MVP Dagen 2018

Norske MVPer på farten igjen

http://mvpdagen.no

#MVPdagen

MODERN MGMT

HVA ER DET?
HVORDAN KOMMER VI DIT?

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- MVP ENTERPRISE MOBILITY

PARTNER & PRINCIPAL CLOUD ARCHITECT

FAMILIE – GEEK- MOTORSYKKEL

CloudWay

MARIUS A. SKOVLI

- MVP ENTERPRISE MOBILITY

PARTNER & PRINCIPAL CONSULTANT

WHISKY/FILM – FJELLET/LØPE – NYBAKT FAMILIE

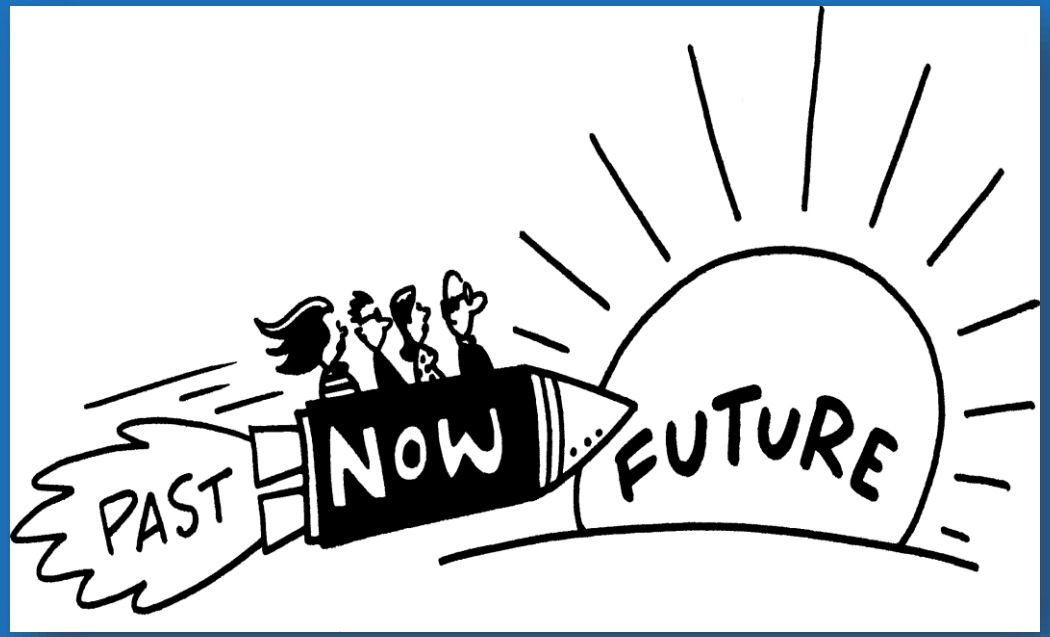
CTGlobal

MODERN MANAGEMENT

Er det bare et buzzword? Hva ligger egentlig bak dette som alle snakker om?

HVOR VIL DU VÆRE?

VS



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GET CURRENT

- Get to Windows 10
- Get to a Modern version of Office
- Get started on Modern Management

