



Deployment Strategies: An Expert Guide

Allen Gager – KHS USA

Jim Parcell – KHS USA

Tim Bourdois – Netwise Computer Services

Craig Breckenridge – Dynamic Structures

MA2140 This open panel discussion focuses on the challenges we all face while rolling out the latest and greatest version of Autodesk® software. Get inside tips on working in harmony with your IT crew. Find out the secrets to removing and cleaning up old software and getting around other common roadblocks to new version nirvana. No matter if you are an army of 1 or work in a colossal cube farm, this class has what you need to get your latest software up and running. Attendees are encouraged to share their challenges, solutions, tips, and tricks during this guided open discussion.

About the Speakers

Allen, Jim, Craig and Tim have collaborated, consulted and engaged in the Autodesk community together and independently for many years. They each enjoy helping others get the most out of their Autodesk investment, sharing and gaining knowledge through interactive, round table style discussions and panel lectures.

allen.gager@khs.com

Class Materials

This is a panel discussion; there is a limited amount of hand out material. I have included some tools we have found useful, as well as some simple code that we have developed to overcome some hurdles in our network environments.

This is by no means meant to be a definitive solution, but a starting point to open the dialogue of the larger audience of attendees.

Warning

Changes made to the Windows registry happen immediately, and no backup is automatically made. Do **not** edit the Windows registry unless you are confident about doing so.

Microsoft has issued the following warning with respect to the Registry Editor:

"Using Registry Editor incorrectly can cause serious, system-wide problems that may require you to re-install Windows to correct them. Microsoft cannot guarantee that any problems resulting from the use of Registry Editor can be solved. Use this tool at your own risk."

Use these tools and concepts at your own risk. Author assumes NO responsibility for any consequences for their use or implementation, including any animosity that may be inflicted upon you for going around barriers.

Useful Tools

The following are some useful tools. They are available for download, or feel free to email me.

You can use XML Notepad to edit the .xml file of the Autodesk Uninstall tool to add your own GUID reference. This will allow you to remove additional software using the Autodesk Uninstall Tool.

A GUID is a 128-bit integer (16 bytes) that can be used across all computers and networks wherever a unique identifier is required. Such an identifier has a very low probability of being duplicated.

This is the GUID for Vault Collaboration 2013: {CF526A26-1764-0002-0000-02E95019B628}

- XML Notepad
 - <http://xmlnotepad.codeplex.com/>
 - <http://www.microsoft.com/en-US/download/details.aspx?id=7973>
- ADS Uninstall Tool
 - <http://usa.autodesk.com/adsk/servlet/ps/dl/item?siteID=123112&id=19165706&linkID=16831209>
- Autodesk Clean Uninstall
 - <http://usa.autodesk.com/adsk/servlet/ps/dl/item?siteID=123112&id=21944618&linkID=9242018>

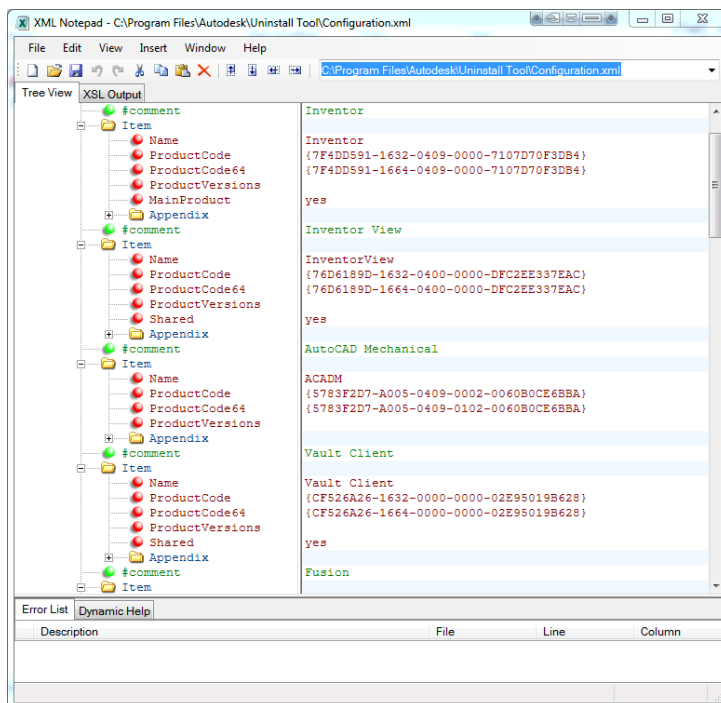
Warning

Changes made to the Windows registry happen immediately, and no backup is automatically made. Do **not** edit the Windows registry unless you are confident about doing so.

