



TRUESEC



Modern BIOS and Driver Management



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Agenda

- Modern Driver Management
- Modern BIOS Management



Modern Driver Management (MDM)

- Dynamic driver detection solution
- Vendor and model detection
 - Dell, Lenovo, HP, and Microsoft
- Operation modes
 - BareMetal, OSUpgrade, DriverUpdate
- Single task sequence step
 - Detect, download and apply (DISM.exe)
 - Pnputil.exe for driver updates



MDM Components

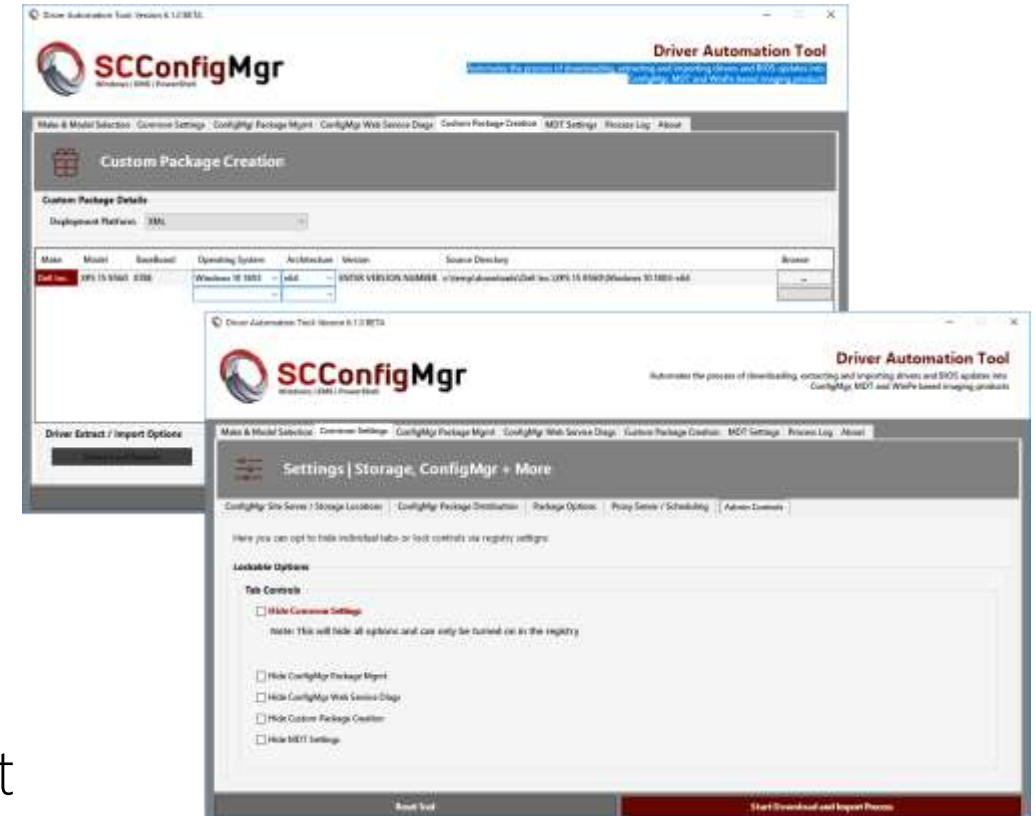
- Driver Automation Tool
 - Download and create driver packages
- ConfigMgr WebService
 - Used for secure retrieval packages during deployment
- Invoke-CMApplyDriverPackage.ps1
 - Detect, download and inject drivers
 - Logging to ApplyDriverPackage.log



MDM - Updates



- Updated UI in 6.1
 - Model list can be expanded
 - Main tabs can be hidden via a new admin tab / registry value
- Windows 10 version support for Lenovo
- Driver Extraction & Import
- Matching OS value changed from build to version
- Ability to rename existing packages with Windows 10 build numbers to the new format