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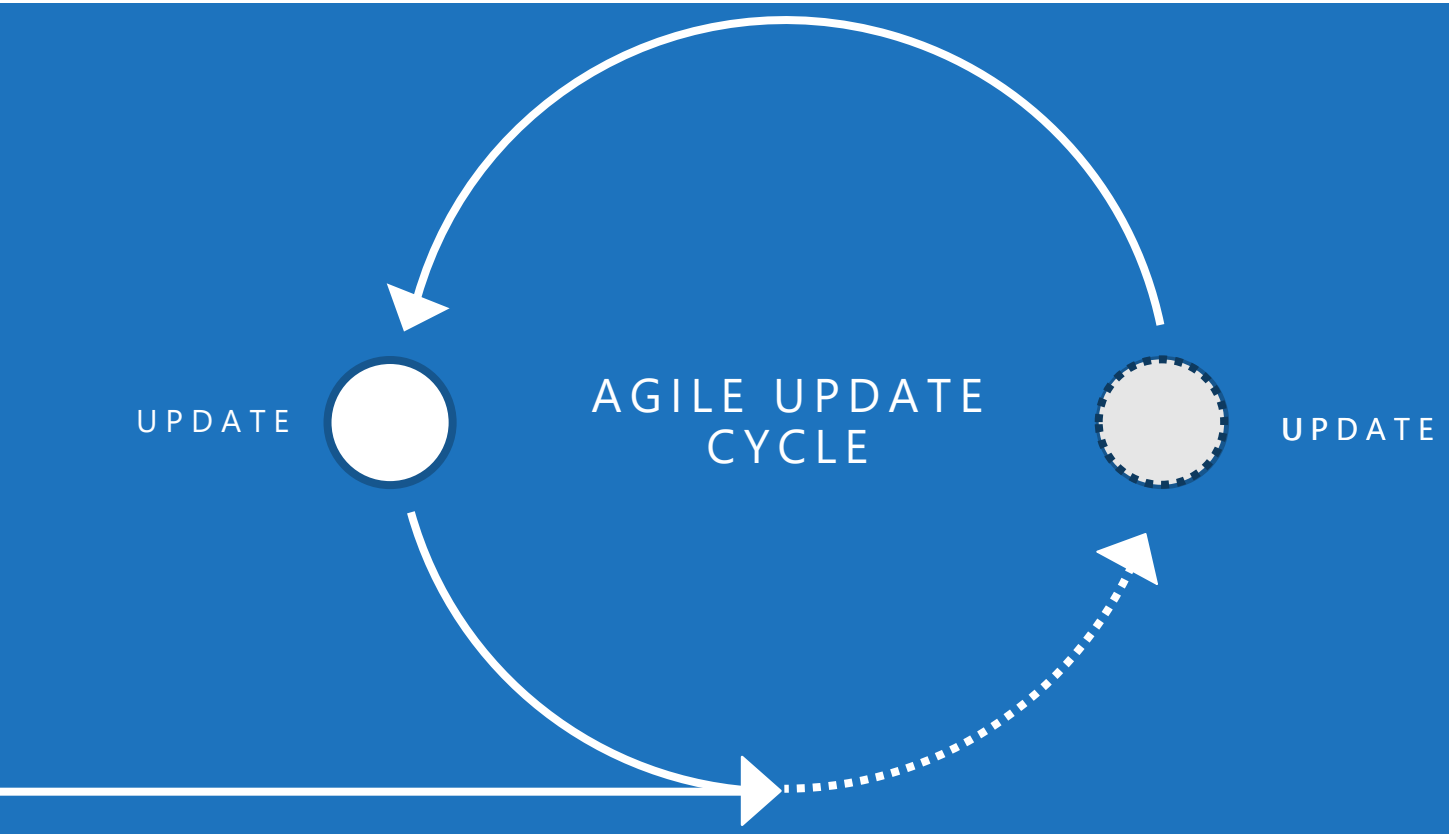
STAY CURRENT



Being up to date is the **foundation** of modern IT

2 UPDATES PER YEAR

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STAY CURRENT

2018 2019 2020

Windows 10 1709

Office 365 ProPlus 1708

Windows 10 1803

Office 365 ProPlus 1802

Windows 10 1809

Office 365 ProPlus 1808

Aligned with Office

For simpler deployment planning

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EXAMPLE: OFFICE SUPPORT

O365 ProPlus will not be supported on Windows 10 Semi-Annual Channel (SAC) versions that are no longer being serviced.

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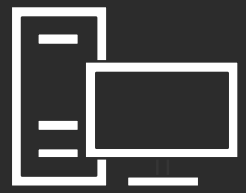


Traditional IT

Single Device

Business Owned

Corporate Network & Legacy Apps

Manual

Reactive

High-touch

Modern IT

Multiple Devices

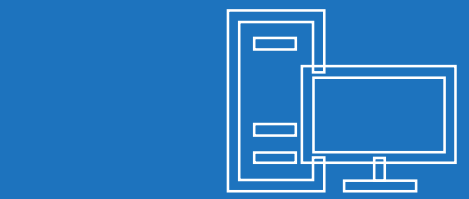
User and Business Owned

Cloud Managed & SaaS Apps

Automated

Proactive

Self-Service



SCCM

Custom Corp Image

WSUS

Traditional

Security Tools

Corpnet Connection

Active Directory (AD) / Azure Active Directory (AAD)

Application Stores

Intune

OEM Image

Windows Update for Business

Modern

Advanced Threat Protection (ATP)

Any Internet Connection

Azure Active Directory (AAD)

Microsoft Store for Business

MAIN COMPONENTS IN MODERN IT

- Identity
- Multifactor Authentication
- Conditional Access
- Information Protection
- App Access
- Threat protection

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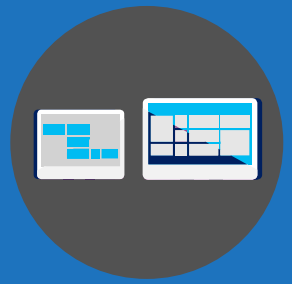
TRADITIONAL

≠

MODERN

CHALLENGES AHEAD...