Microsoft has issued the following warning with respect to the Registry Editor:

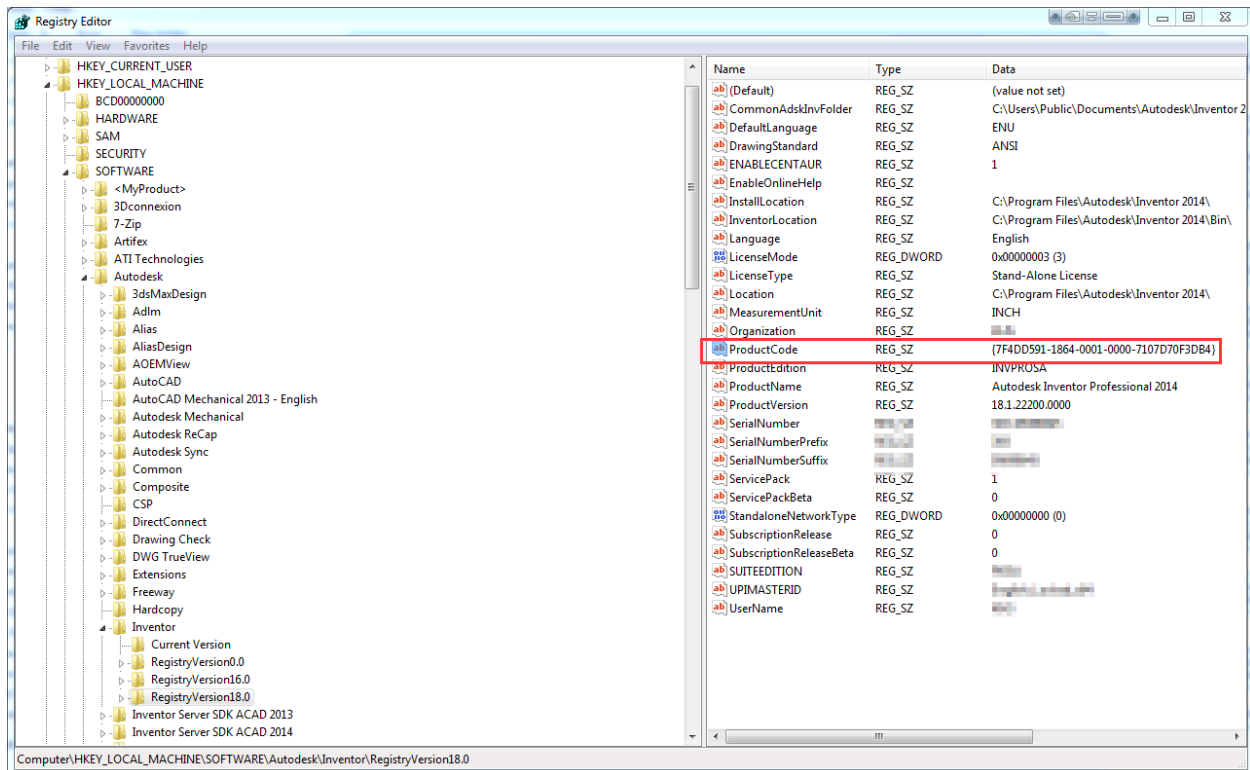
"Using Registry Editor incorrectly can cause serious, system-wide problems that may require you to re-install Windows to correct them. Microsoft cannot guarantee that any problems resulting from the use of Registry Editor can be solved. Use this tool at your own risk."

This is a view of the uninstall tool using xml notepad. Notice the GUID's.



