# WM:SMUG MISCUG PowerShell App Deployment Toolkit

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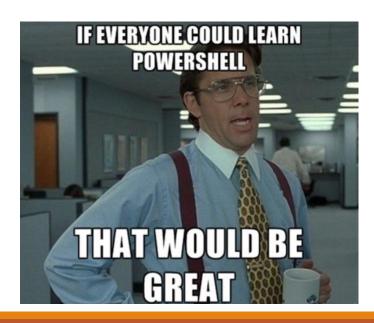


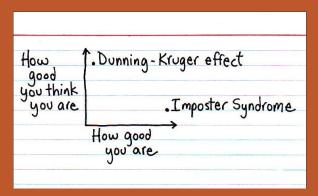
### Session Description

Even if you're just starting to learn PowerShell, you can use this powerful toolkit and it's array of functions to automate and self-document your application installations or workstation tweaks. Sure, SCCM can take an MSI and make your life easier, but what if that teacher wants the shortcut moved or the uninstaller removed from the start menu. PADT can help make your life even easier by enabling you to have better interaction with your users, simplify your deployment tasks and standardize your deployment methodology.

I challenge everyone to replace command prompt with PowerShell and not to rely on aliases in the beginning.

- Right-click taskbar
- Select Properties
- Select Navigation tab
- Check "Replace Command Prompt with Windows PowerShell..."
- Click OK





### Who Am I?

20 Years In K12 Technology

Intern, Tech, Coordinator, Engineer

Lifelong Learner

/r/sysadmin, /r/k12sysadmin, RSS feeds, Twitter

Relentlessly Inquisitive

Let's Ask The WinAdmins Chat (currently Discord)

Problem Solver

**Professional Googler** 

Voracious Reader

docs.microsoft.com

Community Minded

MAEDS, MISCUG, WMISMUG, MMS

#ImpostorSyndromeBeDamned

Own what you know. Be confident, not arrogant. Ask questions. *Be wrong*. But don't be silent, and don't think you don't belong in the group.

### **Past Presentations**

### 2013 MAEDS Fall Conference

Attended 'Marketing Yourself' by Kris Young and Kevin Galbraith "Our Name, Reputation and Skill Sets Need to be KNOWN"

### 2014 MAEDS Spring PD Day

First time presenting and it's a 'ConfigMgr panel' for a half day session.

### 2014 MAEDS Fall Conference

Presented 'PADT and SCCM'

### 2015 MAEDS Spring PD Day

Presented 'ConfigMgr panel' for a half day session.

### 2015 MAEDS Fall Conference

Presented 'Automate ALL THE THINGS with PowerShell App Deployment Toolkit'

### 2017 MAEDS Fall Conference

Presented 'PowerShell – Intro session for those that have been too afraid to take the plunge'

### 2018 MAEDS Fall Conference

Presented '<u>PowerShell</u> - <u>Intermediate Session for Those That Overcame Their Fears and Took the Plunge</u>'

### 2019 MACUL Pre Con Workshop

Presented 'Office 365 Admin Training'

### 2019 MISCUG (April)

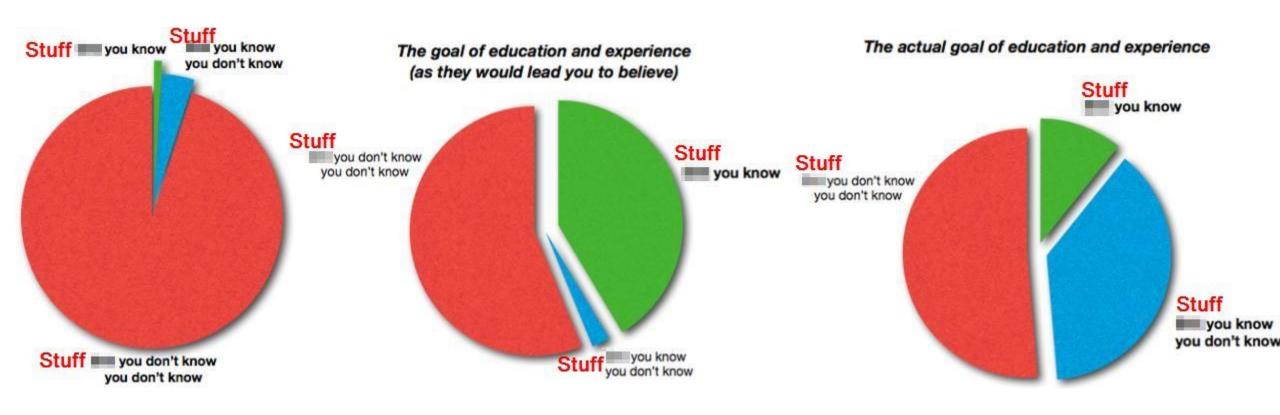
Presented 'MISCUG PowerShell App Deployment Toolkit'



### Be The Master

"Teaching does not always feel rewarding. It doesn't need to be. It is a repayment of something that was done for you. It is not a good thing that you do; it is an obligation that you have."

https://donjones.com/2017/10/19/become-the-master-or-go-away/



### Wisdom and the Art of Being Not Dangerous

No One Knows What the F\*\*\* They're Doing (or "The 3 Types of Knowledge") Steve Schwartz • May 13, 2010 <a href="https://www.bridge-global.com/blog/3-types-of-knowledge/">https://www.bridge-global.com/blog/3-types-of-knowledge/</a>



**Don Jones:** "If you're not willing to play a little bit you'll probably not be successful at PowerShell."

**Jeffrey Snover:** "I'm a Distinguished Engineer, I'm the Lead Architect with Windows Server and System Center Datacenter, and I invented the dang thing and still there's a struggle to it and that's normal.

## Vocabulary – 01/02

**Shell**: the command interpreter that is used to pass commands to the operating system

**ISE**: the Integrated Scripting Environment is an application where you can run, test, and debug scripts in a single GUI with tab completion, syntax coloring, selective execution, and context-sensitive help

**Cmdlet**: a task-oriented command that is typically used to return a .NET Framework object to the next command in the pipeline

**Variable**: a name given to stored information, e.g. \$users, \$iWishYouHadAStrongPassword, \$x

**Parameter**: input values or arguments used by the cmdlet or script to make it more dynamic

• Named:

Positional:

```
PS C:\>
PS C:\> <mark>Get-ChildItem $</mark>env:USERPROFILE\AppData\Local\Temp #.exe
```

• Switch:

```
PS C:\>
PS C:\> Get-ChildItem -Path $env:USERPROFILE\AppData\Local\Temp -Filter *.exe -Recurse
```

**Object**: a representation of something with methods to take actions against it and properties to access information stored within it

## Vocabulary – 02/02

**Module**: a set of related Windows PowerShell functionalities, grouped together as a convenient unit (usually saved in a single directory)