CHALLENGES WHEN MOVING TO MODERN MANAGEMENT



Feature gaps

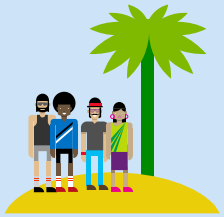
The monolithic "One Day" problem

Partner and home grown solutions

Windows 7

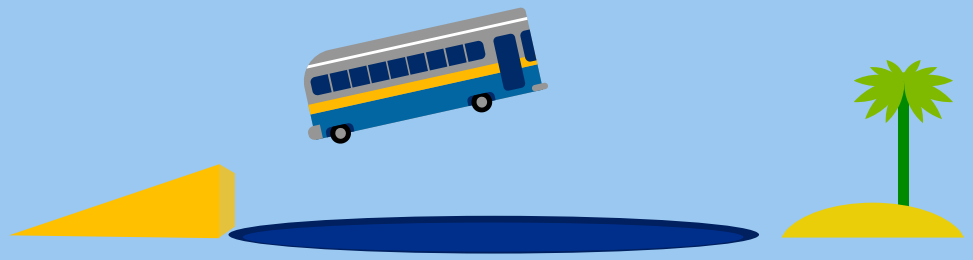
PATHS TO MODERN MANAGEMENT

Cloud-first



A new organization starting with modern workplace

Big Switch Transition

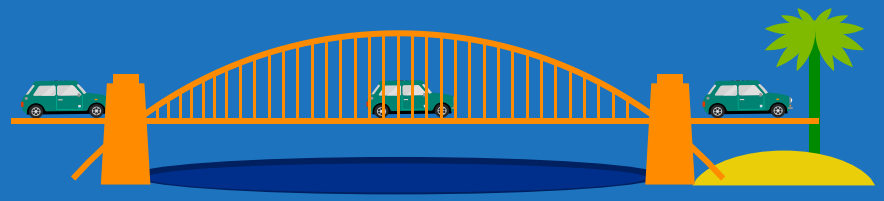


Many workloads need to be modernized at the same time

Group by Group Transition

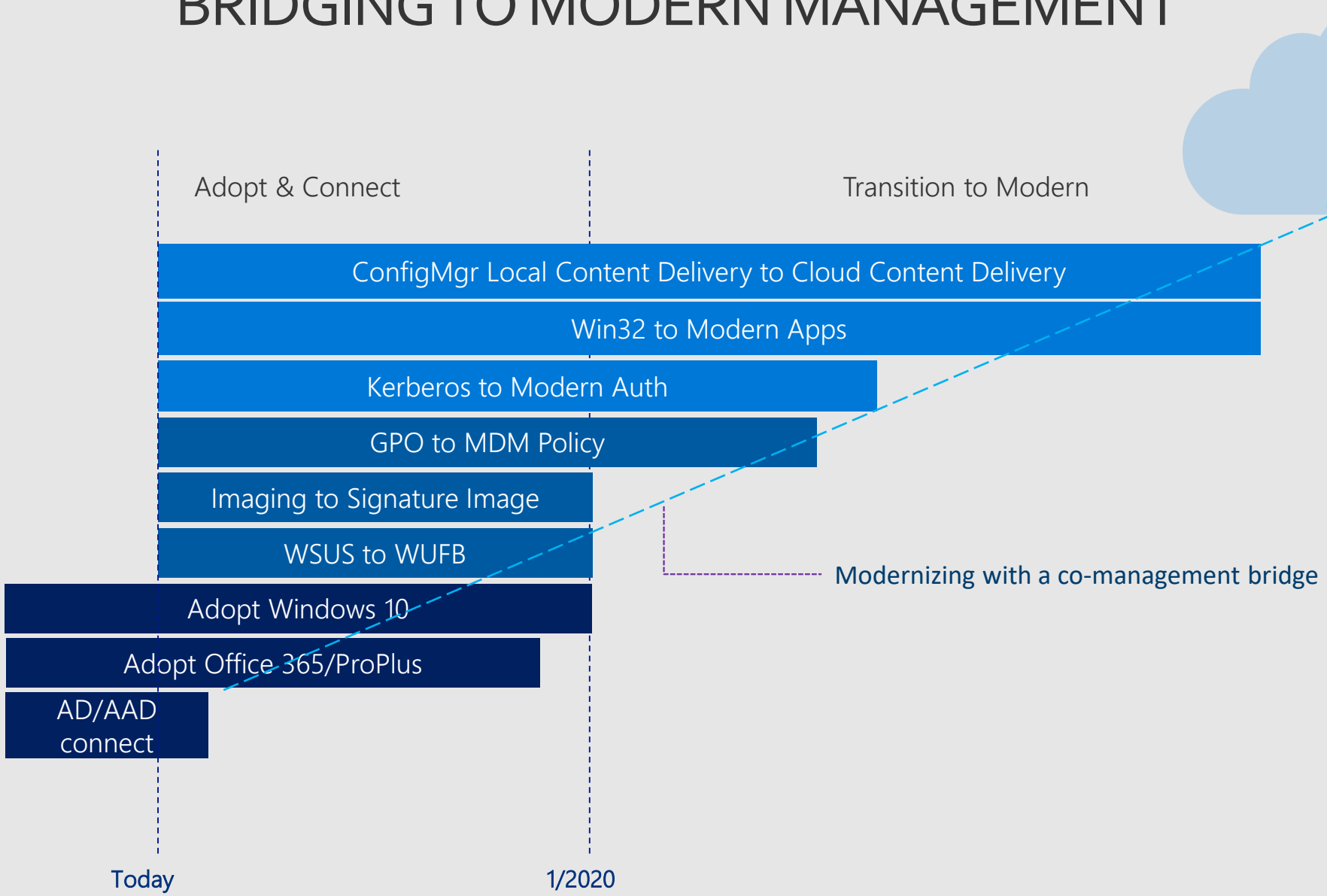
Doesn't address the needs of the full organization