You can find the Product Code of software from the Registry.

HKEY_LOCAL_MACHINE\Software\



Simple Batch Files

We have used simple batch files to remove software when other methods have failed. Notice the use of GUID's.

Uninstall Bat

REM Run with administrative rights

REM Copy iPropWiz lic file to "Temp" directory

MD "C:\Temp\iPropWiz"

COPY "C:\ProgramData\C-Cubed\iPropWiz 5\iPropWiz_5.lic" "C:\Temp\iPropWiz"

REM Copy macros folder to "Temp" folder

MD "C:\Temp\Macros"

XCOPY "C:\Program Files\Autodesk\Macros" "C:\Temp\Macros" /E

```
REM Copy searches to folder in "Temp" folder
MD "C:\Temp\Searches"
XCOPY
"C:\Users\%USERNAME%\AppData\Roaming\Autodesk\VaultCommon\Servers\Services_Security_11_15_2011\us-sa-vault02\Vaults\khs\Searches" "C:\Temp\Searches\" /E
```

```
REM Uninstall Vault Collaboration 2013
msiexec.exe /qb /x {266597A9-1764-0002-0100-DCBF2B69166B}
msiexec.exe /qb /x {CF526A26-1764-0002-0000-02E95019B628}
```

```
REM Uninstall iPropWiz 5.0
MsiExec.exe /qb /x {4FEF9C9F-620D-4F15-B213-7BDB3676863A}
```

```
REM Uninstall iPropWiz 5.5
MsiExec.exe /qb /X{F88DE47E-B4B7-442A-B37E-1FFF5B7757F1}
```

```
REM Uninstall FBX
"C:\Program Files\Autodesk\FBX\FBXPlugins\2013.0\3ds Max Design 2012 64-bit\Uninstall.exe"
/qb
```

```
Rem Uninstall Autodesk software tool
"C:\Program Files\Autodesk\Uninstall Tool 2013\InvCleanup.exe"
```

pause

REM Software uninstallation complete

Delete Autodesk Folders Bat

REM Run this batch file as the regular user

REM Remove previous version Autodesk folders from users directory.

```
RD /S /Q "C:\Users\%username%\AppData\Roaming\Autodesk"
RD /S /Q "C:\Users\%username%\AppData\Local\Autodesk"
```

Install 2014 Premium

REM Run with administrative rights

REM Remove remaining Autodesk folders from the local drive

```
RD /S /Q "C:\Program Files\Autodesk"  
RD /S /Q "C:\Program Files (x86)\Autodesk"  
RD /S /Q "C:\Program Files\Common Files\Autodesk Shared"  
RD /S /Q "C:\ProgramData\Autodesk"
```

REM Remove Autodesk registry values

```
[- HKEY_CURRENT_USER\Software\Autodesk]  
[- HKEY_LOCAL_MACHINE\Software\Autodesk]
```

REM Install section

```
rem INSTALL INVENTOR 2014 FROM THE SOFTWARE DRIVE  
pause
```

```
rem RUN INVENTOR AND AUTOCAD TO CREATE REGISTRY VALUES.  
pause
```

```
REM Installing Vault Pro 2014  
rem START /WAIT CALL "D:\Autodesk\2014\Vault Pro\Client.Ink"
```

pause

```
REM Copy macros back to Autodesk directory  
MD "C:\Program Files\Autodesk\Macros"  
XCOPY "C:\Temp\Macros" "C:\Program Files\Autodesk\Macros\" /E
```

```
REM Install iPropWiz 5.5 (www.ipropwiz.com - By C-Cubed Technologies.)  
msiexec /qb /i "D:\Autodesk\2014\iPropWiz\iPropWiz5_64_Installer.msi"
```