- Script Module: a file (.psm1) that contains PowerShell code for functions, variables and more
- Binary Module: a .NET Framework assembly (.dll) that contains compiled code
- Dynamic Module: a module that only exists in memory (Import-PSSession)

**Pipeline ( | )**: a method to send the results of the preceding command as input to the next command

**\$\_**: "the current object in the pipeline", or "this", or \$PSItem

**PSSession**: a persistent connection to a local or remote computer that is created, managed and closed by the user

**PSDrive**: a virtual drive that provides direct access to a data store (file system, registry, certificate store, SCCM)

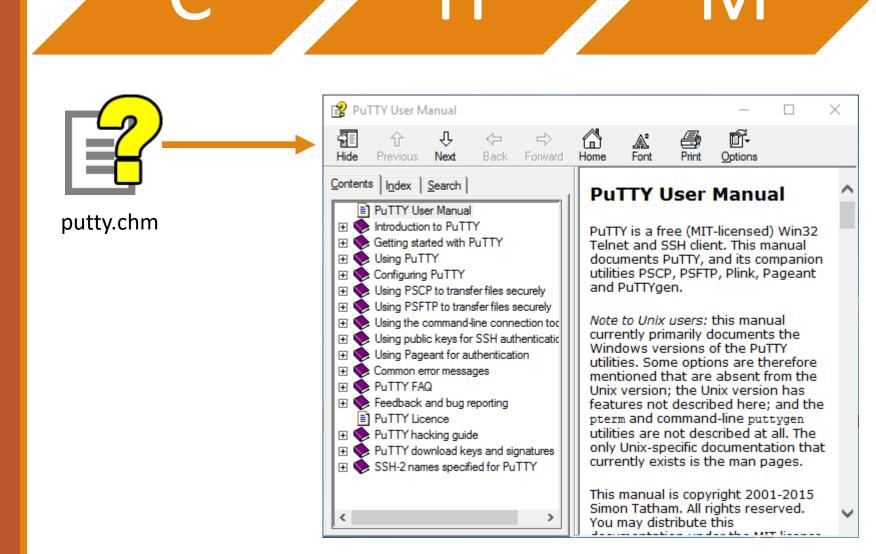
**Function**: a command or series of commands grouped to run together

**Alias**: shortcut to a command, cmdlet or function

**Tab Completion**: the ability to complete cmdlet names, parameters, file paths, file names, etc with the use of the tab key

# It is better to KNOW HOW TO LEARN than to know. -Dr. Seuss

### Remember Microsoft Compiled HTML Help Files?



# GET-

E O M M D M

### **Get-Command**

ALIAS: gcm

SYNOPSIS: Gets all commands.

PS C:\> Get-Command -Module < moduleName>

PS C:\> Get-Command -Verb Get

PS C:\> Get-Command -Verb Get -Noun P\*

PS C:\> Get-Command Get-P\*

PS C:\> Get-Command Get-P\* -Module Microsoft.PowerShell.Utility

PS C:\> Get-Command Get-P\* -Module Microsoft.PowerShell.Management

### Get-Help

ALIAS: help, man

SYNOPSIS: Displays information about Windows PowerShell commands and concepts.

### **Cheat Mode For Slide Prep**

PS C:\> Get-Help <cmdlet> | Select-Object -ExpandProperty Synopsis | Clip

PS C:\> <cmdlet> | Get-Member

### Get-Member

ALIAS: gm

SYNOPSIS: Gets the properties and methods of objects.

### Caveat

PS C:\> Get-ADUser cthomas | Get-Member

VS.

PS C:\> Get-ADUser cthomas -Properties \* | Get-Member

### Get-Module

ALIAS: gmo

SYNOPSIS: Gets the modules that have been imported or that can be imported into the current session.

PS C:\> Get-Module

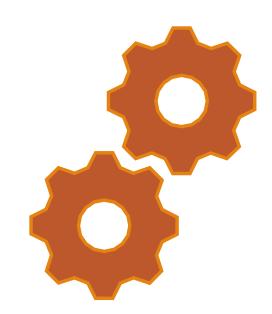
PS C:\> Get-Module -ListAvailable

PS C:\> \$session\_DC1 = New-PSSession -ComputerName V-DC1

PS C:\> Get-Module -PSSession \$session\_DC1 -ListAvailable

## Why PowerShell App Deployment Toolkit?

- Consistent Deployments
- Self-Documenting
- Pre-Built Logging
- Pre-Built User Interface
- Custom Branding
- Pre-Built Functions and Variables
- Extensible With Custom Functions
- SCCM Integration
- Over 10,000 Lines Of Code, FREE!
- Responsive Developers
- Good Documentation
- Active Release Schedule



# PowerShell App Deployment Toolkit

### **PowerShell App Deployment Toolkit Main Page**

http://psappdeploytoolkit.com/

38.0

### PSAppDeployToolkit 3.7.0 Direct Download

### **Discussion Boards**

https://discourse.psappdeploytoolkit.com/

### **Authors**

Seán Lillis

- <u>twitter.com/seanels</u>
- Dan Cunningham
- twitter.com/sintaxasn



# PowerShell App Deployment Toolkit Shoutouts

### Become the Hero of the Day - Master ConfigMgr 2012 R2 with a Limited Budget and Free Community Tools

System Center Universe 2014 • (47min • mentioned @ 36:00) Kent Agerlund

- twitter.com/agerlund
- blog.coretech.dk/author/kea
- https://www.youtube.com/watch?v=9hDFqcPjjSA

### Microsoft System Center Configuration Manager Community Jewels TechEd North America 2014 • (1hr 6min • mentioned @ 18:20) Jörgen Nilsson

- twitter.com/ccmexec
- ccmexec.com
- <u>channel9.msdn.com/Events/TechEd/NorthAmerica/2014/PCIT-B320#fbid=</u>





### New Features in AdminStudio 2016 SP2

This section lists the new features that are included in AdminStudio 2016 SP2:

Support for PowerShell Wrapped Packages



27th May 2018

PSAppDeployToolkit now integrated in to Flexera AdminStudio

The PowerShell App Deployment Toolkit remains a free, open source, community developed tool. Due to popular demand, the PSADT is now integrated and distributed with Flexera Admin Studio.

#### Why we love it

This is a true timesaver, plain and simple, especially for those who don't have a lot of PowerShell experience. In addition, it provides greater control of your installation environment with functions you don't get with SCCM or other application distribution solutions function set!

Without PowerShell wrapping, your options for preparing an application for deployment are: repackage the vendor installer into a format for silent delivery mode, create a transform or run the installer silently.

By wrapping an existing Windows installer (.msi) or complex installation package (.exe) in a PowerShell script, you can automatically perform deployment tasks both before and after installation.

