

# SCCM Deployment

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<http://activedirectory.ncsu.edu>



# Topics

- Review Terms
- BRIEF How-To Package
- File Storage
- Naming Convention
- Create Package
- Create Program
- Create Advertisement
- Install Software



# Terms Review

- Collection
- Package
- Program
- Advertisement
- Mandatory
- Self-Service



# BRIEF How-To Package

- MSI
  - silent install
    - /q
      - uses default answers
  - transforms
    - customize answers
    - third-party software
- Installshield
  - setup.iss
    - create using /r
  - silent
    - `setup.exe /s /f1"C:\setup.iss"`
  - logging
    - `setup.exe /s /f1"C:\setup.iss" /f2"C:\setup.log"`



# BRIEF How-To Package

- WISE
  - silent
    - /s
- Set permissions, registry key, copy files, etc
- Tips
  - unattend/answer files
  - LUA Buglight
  - Sysinternals (process monitor, dependency walker, etc)
- Additional Help
  - <http://unattended.sourceforge.net/installers.php>
  - <http://tinyurl.com/3dugyv9> (Mediasite Training Video)



# File Storage

- Permissions
  - Share
    - Everyone:Full Control
  - NTFS
    - OIT100SCCM-SS: Full Control
- \\wolftech.ad.ncsu.edu\files\ncsu\SW-Package-Prestaging
- Folder naming
  - < Manufacturer >-<Software Title>-<Version>
  - Larger application packages might run into 255 character limit
    - Powershell Script



# Naming Convention

- Packages/Advertisements/Collections/Groups
  - All share same name
  - <OU>-EX-< Manufacturer >-<Software Title>-<Version>-< Architecture >-<Self-Service>
    - NCSU-EX-Microsoft-Office-2010-x86-SS
- Programs
  - Simple name
    - Microsoft Office 2010
  - Programs CANNOT be renamed



# Creating Collections...a Review

- Membership can be based upon anything that is inventoried
- Software distribution collections are based on AD groups
- Search criteria for collection should contain the EX, FW, or SW versions of the group name
- <http://tinyurl.com/5tvosnr> (Mediasite SCCM 101)





# Creating Packages

- Package name should match the name of the group in AD
- Options that need to be changed
  - This package contains source file
- Optional options
  - Enable binary differential replication
  - Use these fields for status MIF matching
    - <http://www.myitforum.com/articles/6/view.asp?id=9359>



# Creating Programs

- Program name should be simple
  - Programs CANNOT be renamed
- Disk space
- Allowed Runtime
- Specific Platforms
- Program can run
  - Mandatory
    - Only when no user is logged on
  - Self-Service
    - Whether or not a user is logged on
- Run another program first
  - Always run this program first



# Creating Advertisements

- Name of advertisement should match AD group name
- Schedule
  - Mandatory Assignment
    - As soon as possible
- Enable Wake on LAN
- Program Rerun behavior
- Distribution Points
  - OIT100SCCM-DP
  - OIT200SCCM-DP
  - OIT201SCCM-DP



# Testing Self-Service

- Make computer direct member of collection
- On advertisement make sure you do not set a schedule
- Have machine check-in
  - Control Panel -> System and Security -> Configuration Manager -> Action Tab -> Machine Policy Retrieval and Evaluation Policy
- Wait for Pop-up
- Two ways to run advertisement
  - Control Panel -> Get Programs
  - Control Panel -> Programs -> Run Advertised Programs
    - Select -> Run
- No visuals
- Logs
  - `execmgr.log`