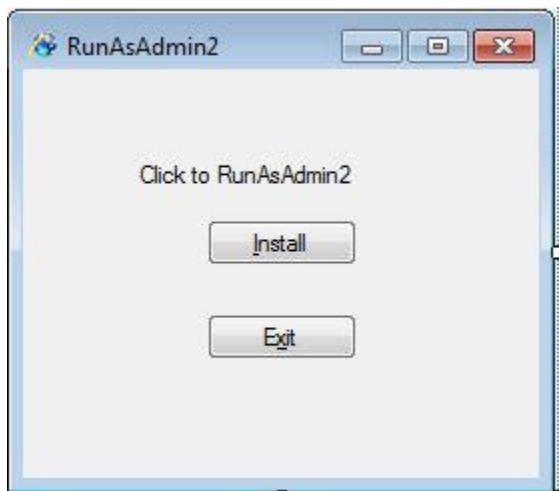
REM Install all hotfixes

```
"\\<UNC path>\Mech-Dir\Inventor Documents\Hotfix\2014\Inventor\DL121503391 5-15-  
2014\DL21503391_64-bit.msp"  
"\\<UNC path>\Mech-Dir\Inventor Documents\Hotfix\2014\Inventor\DL21901957 7-10-  
2014\DL21901957_64-bit.msp"  
"\\<UNC path>\Mech-Dir\Inventor Documents\Hotfix\2014\Vault\Client\Autodesk Vault 2014  
Service Pack 1 (Client).msp"
```

```
REM Remove extra folders from "Temp" directory  
REM RD /S "C:\Temp\Macros"
```

Visual Basic Admin Bypass Tool

This tool will allow you to run a program as an Administrator. This will most likely upset your IT department. If you are the IT department, you will probably like this tool.



Copy and paste the code into Visual Basic Express 2012

You can get a free copy from Microsoft.

<http://www.visualstudio.com/en-US/products/visual-studio-express-vs>

```
Imports System
Imports System.Drawing
Imports System.Windows.Forms
Imports System.IO
Imports System.Text

Public Class InstallUpdates

    'To change login information and file locations edit the following variables.
    Dim strDomain As String = "<domain>" 'Enter domain name
    Dim strUser As String = "<username>" 'Enter name to be used as administrator
    Dim strPassword As String = "<password>" 'Enter password
    Dim strFileNameExecute As String = "<file name>" 'Enter batch file name
    Dim strFileNetLoc As String = "<file location>" 'Enter location of file on network to
be copied locally
    Dim strFileLocalLoc As String = "C:\Temp\" ' Enter location on local drive to be used
    Dim strSource As String = (strFileNetLoc + strFileNameExecute)
    Dim strDestination As String = strFileLocalLoc + strFileNameExecute
    Dim successful As Boolean = False
    Dim intTryCount As Integer = 5
```

```

Private Sub btnInstall_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles btnRun.Click

    'File will be copied from network to local destination
    File.Copy(strSource, strDestination)

    'Loop used to verify file exists before executing
    If Dir(strDestination) <> "" Then
        Do While FileLen(strDestination) = 0 And intTryCount > 0
            System.Threading.Thread.Sleep(5000)
            intTryCount = intTryCount - 1
        Loop
    Else
        MessageBox.Show("Execution of " + strFileNameExecute + " failed", "Error")
    End If

    'Process to execute file with administrative rights
    Try
        '**** Start install as Admin ****
        Dim p As New ProcessStartInfo(strDestination)
        p.UseShellExecute = False
        p.Domain = strDomain
        p.UserName = strUser
        p.WorkingDirectory = strFileLocalLoc ' This directory must have write
capability for local user
        p.Password = New System.Security.SecureString()
        For Each c As Char In strPassword
            p.Password.AppendChar(c)
        Next
        p.Arguments = (vbNull)
        Process.Start(p)
        '**** End Start install as Admin ****
    Catch
        MessageBox.Show("Execution of " + strFileNameExecute + " failed at catch",
"Error")
    End Try

End Sub

Private Sub InstallUpdates_FormClosing(ByVal sender As Object, ByVal e As
System.Windows.Forms.FormClosingEventArgs) Handles Me.FormClosing
    'This sub will remove the local copy of the file when the program terminates
    If File.Exists(strDestination) Then
        File.Delete(strDestination)
    End If

End Sub

Private Sub btnExit_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnExit.Click

    'Close program

```

```
Me.Close()  
End Sub  
End Class
```