The advantages of using PowerShell wrapping instead of repackaging or transforms to modify an installer include:

- · The original package is not modified
- A consistent UI experience to your users for all of your organization's installers
- Provides a more powerful set of functionality than can be provided using transforms



#### A Single Wrapper Regardless of Format

AdminStudio 2016 SP2 provides full support for converting the following deployment formats into a PowerShell wrapped package:

- · Windows Installer packages .msi
- InstallShield InstallScript .exe files
- InstallShield Basic MSI installers that are compressed into a setup.exe file
- · InstallShield Suite Installer .exe files
- Wise Package Studio .exe files
- · Other executable file types that can be uncompressed by 7-ZIP



Latest release

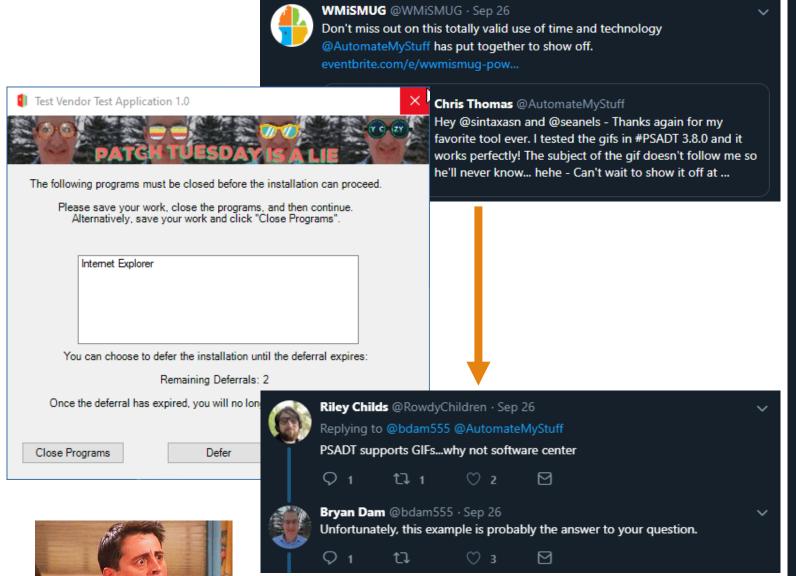
\$\sqrt{3.8.0}\$ **-0-** b231ed4

### PowerShell App Deployment Toolkit 3.8.0

sintaxasn released this 5 days ago

#### Version 3.8.0 [09/23/2019]

- · Added ability to change the dialog banner height, with a configurable maximum
- Added ability to change the dialog banner and icon filename through the configuration file
- Added support for animated gifs in the dialog banner
- Added a dynamic dialog banner height with a configurable maximum to the dialogs
- Added support for flattening folder structure within Copy-File with -Flatten switch
- Added architecture independent of the latest wheel illename ends in x64.msi or x86.msi
- ng to Remove-Folder function so it is also trace? I in the log file when successful
- Changed ProcessObjects parameter in Get-Running Processes Inction to mandatory=\$false so Show-InstallationWelcome with the large transfer of the parameter in Get-Running Processes Inction to mandatory=\$false so Show-InstallationWelcome with the large transfer of the parameter in Get-Running Processes
- ng oding 1 Appl Conf on to UTF-8 (15) incorrectly UTF16)
- d was to whom execut was since which is seconds
- gal community and local specific time / date formats
- ke allet- in Show-Well-bmePrompt
- Belleville Inc. Inc. But a quote characters in the Execute-New function
- Fixed issue where Show-WelcomePrompt hangs when ForceCloseAppsCountdown is passed to Show-InstallationWelcomePrompt and application/strategy are not running when timeout is reached.
- Fixed issue where Set-PinnedApplication did not pin to / unpin from taskbar on Windows 10 because
  Microsoft removed the taskbar verbs
- Fixed issue where Get-InstalledApplication only supported Basic Latin unicode characters by removing logic which "removes any control characters which might interfere with logging and creating file path names from these variables", as the creation of file name is only used in Execute-MSI function and the logic there already replaces invalid filename characters
- Fixed issue where Get-LoggedOnUser failed to detect if user is member of the Administrators group, when Administrator group has an orphaned account listed
- Fixed issue where active setup execution fails when StubExePath contains ps1 file in Set-ActiveSetup function





# PowerShell App Deployment Toolkit Resources

Installing Applications with PowerShell App Deployment Toolkit - Part 1

https://replicajunction.github.io/2015/04/07/installing-applications-with-psadt-part1/

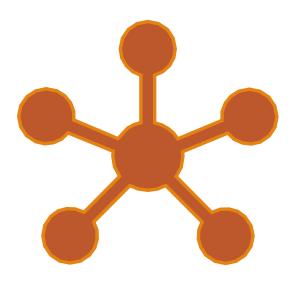
Powershell App Deployment Toolkit: Getting Started <a href="https://www.youtube.com/watch?v=9bNsrP8iri4">https://www.youtube.com/watch?v=9bNsrP8iri4</a>

Java Deployment with SCCM 2012 and PowerShell App Deployment Toolkit

http://jengeek.blogspot.com/2014/07/java-deployment-with-sccm-2012-and.html

PSAPPDEPLOYTOOLKIT: GET THE BENEFITS WITHOUT WRITING A SINGLE LINE OF POWERSHELL

https://dcunningham.net/psappdeploytoolkit-get-the-benefits-without-writing-a-single-line-of-powershell/



# App Packaging Resources

### **Unattended/Silent Installation Switches for Windows Apps**

http://unattended.sourceforge.net/installers.php

### **Window Development System Error Codes**

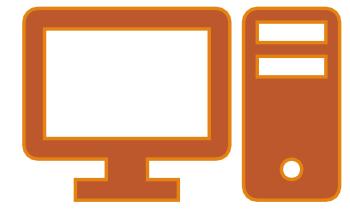
https://msdn.microsoft.com/enus/library/windows/desktop/ms681381.aspx

### net helpmsg <errorcode>

http://blog.configmgrftw.com/error-codes/

### Why the ConfigMgr Package model won't go anywhere

http://www.david-obrien.net/2014/04/applications-vs-packages-configmgr-package-model-wont-go-anywhere/



