Armoring your mobile workforce warriors for the 21st century

with System Center Configuration Manager 2012 R2

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#CMCE_CH

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Key Takeaways

Understanding

- These concepts:
  - UDM Integration with CM12
  - ConfigMgr Extensions for Windows Intune
  - Company Resource Access

Knowing

- How to implement them

Assumptions

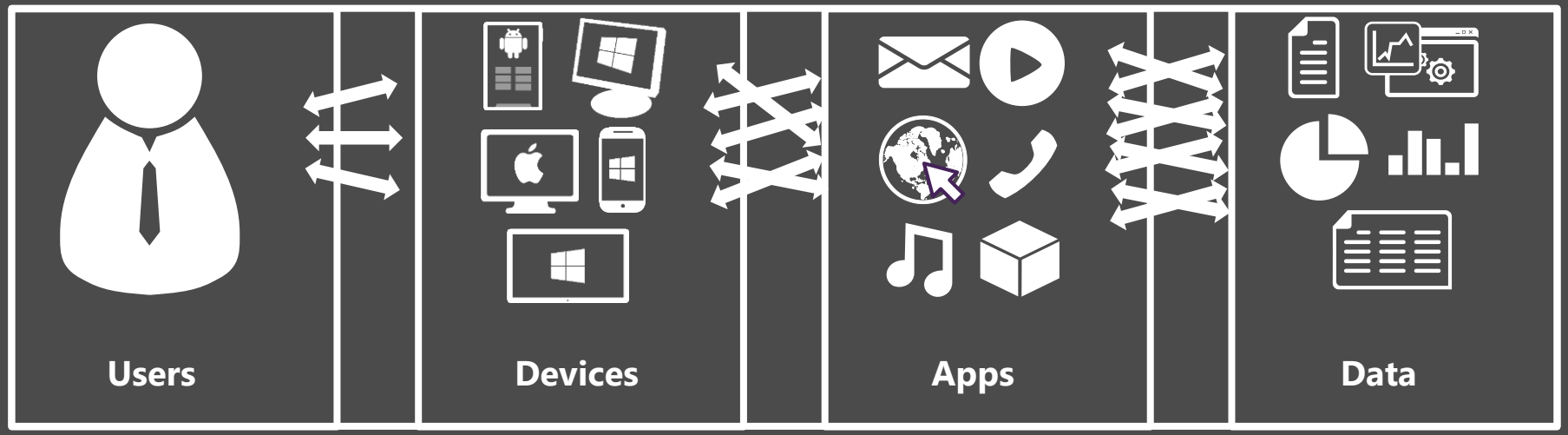
About our audience

- Practical experience with System Center Configuration Manager 2012 SP1/R2
- Knowledge of Windows Intune and Device Enrollment

About us

- Not aiming to explain in detail
  - "How to enroll all possible devices"
  - "All possible UDM capabilities"

INTRODUCTION



What we want Reality

UDM Management Capabilities

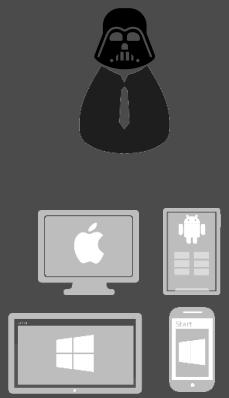
- Over the air enrollment
- **Retire and wipe devices**
- **Configure compliance settings on devices**
  - **Settings for passwords, security, roaming, encryption, and wireless communication.**
- **Deploy certain Resource Profiles**
  - **VPN Profiles, WIFI and Email Profiles.**
- Deploy line of business apps to device
- Deploy apps from the store that the device connects to
- **Collect inventory**
  - **Hardware**
  - **Software**

Is your ConfigMgr Environment ready for UDM?

