

# Silent Installation Options

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- + **What Are Your Options?**
  - Command Line Switches
  - Answer Files
  - MSI Transforms
  - Scripted Installs
  - Repackaging
- + **Things to watch out for**
- + **Looking for help**
- + **Questions**

## + Which Applications Support Them?

- Most all Microsoft Applications
- Client side applications

## + How To Determine Support

### □ Common Switches

#### + Microsoft:

- /Q1 (Suppress Exit Dialog)
- /QT (Suppress All Displays)

#### + Wise

- /SILENT

### + Other Common Switches

- -/QUIET
- -/UNATTENDED
- -/S
- -/Q
- -/SMS
- -/?

## + **Response Files**

- Programs Intended for mass deployment
- INI formatted configuration file providing varying levels of control

## + **InstallShield Native Support**

- -R -S -SMS
- .ISS Limitations
- **Switches:** <http://appdeploy.com/tips/detail.asp?id=18>
- **Errors:** <http://appdeploy.com/tips/detail.asp?id=20>

## + **Making Use Of Command Line Support**

- Batch Files
- MSI Custom Actions
- Startup/Shutdown Scripts (AD)

- + **MST Capabilities**
- + **Do Not Repackage MSI Files**
- + **Creating MST Files**
  - Custom Installation Wizards
  - Third Party Tools
    - + InstallTailor (InstallShield)
    - + Tuner (Wise)
    - + WinINSTALL 7.5 (On Demand Software)
    - + Walls (Chicago-Soft)
    - + MSItran.exe (Microsoft MSI SDK)
- + **Making Use Of MST Files**
  - Command Line
    - + **TRANSFORMS (Not TRANSFORM)**
    - + `MSIEXEC.EXE /i MyMSI.MSI TRANSFORMS=MyMST.MST /qb!`
  - Group Policy

## + Simple Installations

### □ File Copies

- + Xcopy \\server\share\source "c:\Program Files" /s /i /q /y

### □ Registry Imports/Changes

- + Regedit /s regfile.reg

### □ DLL Registration

- + Regsvr32 /s acledit.dll

- + **Benefits**
- + **Disadvantages**
- + **Tools Available**
  - PackageStudio
  - AdminStudio
  - WinINSTALL
  - Walls
  - PrismDeploy (PictureTaker)

## + Reboots

- Check runonce
  - HKEY\_LOCAL\_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\RunOnce
- Check pending rename files
  - HKEY\_LOCAL\_MACHINE\SYSTEM\CurrentControlSet\Control\Session Manager\FileRenameOperations
- If you reboot when repackaging beware of hardware and network changes captured in the registry

## + MSI Patches

- Self extracting and executing MSP files may make you think this is an update worth repackaging.
  - + Visio 2000 is an example of this
    - V10R1PEN.EXE /C /T:C:\Temp

## + Self-Extracting Setups

- Run setup.exe and look in %TEMP% at welcome screen



- + **Readme.txt**
- + **Vendor Product Knowledge Base**
- + **Vendor Forums and Newsgroups**
- + **Google Search**
  - silent
  - non-interactive
  - quiet
  - "sms package"
  - "network install"
- + **AppDeploy.com**
  - Package Knowledge Base
  - Message Boards

**+ Questions?**