# PowerShell App Deployment Toolkit Functions

Refresh-Desktop

Refresh-SessionEnvironmentVariables

Register-DLL

Unregister-DLL

Block-AppExecution

Close-InstallationProgress

Convert-RegistryPath

ConvertTo-NTAccountOrSID

Copy-File

Disable-TerminalServerInstallMode Enable-TerminalServerInstallMode

Execute-MSI

Execute-MSP

**Execute-Process** 

Execute-ProcessAsUser

Exit-Script

Get-DeferHistory

**Get-FileVersion** 

Get-FreeDiskSpace

Get-HardwarePlatform

Get-IniValue

Get-InstalledApplication

Get-LoggedOnUser

Get-MsiExitCodeMessage

Get-MsiTableProperty

Get-ObjectProperty

Get-PEFileArchitecture

Get-PendingReboot

Get-RegistryKey

 ${\sf Get-RunningProcesses}$ 

Get-ScheduledTask

Get-ServiceStartMode

Get-UniversalDate

Get-UserProfiles

Get-WindowTitle

Install-MSUpdates

 $In stall \hbox{-} SCCMS of tware Updates$ 

Invoke-

**HKCURegistrySettingsForAllUsers** 

Invoke-ObjectMethod

Invoke-RegisterOrUnregisterDLL

Invoke-SCCMTask

New-Folder

New-MsiTransform

New-Shortcut

New-ZipFile

Remove-File

Remove-Folder

Remove-MSIApplications

Remove-RegistryKey

Resolve-Error

Send-Keys

Set-ActiveSetup

Set-DeferHistory

Set-IniValue

Set-MsiProperty

Set-PinnedApplication

Set-RegistryKey

Set-ServiceStartMode

Show-BalloonTip

Show-DialogBox

Show-InstallationProgress

Show-InstallationPrompt

Show-InstallationRestartPrompt

Show-InstallationWelcome

Show-WelcomePrompt

Start-ServiceAndDependencies

 $Stop\mbox{-}Service\mbox{And} Dependencies$ 

Test-Battery

Test-IsMutexAvailable

**Test-MSUpdates** 

Test-NetworkConnection

Test-PowerPoint

Test-RegistryValue

Test-ServiceExists

Unblock-AppExecution

Update-Desktop

Update-GroupPolicy

Update-SessionEnvironmentVariables

Write-FunctionHeaderOrFooter

Write-Log

# PowerShell App Deployment Toolkit Variables

**Toolkit Name** 

SappDeplovToolkitName

\$appDeployMainScriptFriendlyName

Script Info

\$appDeployMainScriptVersion

\$appDeplovMainScriptMinimumConfigVersion

\$appDeployMainScriptDate

\$appDeployMainScriptParameters

### **Datetime and Culture**

ScurrentDateTime ScurrentTime

\$currentDate \$currentTimeZoneBias

\$culture

ScurrentLanguage

\$currentUILanguage

#### **Environment Variables**

SenvHost SenvShellFolders

SenvAllUsersProfile

\$envAppData

\$envArchitecture

SenvCommonProgramFiles

\$envCommonProgramFilesX86

SenvCommonDesktop

\$envCommonDocuments

\$envCommonStartMenuPrograms

\$envCommonStartMenu

SenvCommonStartUp \$envCommonTemplates

SenvComputerName

\$envComputerNameFQDN SenvHomeDrive

SenvHomePath

SenvHomeShare

SenvLocalAppData

\$envLogicalDrives

\$envProgramFiles

\$envProgramFilesX86

SenvProgramData

\$envPublic

\$envSystemDrive

\$envSystemRAM

\$envSystemRoot

SenvTemp

SenvUserCookies

\$envUserDesktop

SenvUserFavorites

\$envUserInternetCache

SenvUserInternetHistory

\$envUserMyDocuments

SenvUserName

SenvUserProfile

SenvUserSendTo

\$envUserStartMenu

\$envUserStartMenuPrograms

\$envUserStartUp

\$envSystem32Directory

SenvWinDir

#### **Domain Membership**

\$IsMachinePartOfDomain \$envMachineWorkgroup

\$envMachineADDomain SenvLogonServer

\$MachineDomainController

SenvMachineDNSDomain

SenvUserDNSDomain

SenvUserDomain

#### **Operating System**

SenvOS

\$envOSName

SenvOSServicePack

\$envOSVersion

SenvOSVersionMajor

\$envOSVersionMinor

SenvOSVersionBuild

\$envOSVersionRevision

\$envOSProductType

ŚIsServerOS

\$IsDomainControllerOS

\$IsWorkStationOS

\$envOSProductTypeName

\$Is64Bit

SenvOSArchitecture

#### **Current Process Architecture**

\$Is64BitProcess

SpsArchitecture

#### PowerShell And CLR (.NET) Versions

\$envPSVersionTable

\$envPSVersion

SenvPSVersionMajor SenvPSVersionMinor

SenvPSVersionBuild

\$envPSVersionRevision

SenvCLRVersion

\$envCLRVersionMajor

SenvCLRVersionMinor

\$envCLRVersionBuild

SenvCLRVersionRevision

Permissions/Accounts

**\$CurrentProcessToken** 

\$CurrentProcessSID

**SProcessNTAccount** 

**\$ProcessNTAccountSID** 

\$IsAdmin

\$IsLocalSystemAccount

SIsLocalServiceAccount

ŚIsNetworkServiceAccount

ŚIsServiceAccount

SIsProcessUserInteractive

\$LocalSystemNTAccount

\$SessionZero

### Script Name and Script Paths

\$scriptPath

SscriptName

\$scriptFileName SscriptRoot

\$invokingScript

SscriptParentPath

### **App Deploy Script Dependency Files**

\$appDeployLogoIcon

\$appDeployLogoBanner

\$appDeployConfigFile

\$appDeployToolkitDotSourceExtensions

SxmlConfigFile

\$configConfigVersion SconfigConfigDate

#### **Script Directories**

ŚdirFiles

SdirSupportFiles

\$dirAppDeployTemp

#### **Script Naming Convention**

\$appVendor \$appName

\$appVersion

\$appLang

\$appRevision \$appArch

SinstallTitle

SinstallName

### **Executables**

\$exeWusa

SexeMsiexec SexeSchTasks

RegEx Patterns

\$MSIProductCodeRegExPattern

#### **Registry Keys**

ŚregKevApplications

\$regKeyLotusNotes

\$regKeyAppExecution \$regKeyDeferHistory

**COM Objects** \$Shell

### \$ShellApp

Log File \$logName

ŚlogTempFolder

\$configToolkitLogDir

\$DisableScriptLogging

\$RevertScriptLogging

### **Script Parameters**

\$deployAppScriptParameters \$appDeployMainScriptParameters \$appDeployExtScriptParameters

#### Logged On Users

\$LoggedOnUserSessions

\$usersLoggedOn

\$CurrentLoggedOnUserSession

\$CurrentConsoleUserSession SRunAsActiveUser

### Miscellaneous

\$dpiPixels

\$runningTaskSequence

ŚIsTaskSchedulerHealthy ŚinvalidFileNameChars

\$useDefaultMsi

```
#* PRE-INSTALLATION
   □If ($deploymentType -ne "uninstall") { $installPhase = "Pre-Installation"
        # Perform pre-installation tasks here
       INSTALLATION
    $installPhase = "Installation"
 9
        # Perform installation tasks here
10
       POST-INSTALLATION
    $installPhase = "Post-Installation"
14
        # Perform post-installation tasks here
16
       PRE-UNINSTALLATION
      ElseIf ($deploymentType -eq "uninstall") { $installPhase = "Pre-Uninstallation"
19
       UNINSTALLATION
     $installPhase = "Uninstallation"
25
26
    #☆ POST-UNINSTALLATION
    $installPhase = "Post-Uninstallation"
29
```