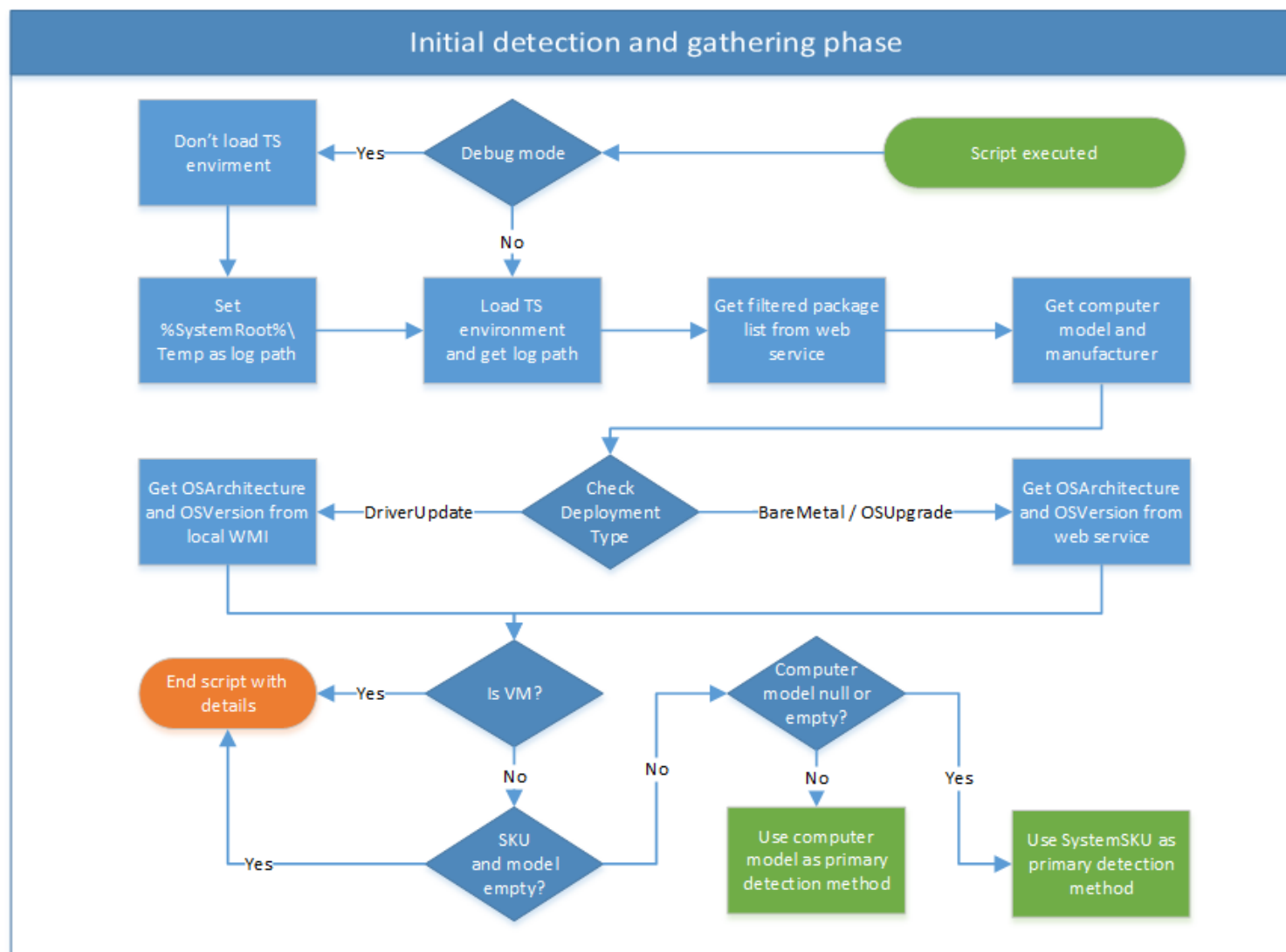


MDM Updates

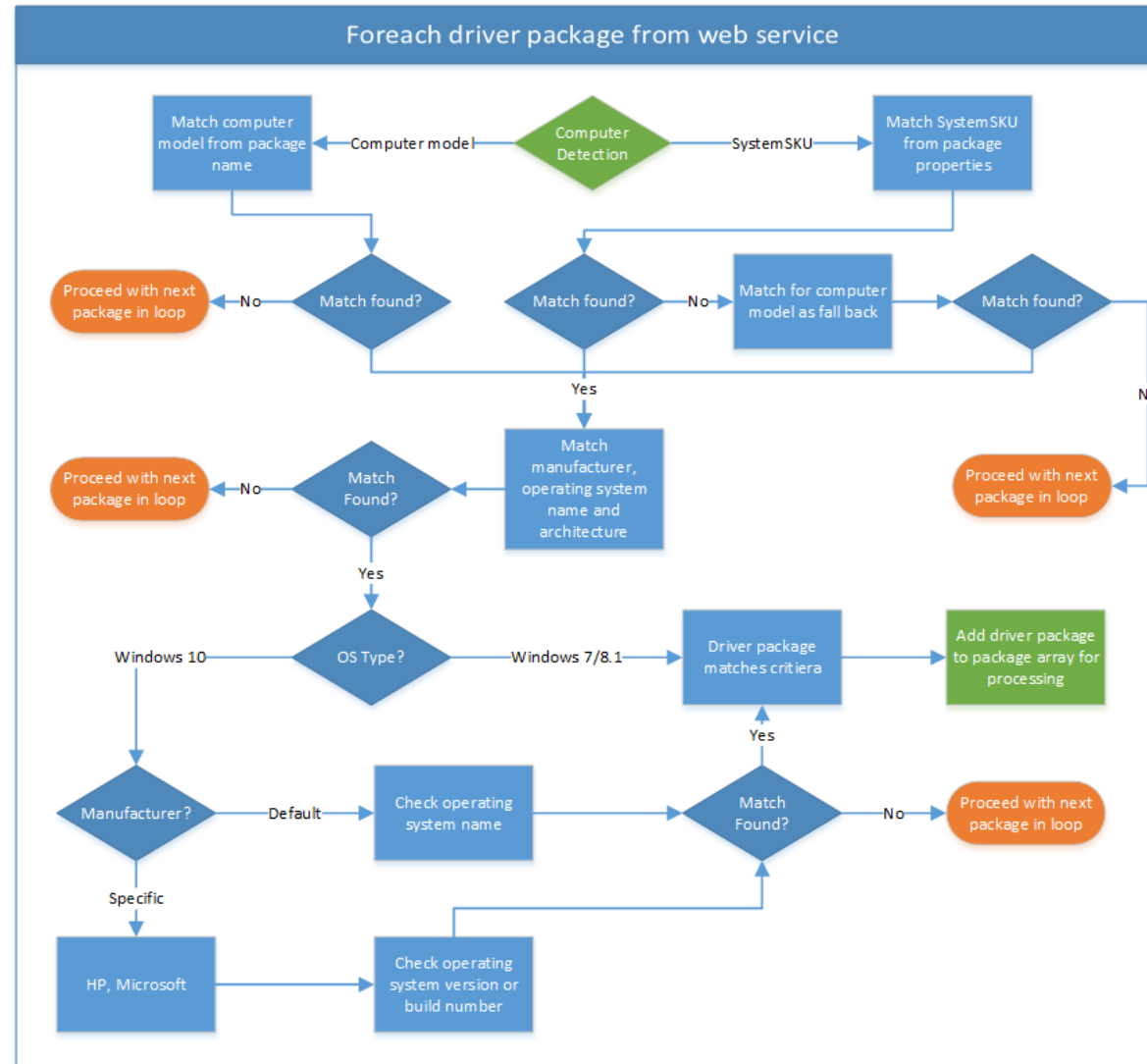
- Support for multiple Apply Operating System steps
 - Use OSImageTSVariableName parameter
- Install each driver separately or recursively
 - Use DriverInstallMode
- Updated detection logic with fallback from SystemSKU to computer model
- Panasonic and Viglen added for manufacturer support
 - Only in Invoke-CMApplyDriverPackage.ps1 script
- XML model list creation for MDM via third party products