- Cumulative Update 3 or 4
  - http://support.microsoft.com/kb/2994331
  - http://support.microsoft.com/kb/3026739
- Additional Hotfixes (*if on CU3*):
  - http://support.microsoft.com/kb/2990658
  - http://support.microsoft.com/kb/3002291

DEVICE ENROLLMENT

Enrolling Devices



Users can **enroll devices** that configure the device for management with Windows Intune; the user can then use the **Company Portal** for easy access to corporate applications

Connector

Internal Connector

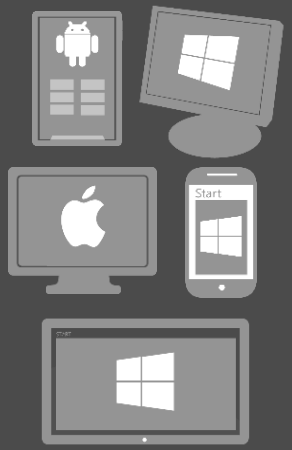
Data from **Windows Intune** is in sync with **Configuration Manager**, which provides **unified management** across both on-premises and in the cloud

Dirsync

Web Application Proxy

ADFS

Mobile Device – Personal vs Corporate



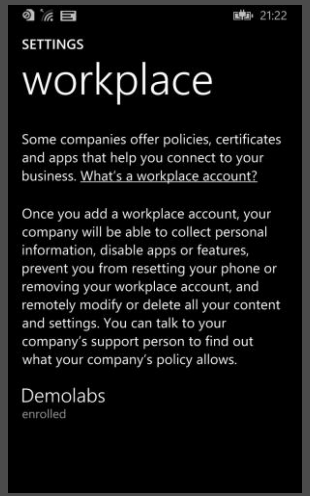
Personal
vs.
Corporate Owned
Devices

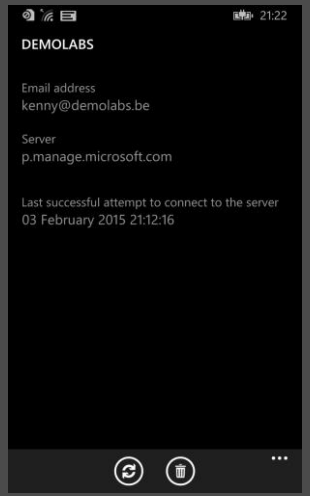
App Management

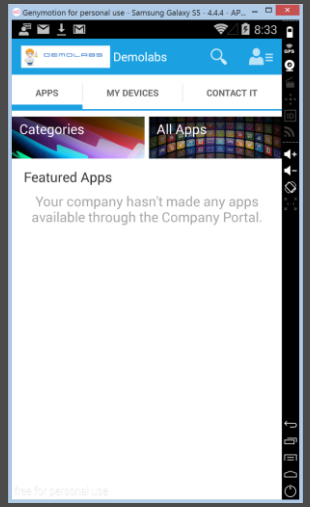
- By default, user-enrolled devices are “Personal”
- Admin can specify corporate-owned devices !

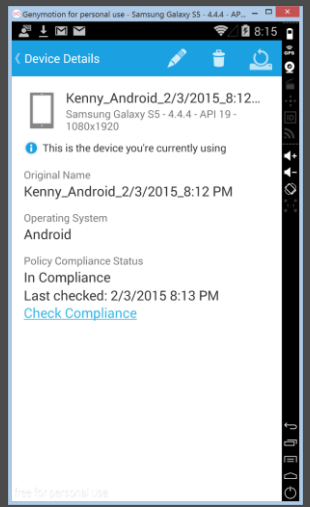
Mobile Device – Portals

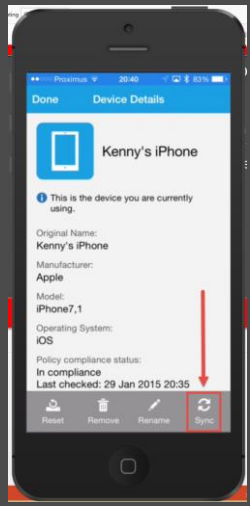
All portals offer the same experience
(except for Windows Phone)