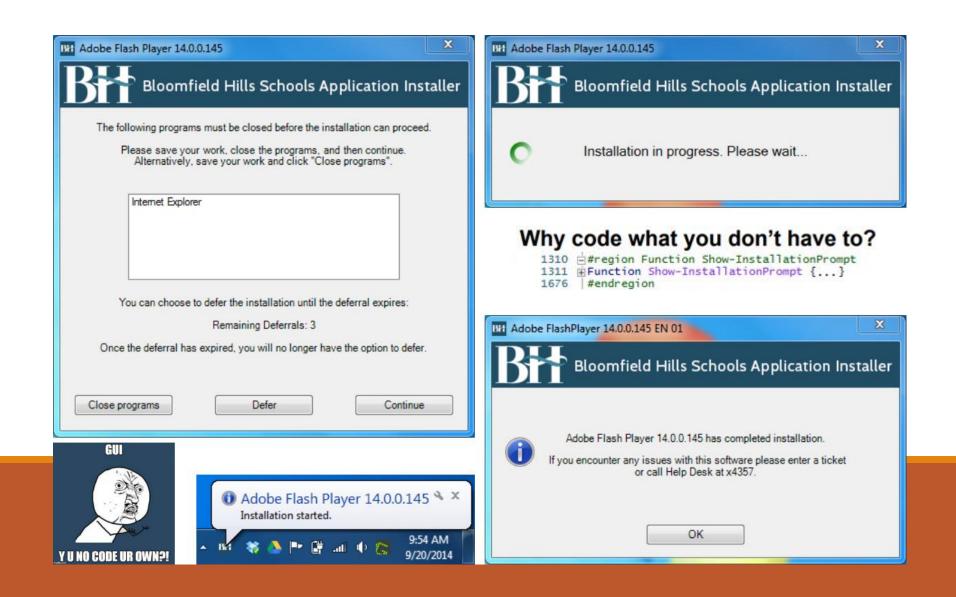
```
PS C:\Users\chthomas> Get-WmiObject win32_product | Where-Object -Property "Name" -like "*adobe*" | Select-Object -Property Name, IdentifyingNumbe
                                                                           IdentifyingNumber
dobe Reader XI (11.0.07) MUI
                                                                           {AC76BA86-7AD7-FFFF-7B44-AB0000000001}
dobe Flash Player 14 ActiveX
                                                                           {C4B95D2E-BDE6-412D-AF7B-EC43A298C55B}
Adobe Flash Player 14 Plugin
                                                                           {3FC9A6DE-C105-4576-8F63-656FFB1BF8EB}
PS C:\Users\chthomas> gwmi win32_product | ? {$_.name -like "*adobe*"} | select name, identifyingnumber
                                                                           identifyingnumber
dobe Reader XI (11.0.07) MUI
                                                                           {AC76BA86-7AD7-FFFF-7B44-AB0000000001}
Adobe Flash Player 14 ActiveX
                                                                           {C4B95D2E-BDE6-412D-AF7B-EC43A298C55B}
Adobe Flash Player 14 Plugin
                                                                           {3FC9A6DE-C105-4576-8F63-656FFB1BF8EB}
PS C:\Users\chthomas>
```

