numbers extension is part of the Autodesk Technical Sales sample configuration VDS-MFG-Sample available on GitHub
  - Navigate to the matching Vault Release version  
<https://github.com/koechlm/VDS-Sample-Configurations-20xx>
- To integrate the command extension,
  - copy the published files from GitHub (1)
  - Copy the default files from your Data Standard Installation (2)
  - Edit the files as instructed (3)
    - Merge UI / localization strings
      - en-US, de-DE templates available
    - Add the command to Menu Definition
    - Extend the default script file



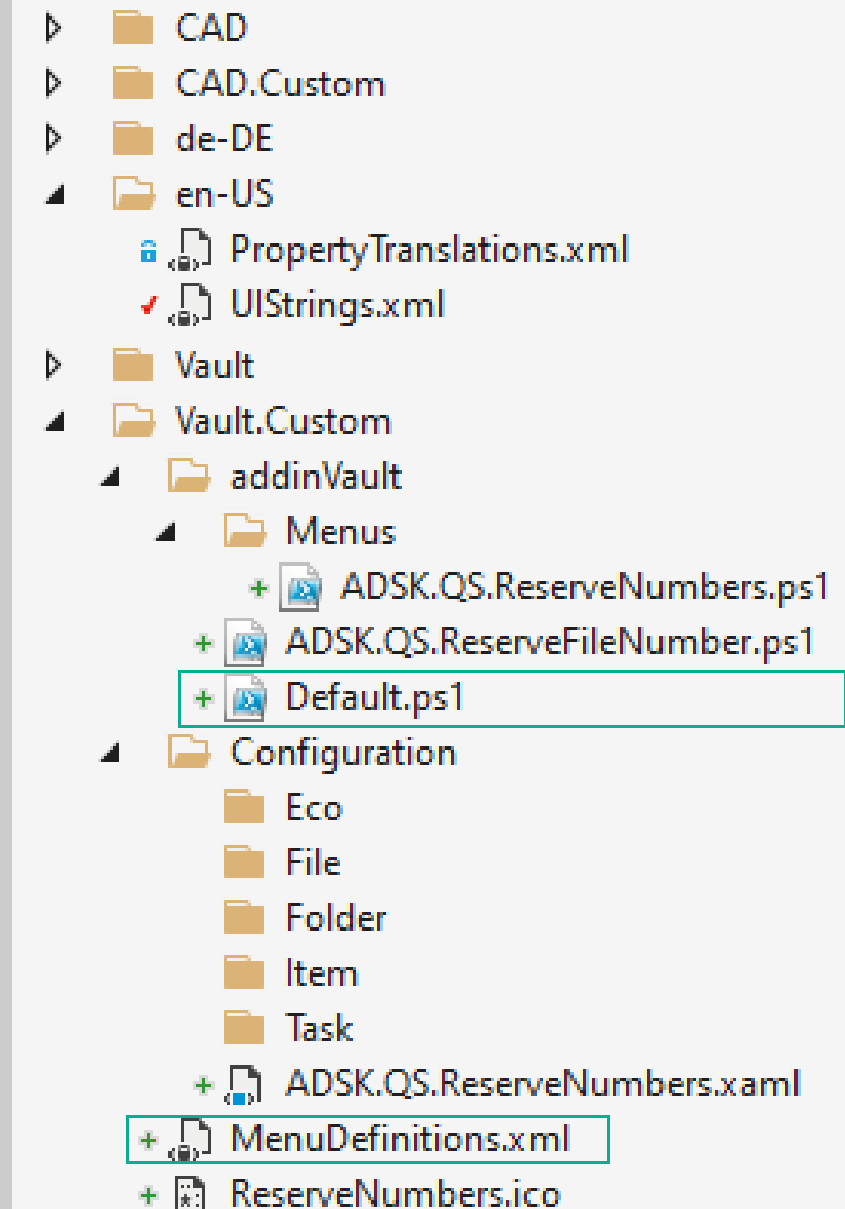
# User Interface | Dialog

- Copy the command icon file to the customization folder `.\Vault.Custom\`
- Copy Dialog File `ADSK.QS.ReserveNumbers.xaml` to your custom configuration folder `.\Vault.Custom\Configuration`
- Copy the command and dialog script files to the custom addin folder `.\Vault.Custom\addin\` and Menu folder `.\Vault.Custom\addin\Menu`