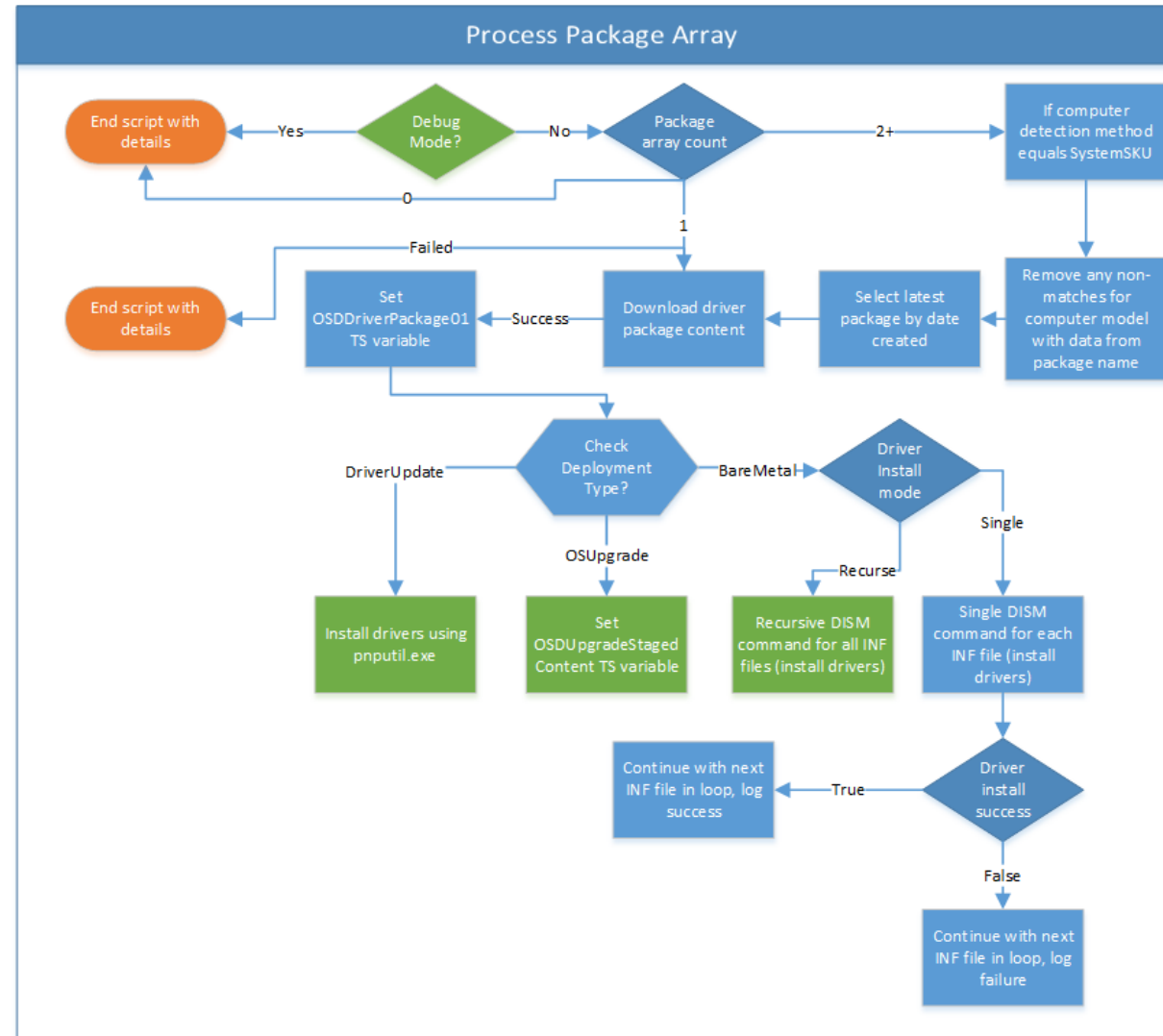
MDM logic – Gather data



MDM logic – Matching packages



MDM logic – Download and apply





Demo

Modern Driver Management



Modern BIOS Management

- Dynamic BIOS updating solution
- Vendor and model detection
 - Dell, Lenovo, HP
- Download BIOS setup files with Driver Automation Tool
 - Manually or scheduled
- Two task sequence steps
 - Detect, download
 - Vendor specific update script



Resources

- ConfigMgr WebService
 - <http://www.scconfigmgr.com/configmgr-webservice/>
- Driver Automation Tool
 - <http://www.scconfigmgr.com/driver-automation-tool/>
- Modern Driver Management
 - <http://www.scconfigmgr.com/modern-driver-management/>
- Modern BIOS Management
 - <http://www.scconfigmgr.com/modern-bios-management/>



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