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Enrollment

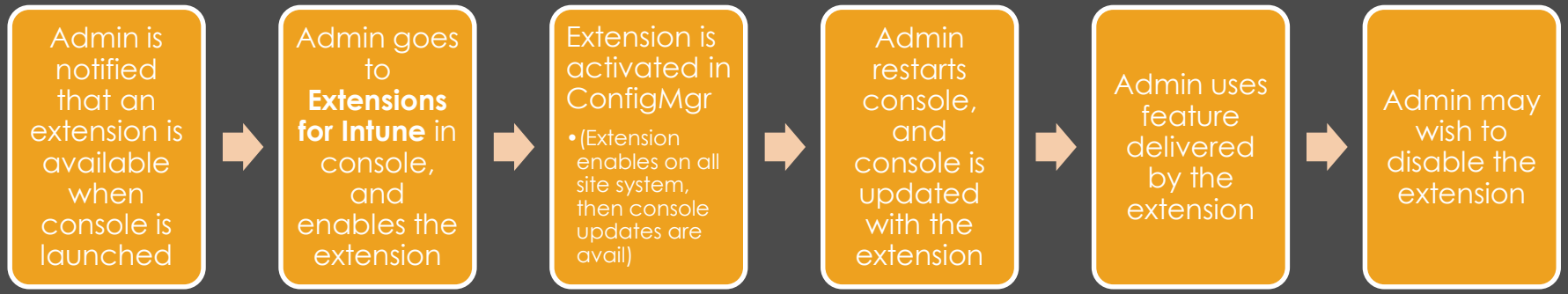
As a side note …

- ADFS with Workplace join?
  - Windows Phone 8.1 requires GDR 2
  - v 8.10.14192.280

INTUNE EXTENSIONS

Configuration Manager Extensions for Windows Intune

- Rapid delivery of features within ConfigMgr , see http://scug.be/tim/2015/02/06/microsoft-intune-february-update-introduces-more-new-features/
- Updates are automatically downloaded and optionally enabled through admin console.



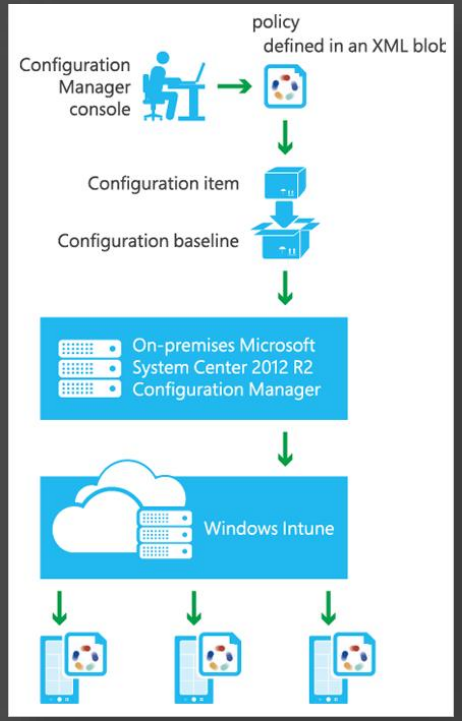
As a side note …

- Permissions !
  - Local Admin Required

- See:
  - http://scug.be/sccm/2014/02/11/cm12-extensions-for-windows-intune-resources-and-gotchas/

SETTINGS MANAGEMENT

Key Concepts



Mobile Device Settings in ConfigMgr 2012 R2

Category	Win 8.1 PC & RT	WP8.1	iOS	Android
VPN	✓	✓	✓	
Wi-Fi	✓	✓	✓	✓
Certificates	✓	✓	✓	✓
Email		✓	✓	
Password	✓	✓	✓	✓
Device restrictions	✓	✓	✓	✓
Store access		✓	✓	
Browsers	✓	✓	✓	
Content Rating			✓	
Cloud Synch	✓	✓	✓	
Encryption	✓	✓	✓	✓
Security	✓	✓	✓	✓
Roaming	✓	✓		✓
Windows Server Work Folders	✓			

