



Go fast with Win10 and SCCM

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Windows LTSB

- Should only be used for medical/lab equipment, POS systems and ATM's
- Should never be used in full production. Not all features of windows are available.
- DON'T BE LAZY

Enter System Center Configuration Manager

- New features are able to be managed at launch
- CM product team “fixes” issues faster than windows team
- Manage Windows Defender
- Manage O365 without manually creating xml
- BranchCache/Peer Cache/Delivery Optimization
- Reporting

Task Sequence vs Servicing

- Servicing is basically WU processes
- Task Sequence is very flexible
 - Perform pre and post install items
 - Allow user to “drive” install
 - Send user email or text when install is finished

Task Sequence

The screenshot displays the 'Windows 10 1803 Upgrade Task Sequence Editor' window. The left pane shows a hierarchical task sequence with the following main sections:

- Pre-Prep**
 - Set SMSTSDownloadRetryCount
 - Set SMSTSDownloadRetryDelay
 - Set High Power Plan**
 - Set TS Var "PowerPlan" to WMI's Active PowerPlan
 - Record Current Plan in SMSTS log
 - Set Power Options - High Performance
- Prepare for Upgrade**
 - Check Readiness for Upgrade** (highlighted)
 - Set CheckReadiness Fail
 - Compatibility Scan
 - Set Task Sequence Variable CompatScanFail
 - Battery Checks**
 - Network/Wired Connection Checks**
 - Remove incompatible applications**
 - Remove incompatible drivers**
 - Remove/suspend third-party security**
- Upgrade the Operating System**
 - Upgrade Operating System
 - Set Task Sequence Variable SMSWin10UpgradeFail
 - Restart Computer
- Post-Processing**
 - Apply setup-based drivers**
 - Install/enable third-party security**
 - Install Updates
 - Install Applications
 - Remove Edge Desktop Shortcut
 - Remove Built In Apps
 - Enable AppV
 - Set Explorer to launch "This PC"
 - Set Windows default apps and associations**
 - Apply customizations and personalizations**
 - Power Settings Restore**
 - Set Power Options - Balanced
 - Set Power Options - Power saver
 - Send Hardware Inventory
- Rollback**
 - Power Settings Restore**
 - Set Power Options - Balanced
 - Set Power Options - Power saver
 - Send Hardware Inventory
 - Exit if TS fails

The right pane shows the 'Properties' tab for the selected 'Check Readiness for Upgrade' task:

- Type: Check Readiness
- Name: Check Readiness for Upgrade
- Description: Check whether the computer is ready for the upgrade of the operating system.
- Options:
 - Ensure minimum memory (MB): 2048
 - Ensure minimum processor speed (MHz): 1024
 - Ensure minimum free disk space (MB): 20480
 - Ensure current OS to be refreshed is: CLIENT

Buttons at the bottom: OK, Cancel, Apply.

WSUS Issues

- Dual Scan
- Need to clean up the database
 - Use Automated Script
- 1806 will do this for you

Random

- Use SCCM to help you upgrade from Windows 7 to 10
 - Enable UEFI, Bitlocker and SecureBoot
- Dell integration
- Configuration Items replace GPO's
 - Scripts to convert

How to get more

Join the SCCM campus mailing list

sccm-users@lists.wisc.edu

User Group Meeting 6/19/2018 @ 1pm. CS2310

Get on Twitter!

Twitter is THE place to get technical information

Attend MMS

May 6-9 2019 @ Mall of America