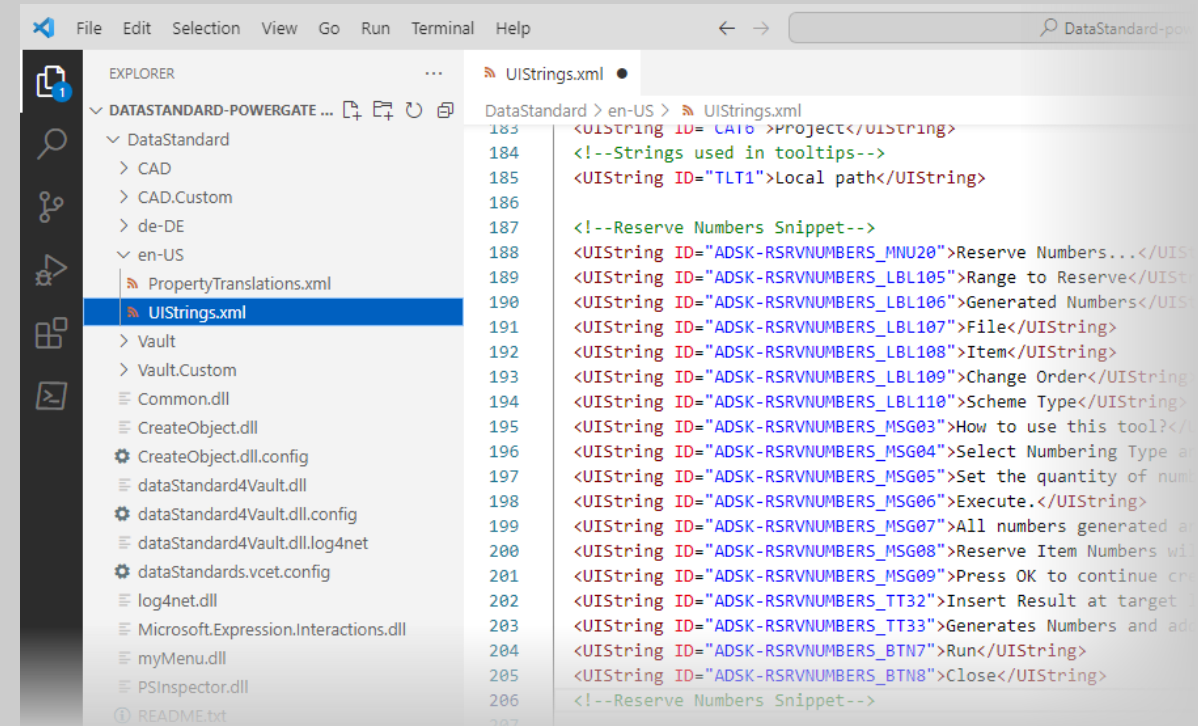
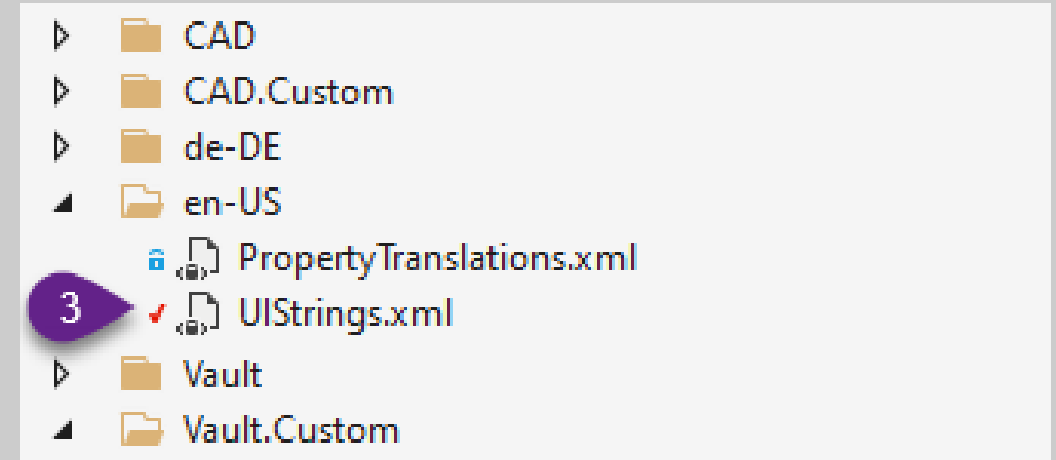
# User Interface | Script