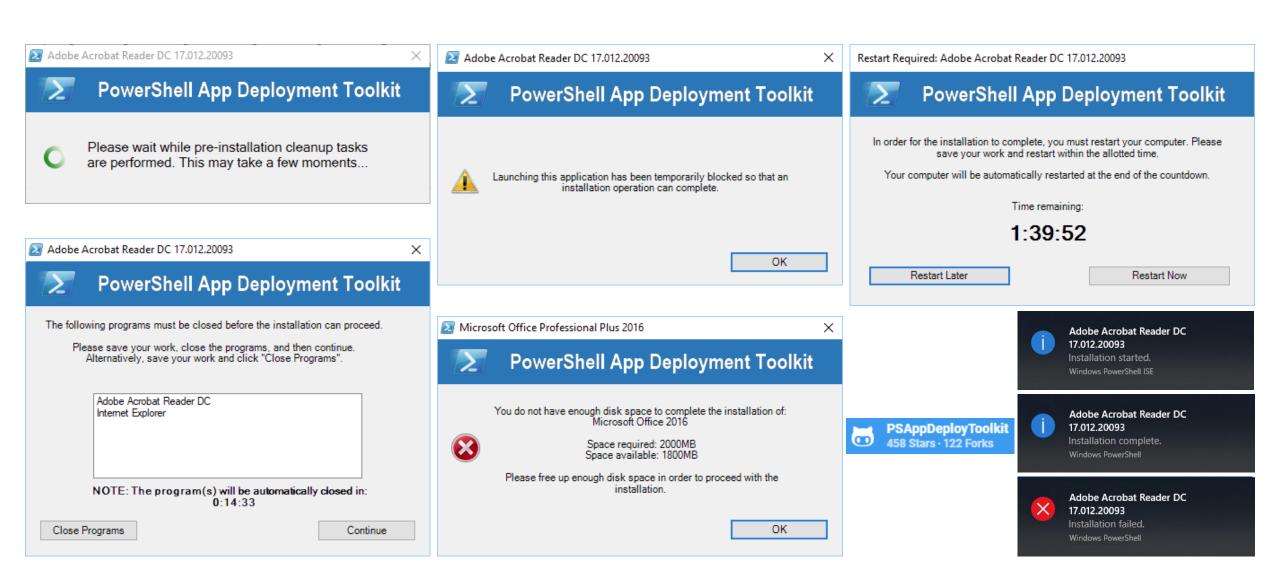
### PowerShell Way

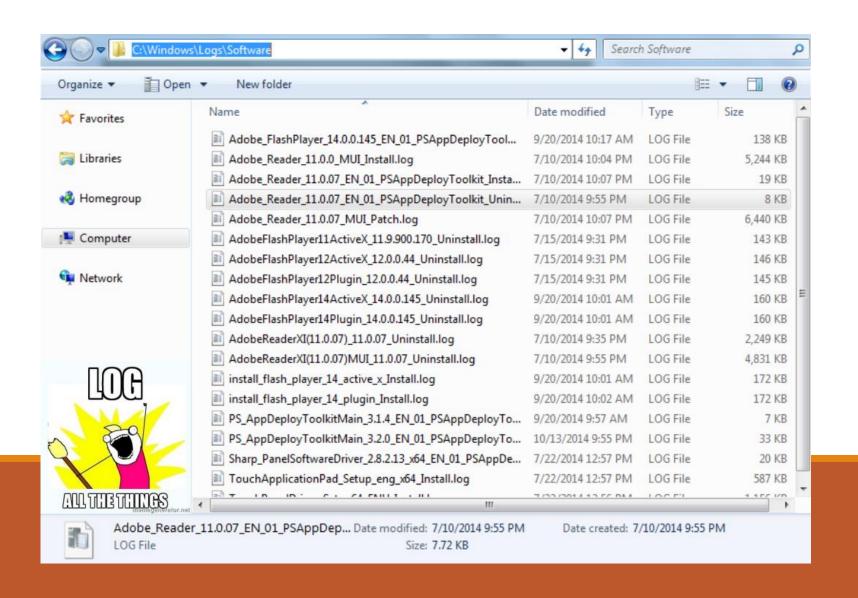
Get-WmiObject win32 product | Where-Object -Property "Name" -like "\*adobe\*" | Select-Object -Property Name, IdentifyingNumber

### LazyMode Way

gwmi win32\_product | ? {\$\_.name -like "\*adobe\*"} | select name, identifyingnumber







# Import-Module For Tab Completion While Staging Applications

- Open....\AppDeployToolkit\AppDeployToolkitMain.ps1
- Save As....\AppDeployToolkit\AppDeployToolkitMain.psm1
- Import-Module to profile
   (you have a profile, right?)
   .\Documents\WindowsPowerShell\Microsoft.PowerShellISE\_profile.ps1
- Get-Command -Module AppDeployToolkitMain
- Get-Help <cmdlet/function> -Full / -Examples



```
1 @echo off
 2 Title Installing Itunes
 4 REM Install iTunes x64 with pre-reqs
 5 start /wait msiexec /i "%~dp0AppleApplicationSupport.msi" /q /norestart allusers=1
 6 start /wait msiexec /i "%~dpOAppleMobileDeviceSupport64.msi" /q
  7 start /wait msiexec /i "%~dp0AppleSoftwareUpdate.msi" /q
 8 start /wait msiexec /i "%~dp0Bonjour64.msi" /q
 9 start /wait msiexec /i "%~dp0iTunes64.msi" /q
11 REM Removes Desktop Shortcut - Windows 7
if exist "C:\Users\Public\Desktop\iTunes.lnk" del "C:\Users\Public\Desktop\iTunes.lnk"
14 REM Removes Auto Launch from registry
reg delete "HKEY LOCAL MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run" /v "iTunesHelper" /f
17 REM Copy Storytelling Alice to Local Machine
18 xcopy /E /Y /V %~dpO*.* "C:\Program Files (x86)\Storytelling Alice\"
20 REM Copy Alice Shortcut to All Users Program Menu
21 if exist "C:\Program Files (x86)\Storytelling Alice\Storytelling Alice\lnk" copy "C:\Program Files (x86)\Storytelling Alice\storytelling Alice.lnk" "C:\ProgramData\Microsoft\Windows\Start Menu\Programs\Storytelling Alice.lnk"
23 REM MSP Example ~~
24 @Echo off
26 msiexec.exe /i %~dp0Exceptions\AcrobatProfessionall0.0-EFG\AcroPro.msi EULA ACCEPT=YES REGISTRATION SUPPRESS=YES SUITEMODE=1 INSTALLLEVEL=101 AS DISABLE LEGACY COLOR=1 IGNOREAAM=1 TRANSFORMS=en US.mst /qn
27 msiexec.exe /i %~dp0Build\Adobe CS6 Design and Web Premium x64.msi /quiet REBOOT=ReallySuppress
28 msiexec.exe /p PATCH=%~dp0Exceptions\AcrobatProfessional10.0-EFG\AcrobatUpd1011.msp /qn
29 msiexec.exe /i %~dp0Exceptions\AdobePDFSettingsll-mul\AdobePDFSettingsll-mul.msi ADOBE SETUP=1 /qn
30 %-dp0Exceptions\AdobeHelp\InstallAdobeHelp\InstallAdobeHelp.exe appVersion=4.0.244 appId=chc pubId=4875E02D9FB21EE389F73B8D1702B320485DF8CE.l installerArg2=-eulaAccepted installerArg3=-programMenu installerArg4=AdobeHelp.a
32 REM Install Google Chrome
33 msiexec /qn /norestart /i "%~dp0GoogleChromeStandaloneEnterprise.msi"
34
35 REM Copy Master Preferences to Local Machine
36 if exist "c:\Program Files\Google\Chrome\Application\master preferences" copy /y "%-dp0master preferences" "C:\Program Files\Google\Chrome\Application\master preferences"
37 if exist "c:\Program Files (x86)\Google\Chrome\Application\master preferences" copy /y "%~dpOmaster preferences" "C:\Program Files (x86)\Google\Chrome\Application\master preferences"
39 REM Removes Desktop Shortcut - Windows 7
40 if exist "C:\Users\Public\Desktop\Google Chrome.lnk" del "C:\Users\Public\Desktop\Google Chrome.lnk"
41
42 REM Disable Auto Update
43 reg add HKLM\Software\Policies\Google\Update /f /v AutoUpdateCheckPeriodMinutes /d 0
45 REM Stop and Disable Google Update Service
46 sc stop gupdate
47 sc config gupdate start= disabled
49 REM Delete Google Update Scheduled Tasks
50 schtasks /delete /TN "GoogleUpdateTaskMachineCore" /F
51 schtasks /delete /TN "GoogleUpdateTaskMachineUA" /F
53 REM Return exit code to SCCM
54 exit /B %EXIT CODE%
```

```
@echo off
    REM This hasn't been parameterized yet, so replace the appropriate folders/files below.
    REM Also, the jre folder must exist inside the source folder with the scripts.
    REM I'm doing msi parameters along with regedits since the parameters didn't work consistently between versions for me...
7 taskkill /F /IM iexplorer.exe
8 taskkill /F /IM iexplore.exe
9 taskkill /F /IM firefox.exe
10 taskkill /F /IM chrome.exe
11 taskkill /F /IM javaw.exe
12 taskkill /F /IM jqs.exe
    taskkill /F /IM jusched.exe
14
15 REM Call the uninstall script
16 cscript %~dp0Java Uninstall.vbs
17
    REM Install JRE x86
    msiexec.exe /i %~dp0\jrel.7.0_51_x86\jrel.7.0_51.msi /passive /norestart AUTOUPDATECHECK=0 JAVAUPDATE=0 IEXPLORER=1 /1*v c:\windows\temp\Java7x86.log
20
21 REM Installing JRE x64
    if exist %ProgramFiles(x86)%
23 msiexec.exe /i %-dp0\jrel.7.0_51_x64\jrel.7.0_51.msi /passive /norestart AUTOUPDATECHECK=0 JAVAUPDATE=0 IEXPLORER=1 /1*v c:\windows\temp\Java7x64.log
24
    REM Disable automatic updates
    reg delete "HKEY LOCAL MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Run" /v SunJavaUpdateSched /f
    reg add "HKEY LOCAL MACHINE\Software\JavaSoft\Java Update\Policy" /v EnableJavaUpdate /t REG DWORD /d 0 /f
28
29
    REM Start Menu shortcuts
    rmdir "%PROGRAMDATA%\Microsoft\Windows\Start Menu\Programs\Java" /S /Q
31
32
    REM Return the exit code to SCCM
33 exit /B %EXIT CODE%
```

```
'# Written by Ivan Dretvic (http://ivan.dretvic.com)
3
     '# Creates all users Greenshot start menu short cut
      'This script requires a variable of %ProgramFiles% (or the location of the root folder of Greenshot software).
     'This was the simplest method to create appropriate shortcut with minimal code.
8
     On error resume next
    Fif WScript.Arguments.Count > 0 then
10
         dim shell, lnkPath, link, pfpath
11
         Set shell = WScript.CreateObject("WScript.shell")
12
         lnkPath = shell.SpecialFolders("AllUsersStartMenu")
13
         Set link = shell.CreateShortcut(lnkPath & "\Kompozer.lnk")
14
         link.Description = "Kompozer - Easy web authoring"
15
         pfpath = WScript.Arguments.item(0)
16
         link.TargetPath = pfpath & "\Kompozer\kompozer.exe"
17
         link.WorkingDirectory = pfpath & "\Kompozer"
18
         link.IconLocation = pfpath & "\Kompozer\kompozer.exe,0"
19
         link.Save
         set shell = nothing
20
         set lnkpath = nothing
21
22
         set link = nothing
23
         set pfpath = nothing
24
     end if
```

