Microsoft System Center Configuration Manager

Using best in class software to manage your Microsoft environment

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What can Configuration Manager (SCCM or CM) do?

• Application Delivery
• Endpoint Protection
• Compliance
• Software Updates
• Power Management
• Operating System Deployment

• Inventory
• Reporting
• Windows 10 Management
• Asset Intelligence
• Features added every release
Collections

- Groupings of computers or users
- Can be made up of almost infinite definitions
  - OU’s
  - Installed Software
  - Installed roles
  - Registry Setting
  - WMI
  - Etc.
Application Delivery

- MSI, EXE, Scripts, AppV
- Can deliver to any collection
- Logic can detect if app installs correctly or not
- Can force remediation of required apps
- Apps can be install on demand out of a catalog
  - Useful for machines where users are not administrators
Compliance

• Can find out if a setting, software, etc is in effect
• Uses WMI, registry or script
• Can remediate or report

Software Updates

• Uses WSUS in the background
• Can deploy to any collection of machines

Power Management

• Takes advantage of the power management features built into Windows
• Can have settings for business and non-business hours
Operating System Deployment

- Create and deploy windows images
- Uses “task sequences”
- Allows dynamic installs
- Supports wipe and reload and upgrade scenarios
Inventory

- Hardware
  - Cpu, Memory, etc
  - Operation System
  - Installed programs

- Software
  - File types and versions
  - Can collect files
  - Most people don’t use this
Reporting

- Gather, organize, and present information about users, hardware and software inventory, software updates, site status, and other Configuration Manager operations in your organization.
- All information in the console is stored in the SQL database
- Uses SQL reporting services
- 478 (and increasing) built in reports
Windows 10 Management

• View currently installed editions and when support runs out
• Allows for complex servicing scenarios
• Can be a trusted installer for Device Guard
• New features of Windows 10 can be managed right away
• Only way to centrally manage Windows Defender
Licensing

- CM server install is free
- SQL Standard license for CM only is free
- Campus Agreement covers all windows client OS’s
- Must purchase System Center Management Licenses for servers
  - ML’s cover all of system center programs
Resources

• Twitter!

• Campus Mailing List and User Group

    sccm-users@lists.wisc.edu