- Copy the default Script File Default.ps1 from .\Vault\addin\ to your custom addin folder .\Vault.Custom\addin\
- Copy the default Menu definition file Menudefinition.xml from .\Vault\ to your customization folder .\Vault.Custom\



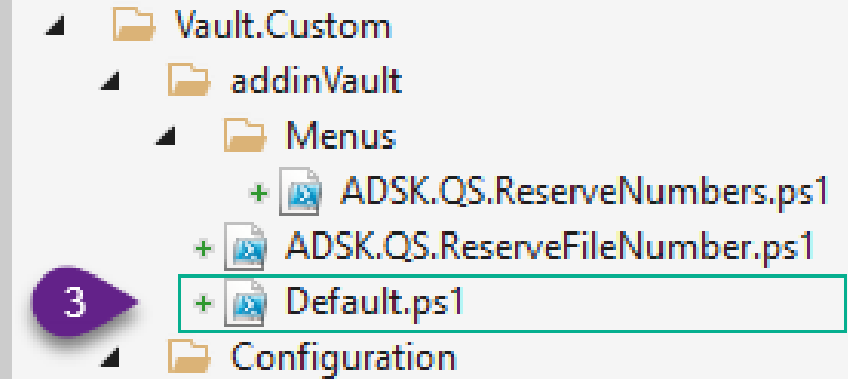
# Merge UIStrings.xml

- Copy the snippet from the GitHub source and paste it into your UIString.xml file
- Localize if needed by copying and translating accordingly
  - Note – The VDS-MFG-Sample contains a localized snippet for de-DE



# User Interface | Script

- Edit the copied file  
  .\Vault.Custom\Default.ps1
  - Copy the "ReserveNumberWindow" switch from the GitHub source to the function ***InitializeWindow*** in your file.

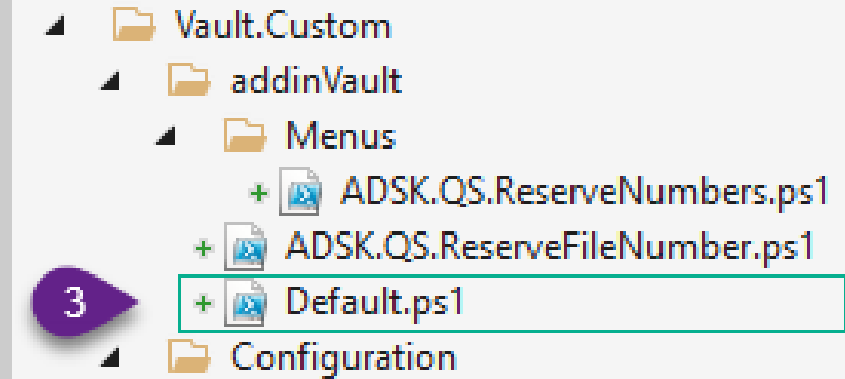


```
function InitializeWindow
{
    #begin rules applying commonly
    InitializeWindowTitle
    InitializeNumSchm
    InitializeCategory
    InitializeNameValidation
    #end rules applying commonly
    $mWindowName = $dsWindow.Name
    switch($mWindowName)
    {
        "FileWindow"
        {
            #rules applying for File
        }
        "FolderWindow"
        {
            #rules applying for Folder
        }
        "CustomObjectWindow"
        {
            #rules applying for Custom Object
        }
        "ReserveNumberWindow"
        {
            $dsWindow.FindName("cmbNumType").add_SelectionChanged({
                mGetNumSchms
            })
        }
    }
}
```



# User Interface | Script

- Edit the copied file  
.\Vault.Custom\Default.ps1
  - Copy/Replace the default switch of the function ***InitializeNameValidation*** from the GitHub source to the function in your copied file.



```
function InitializeNameValidation()
{
    $mWindowName = $dsWindow.Name
    switch($mWindowName)
    {
        "FileWindow"
        {
            $nameProp = "_FileName"
        }
        "FolderWindow"
        {
            $nameProp = "_FolderName"
        }
        "CustomObjectWindow"
        {
            $nameProp = "_CustomObjectName"
        }
        default {
            $nameProp = ""
        }
    }
    if ($Prop[$nameProp].Length -ne 0) {
        $Prop[$nameProp].CustomValidation = { NameCustomValidation }
    }
}
```

# Menu Definition

- Edit the copied file .\Vault.Custom\MenuDefinition.xml
  - Copy and paste the Menu item to your copied menu definition file
  - Copy and paste the CommandSite item to the same file