### Firefox 38.3.0 ESR

### Execute-Process, Copy-File, New-Folder, Uninstalling non-MSI Applications

```
## <Perform Installation tasks here>
      Execute-Process -Path "$dirFiles\Firefox Setup 38.3.0esr.exe" -Parameters "/INI=$dirFiles\config.ini"
      ## <Perform Post-Installation tasks here>
      #Execute-Process -Path "$envProgramFilesX86\Mozilla Maintenance Service\uninstall.exe" -Parameters "/S"
      Copy-File -Path $dirFiles\cck2\defaults\pref\autoconfig.js -Destination "$envProgramFilesX86\Mozilla Firefox\defaults\pref"
      Copy-File -Path $dirFiles\override.ini -Destination "$envProgramFilesX86\Mozilla Firefox\browser"
      #Copy The CCK2 Stuff
     Copy-File -Path $dirFiles\cck2\cck2.cfg -Destination "$envProgramFilesX86\Mozilla Firefox"
      New-Folder -Path "$envProgramFilesX86\Mozilla Firefox\cck2\"
     Copy-File -Path $dirFiles\cck2\cck2\*.* -Destination "$envProgramFilesX86\Mozilla Firefox\cck2\"
13
     New-Folder -Path "$envProgramFilesX86\Mozilla Firefox\cck2\modules\"
      Copy-File -Path $dirFiles\cck2\cck2\modules\*.* -Destination "$envProgramFilesX86\Mozilla Firefox\cck2\modules\"
    # <Perform Uninstallation tasks here>
    Execute-Process -Path "$envProgramFilesX86\Mozilla Firefox\uninstall\helper.exe" -Parameters '/S'
    Get-ChildItem -Path "SenvProgramFilesX86\Mozilla Firefox" -Include * | Remove-Item -Recurse
```

CODE: https://pastebin.com/6QxKiYp3

## Lego Mindstorms EV3 1.1.1

Execute-Process, Execute-MSI, Post-Install Cleanup (1 installer requires 11 uninstallers for full cleanup)

```
## <Perform Installation tasks here>
     Execute-Process -Path "$dirFiles\setup.exe" -Parameters "/r:n /qn /AcceptLicenses yes"
Get-WmiObject -Class Win32_Product -Filter "InstallDate = '20190318'"
      ## <Perform Pre-Uninstallation tasks here>
     ## Uninstall LEGO MINDSTORMS NXT x64 Driver
     Execute-MSI -Action Uninstall -Path "{A0831C28-A6FA-49A3-86AE-B5AE3C9EE19C}"
     ## Uninstall LEGO MINDSTORMS EV3
     #Execute-MSI -Action Uninstall -Path "LEGO SW. (5B0CB826-E499-4E6B-94F0-75B6327ED934)"
     ## Uninstall LEGO MINDSTORMS EV3 Home Edition
     Execute-MSI -Action Uninstall -Path "{01D821CA-B361-45E2-8748-904AFEDC1DBD}}"
     ## Uninstall LEGO MINDSTORMS EV3 Uninstaller
     Execute-MSI -Action Uninstall -Path "{5F3092B9-4240-4037-A287-BF6F9A2996BC}"
     ## Uninstall LEGO MINDSTORMS EV3 Home Content
     Execute-MSI -Action Uninstall -Path "{6AAF31BC-3005-429B-90D8-1C4A18DEE73A}"
     ## Uninstall LEGO MINDSTORMS EV3 Home English Support
     Execute-MSI -Action Uninstall -Path "{C4CF0D3D-8724-4B20-ABB0-4C73BDEA0F63}"
     ## Uninstall VI VC2008MSMs x64
     Execute-MSI -Action Uninstall -Path "{07E00E94-7A78-40FA-9BEF-71C190E98041}"
     ## Uninstall NI EulaDepot
     Execute-MSI -Action Uninstall -Path "{87F60C46-07E2-46B4-B872-680DE4184C0A}"
     ## Uninstall NI .NET Framework 4
     Execute-MSI -Action Uninstall -Path "{A3A11F6C-E573-4D1C-A9D4-701D7551544B}"
     ## Uninstall NI Uninstaller
     Execute-MSI -Action Uninstall -Path "{C7743231-5899-418D-8CA5-22B0F654D894}"
     ## Uninstall NI VC2008MSMs x86
     Execute-MSI -Action Uninstall -Path "{E84997A1-4D6F-4C0B-B60D-F85B360D2666}"
     ## Uninstall NI MDF Support
     Execute-MSI -Action Uninstall -Path "{FA35D849-889D-4454-9532-6BE2008D2CDF}"
CODE: https://pastebin.com/ygAZPpcX
```

# Sharp Panel Pen Drivers & Software – 1/2

Execute-Process, Execute-MSI, Show-InstallationPrompt (Required User Interaction), Remove-File Install Certificate



InstallShield Record Installation and Uninstallation <a href="http://unattended.sourceforge.net/installers.php">http://unattended.sourceforge.net/installers.php</a>