COMPANY RESOURCE ACCESS

Resource Access Configuration

Features*

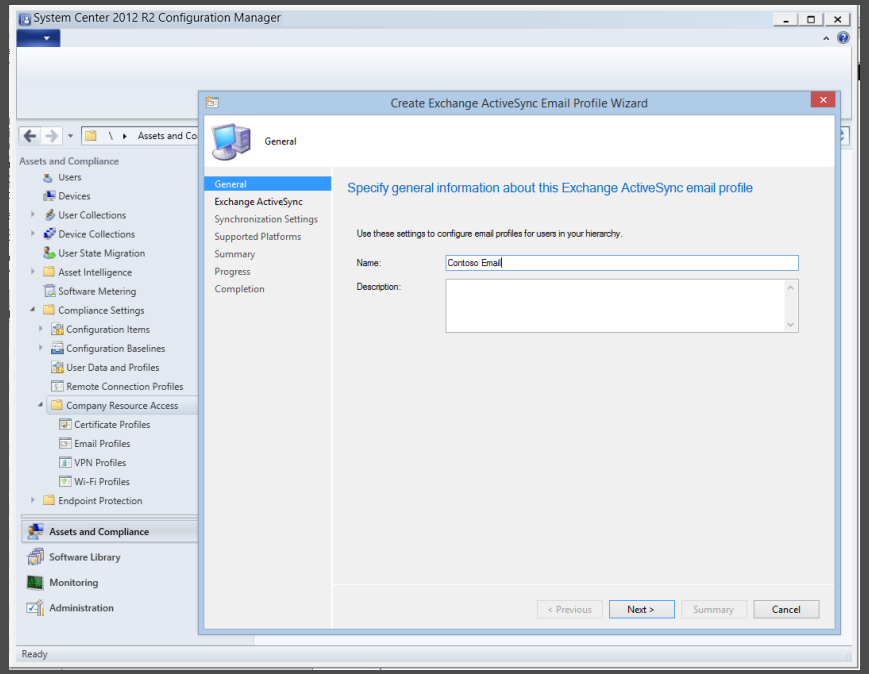
- Configure VPN profiles
- Support for Windows 8.1 Automatic VPN
- Wi-Fi protocol and authentication settings
- Email account profiles
- Management and distribution of certificates

Benefits

- End users get access to company resources with no manual steps for them

Platforms

- Windows 8.1
- Windows 8.1 RT
- iOS
- Android
- Windows Phone 8.1



VPN Profile Management

Support for Major SSL VPN Vendors

SSL VPNs from Cisco, Juniper, Check Point, Microsoft, Dell SonicWALL, F5
Subset of vendors have Windows VPN plug-in

Support for VPN standards

PPTP ,L2TP, IKEv2

Automatic VPN connection

DNS name-based initiation support for Windows 8.1 and iOS
Application ID based initiation support for Windows 8.1

Wi-Fi and Certificate Profiles

Wi-Fi Settings

Manage Wi-Fi protocol and authentication settings
Provision Wi-Fi networks that device can auto connect
Specify certificate to be used for Wi-Fi connection

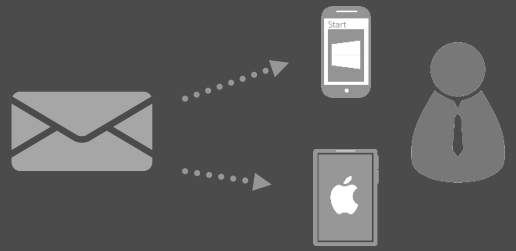
Manage and distribute certificates

Deploy trusted root certificates
Support for Simple Certificate Enrollment Protocol (SCEP)

EMAIL PROFILE MANAGEMENT

Overview

- Delivered as Configuration Manager Extension for Windows Intune
- Configure account settings and security restrictions
- Enable certificate authentication
- Support for iOS and Windows Phone 8.1



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Settings Management

Email Profiles Management

Notes from the field

- Email profile not provisioned?
  - Check Mail Attribute in AD -> cannot be empty !
  - See: http://scug.be/sccm/2014/03/21/sysctr-configmgr-2012-and-intune-provisioning-email-profiles-and-the-why-the-profile-may-not-turn-up-on-devices-such-as-an-ipad/

ADVANCED INVENTORY SCENARIOS

Collecting IMEI from devices

- Retrieve International Mobile Equipment Identity (IMEI)
  - Through custom MOF
  - Windows Phone 8.1
- Full Details:
  - http://blogs.technet.com/b/configmgrteam/archive/2014/07/30/collecting-imei-from-devices-enrolled-in-windows-intune-with-sc-2012-r2-configmgr.aspx

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Advanced Inventory

Q & A

Weitere Infos

Digicomp Kurse neu

https://www.microsoft.com/learning/en-us/course.aspx?ID=20695A&Locale=en-us
https://www.microsoft.com/learning/en-us/course.aspx?ID=20696A&Locale=en-us

Herzlichen Dank

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Bewertung der Session: Configmgr.ch

- Xing: https://www.xing.com/net/cmce
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