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Windows Management
User Group
Netherlands

Master your Apple OS X devices with ConfigMgr 2012 R2

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Who am I?

Peter Daalmans

- Senior Technical Consultant at IT-Concern BV
- @pdaalmans.com / Peter.Daalmans@it-concern.nl
- Microsoft MVP: Enterprise Client Management (ConfigMgr and Windows Intune)

Communities

- Founder WMUG NL (<http://wmug.nl>)
- Founder and Blogger ConfigMgrBlog.com

Author

- Mastering System Center 2012 Configuration Manager
- Mastering System Center 2012 R2 Configuration Manager



Agenda

- Native manageability options
 - Setting up support and enroll Mac OS X clients
 - Deploy Settings
 - Hardware Inventory
 - Deploy Applications
- Extend ConfigMgr 2012 R2 with Parallels

Native Manageability options

Native Manageability options

- Support for Mac OS X 10.6, 10.7, 10.8 and 10.9
 - 10.10 not *yet* supported, but may work
- Hardware Inventory
- Application Deployment
- Settings Management

Enrollment of Mac OS X

What do we need?

- Public Key Infrastructure (AD CS)
- Site server with Internet FQDN
- HTTPS-enabled Management Point
- HTTPS-enabled Distribution Point
- Enrollment Point and Enrollment Proxy Point

Installation/Enrollment

- Terminal-based install (Console/SSH)
- Manual certificate enrollment
- User-driven GUI in SCCM 2012 R2

Demo

enrolling Mac OS-X device

Inventory

- Hardware inventory (CIM)
- Installed programs via hardware inventory
- Inventory schedules handled by Default Client Policy

Demo inventory

Application Management

- Native in ConfigMgr 2012 SP1 / R2 using CMMAC wrapper
- Supports APP, PKG, MPKG, DMG
- Detection via Application Bundle ID and Package ID
- Deployment to Devices, not Users
- Simulate Deployments are supported
- Must be a required deployment
- BITS not supported
- Global conditions not supported

Demo

Deploy Applications

Settings Management

- Creation of Items and Baselines
- Report compliance of preferences
- Remediate preferences

- Managing preferences is getting harder because of changes since 10.8 and 10.9 and the ConfigMgr Client for Mac OS X

- Supports directly managing (system) preferences
- Supports discovery and remediation scripts

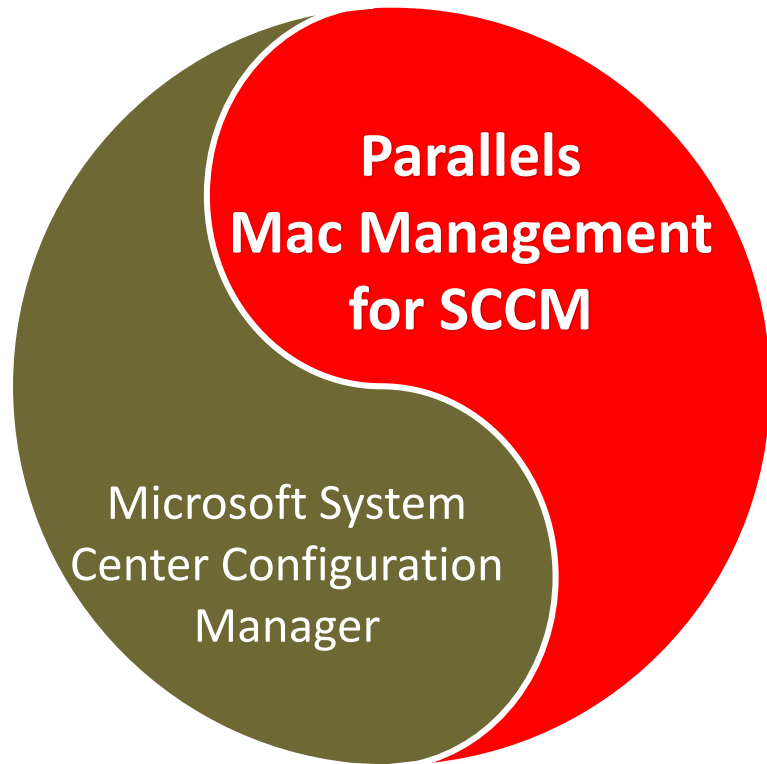
Compliance Settings

- System preferences are stored in `\Library\Preferences`
- So why can't I manage user preferences?
 - User preferences are stored in `~\Library\Preferences` (`\Users\%USER%\Library\Preferences`)
 - Configuration Manager client operates in Root context
 - So the client will change Preferences of User Root (DCR to be submitted)
 - Workaround = using Apple shell scripts
 - `defaults read <preference> <setting> <value>`
 - `defaults write <preference> <setting> <value>`

Demo settings management

Extend ConfigMgr 2012 R2 with Parallels

Manage Macs with SCCM



- Discovery & Enrollment
- Inventory
- Enforce Compliance
- Software deployment
- Patch deployment
- OS image deployment
- Application Portal
- Reporting

Parallels vs. SCCM 2012 R2

	Parallels	SCCM 2012 R2
Discovery and Enrollment		
Network discovery and automatic enrollment	●	○
Manual enrollment	●	●
Inventory		
Hardware and software inventory	●	●
Collect AppleCare warranty status	●	○
Compliance		
Deploy Mac OS X Configuration Profiles	●	○
Easy to use OS X Configuration Profile editor	●	○
Push scripts as SCCM Configuration Items	●	●
Enable FileVault 2 encryption	●	○
Escrow and retrieve FileVault 2 personal keys	●	○

Parallels vs. SCCM 2012 R2

	Parallels	SCCM 2012 R2
Software and Patch Deployment		
Deploy software via SCCM Package Deployment	●	○
Deploy software via SCCM Application Deployment	●	●
Self-Service Application Portal for Macs	●	○
Silent & interactive deployment modes	●	○
Mac OS X Image Deployment		
Deploy Mac OS X images via SCCM	●	○
Remote Assistance		
Remote Assistance via VNC	●	○
Remote Assistance via SSH	●	○
Configuration		
Works without PKI infrastructure	●	○

Demo Parallels

Resources

- Blog James Bannan: <http://www.jamesbannanit.com>
- Blog Kent Agerlund: <http://kea.coretech.dk>
- Mac Scripiter: <http://macscripiter.net>
- Technet: <http://blogs.technet.com/b/pauljones/archive/2013/06/02/managing-mac-os-x-with-system-center-2012-configuration-manager.aspx>
- Blog Peter Daalmans: <http://configmgrblog.com>
- Blog Chris Nackers: <http://www.chrisnackers.com>

- See you at #ConfigMgrTalk and #EMSTalk 😊

Danke, thank you!