**RECORD:** /r Copy: c:\windows\setup.iss

**USE:** /s /sms install.iss/uninstall.iss

CODE: http://pastebin.com/ZTxViEuj

# Sharp Panel Pen Drivers & Software – 2/2

```
# Import SHARP certificate for driver installation
      Execute-Process -FilePath "$dirSupportFiles\certutil.exe" -Arguments "-addstore -f `"TrustedPublisher`" $dirSupportFiles\sharp.cer"
4 # Install 64-bit Sharp Touch Panel Driver, Pen Software, Touch Application Pad Software and Pen Software Update
5 ☐ if ((Get-WmiObject -Class Win32 OperatingSystem | Select-Object OSArchitecture) -like "*64-bit*"){
          Execute-MSI -Action Install -Path "$dirFiles\TouchPanelDriver Setup64 ENU.msi"
          Execute-Process -FilePath "$dirFiles\PenSoftware Setup x64.exe" -Arguments "/s /sms /f1$dirFiles\PenSoftware Setup x64 Install.iss"
          Execute-MSI -Action Install -Path "$dirFiles\TouchApplicationPad Setup eng x64.msi"
9
          Show-InstallationPrompt -Message "This next installer could not be completely automated. You will need to proceed through the prompts to complete the installation.
          'n'nPlease click: 'n'n- Next 'n- Next 'n- Install 'n- Finish" -PersistPrompt -Icon Exclamation -ButtonMiddleText "OK"
11
12
          Execute-Process -FilePath "$dirFiles\PenSoftware (Ver.2.8.2.13) Updater.exe" -Arguments "/s /sms /f1$dirFiles\PenSoftware (Ver.2.8.2.13) Updater Install.iss"
13
      # Perform uninstallation tasks here
     # Prompt the user to close the following applications if they are running:
     Show-InstallationWelcome -CloseApps "sharppen" -AllowDefer -DeferTimes 3
     # Show Progress Message (with a message to indicate the application is being uninstalled)
     Show-InstallationProgress -StatusMessage "Uninstalling Application SinstallTitle, Please Wait..."
     # Uninstall x64 Touch Panel Driver
     Execute-MSI -Action Uninstall -Path "{7626BF3E-02BF-4896-8E71-4342BD67ED8E}"
   # Uninstall x64 Pen Software (pre-update)
   # Execute-Process -FilePath "$dirFiles\PenSoftware_Setup_x64.exe" -Arguments "/s /sms /fl$dirFiles\PenSoftware_Setup_x64_Uninstall.iss"
# Uninstall x64 Touch Application Pad Software
     Execute-MSI -Action Uninstall -Path "{D08BFAFA-2832-41C0-A092-4D30DC626168}"
   # Uninstall x64 Pen Software Update
     Execute-MSI -Action Uninstall -Path "{0164330E-769E-4F9A-B070-9256CF175659}"
20 # Uninstall x64 Pen Software with Update
     Show-InstallationPrompt -Message "This next uninstaller could not be completely automated. You will need to proceed through the prompts to complete the uninstallation.
      'n'nPlease click: 'n'n- Remove (radio button) 'n- Next 'n- Yes 'n- Finish" -PersistPrompt -Icon Exclamation -ButtonMiddleText "OK"
     Execute-Process -FilePath "$dirFiles\PenSoftware (Ver.2.8.2.13) Updater.exe" -Arguments "/s /sms /f1$dirFiles\PenSoftware (Ver.2.8.2.13) Updater Uninstall.iss"
```

CODE: http://pastebin.com/ZTxViEuj

### Wacom Bamboo Tablet 5.3.5-3

Post-Install Cleanup (if installer provides no opt-out for plug-ins)

```
# Perform installation tasks here
Execute-Process -FilePath "$dirFiles\setup.exe" -Arguments "/s"

Get-WmiObject -Class Win32_Product -Filter "InstallDate = '20190318'"

#Remove Facebook Plugins
Execute-Process -FilePath "$envProgramFiles\TabletPlugins\fbWTPUninstall.exe" -Arguments "/s"

Execute-Process -FilePath "$envProgramFilesX86\TabletPlugins\fbWTPUninstall.exe" -Arguments "/s"
```

CODE: <a href="https://pastebin.com/6QxKiYp3">https://pastebin.com/6QxKiYp3</a>

## Cisco IP Communicator - BringToFront

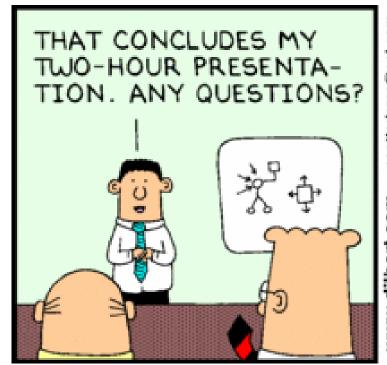
Non-Standard Usage - Workstation Tweaks

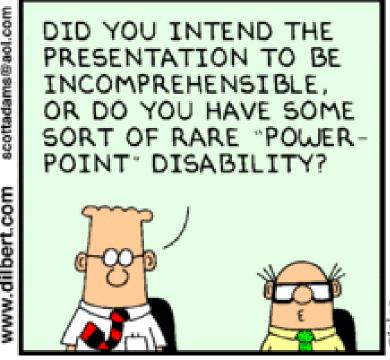
```
## Show Welcome Message, close Internet Explorer if required, allow up to 3 deferrals, verify there is enough disk space to complete Show-InstallationWelcome -CloseApps 'communicatork9' -AllowDefer -DeferTimes 3 -CheckDiskSpace -PersistPrompt

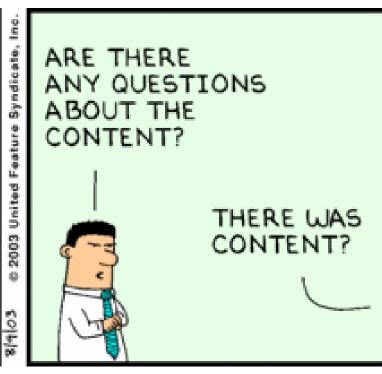
## <Perform Installation tasks here>
Set-RegistryKey -Key 'HKEY_CURRENT_USER\SOFTWARE\Cisco Systems, Inc.\Communicator' -Name 'BringToFront' -Value 'l' -Type String

## <Perform Post-Installation tasks here>
Execute-Process -Path "C:\Program Files (x86)\Cisco Systems\Cisco IP Communicator\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator\square\communicator
```

**CODE:** <a href="https://gist.github.com/chrisATautomatemystuff/57c79632c1682f32af826affa6fcf42c">https://gist.github.com/chrisATautomatemystuff/57c79632c1682f32af826affa6fcf42c</a>







# The End