Iterative (Co-management)



Iteratively move workloads to modern

BRIDGING TO MODERN MANAGEMENT



DEPLOY & MANAGE

FIRST STEP - GET CURRENT

- Move from older Windows to latest Windows 10
  - Windows 10 1511 support has ended
  - Windows 10 1607 support will end 4/10/2018
  - Windows 10 1703 support will end 10/9/2018
  - Windows 10 1703 support will end 4/9/2019
  - Windows 10 1803 support will end 11/12/2019
- Move to Office 365
  - And / or Microsoft 365
- Get your infrastructure upgraded
  - Windows Server
    - Windows Server 2008 R2 Service Pack 1 - 1/13/2015 | 1/14/2020
    - Windows Server 2012 R2 10/9/2018 | 10/10/2023
  - Domain & Forest
  - Move to System Center Configuration Manager Current Branch (1802)
    - Upgrade your ConfigMgr CB environment to 1802

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THIS ENV.

- Microsoft 365 E3
  - Windows 10 Enterprise
  - Office 365 E3
  - Enterprise Mobility + Security (EMS) E3
    - Azure AD Premium
    - Microsoft Intune
- Windows 10 1803 Pro
- Windows Server 2016
  - Active Directory
  - Certificate Authority
  - DNS / DHCP
  - System Center ConfigMgr Current Branch TP 1805
    - 1802 is official release

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MICROSOFT INTUNE

- Lighter management with MDM
  - Windows 10 Management Profiles
  - Windows 10 Compliance Profiles
  - Windows Update for Business
  - Windows Store for Business
- Security Settings
- Windows Defender with Defender ATP Integration
- Dynamic Targeting
- App Install (Store, MSI ,MSIX , Powershell)

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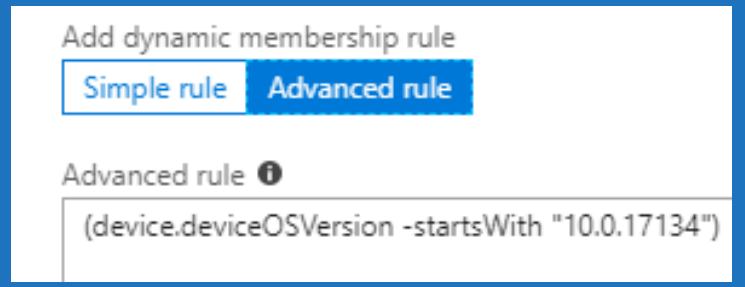
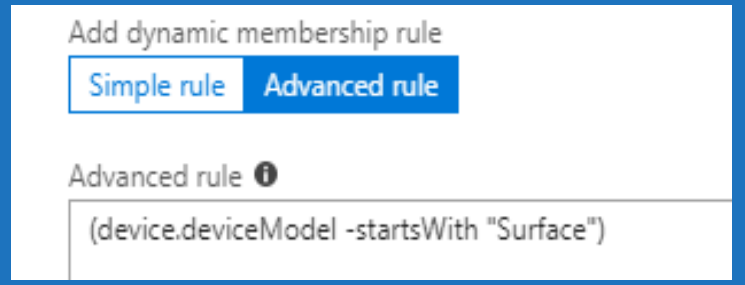
MICROSOFT INTUNE – DYNAMIC TARGETING?

- Dynamic Device Groups for Targeting
  - OsVersion
    - Target a Powershell script to certain version of Windows 10



  - DeviceModel
    - Target app or configuration to certain HW Models (e.g. Surface)



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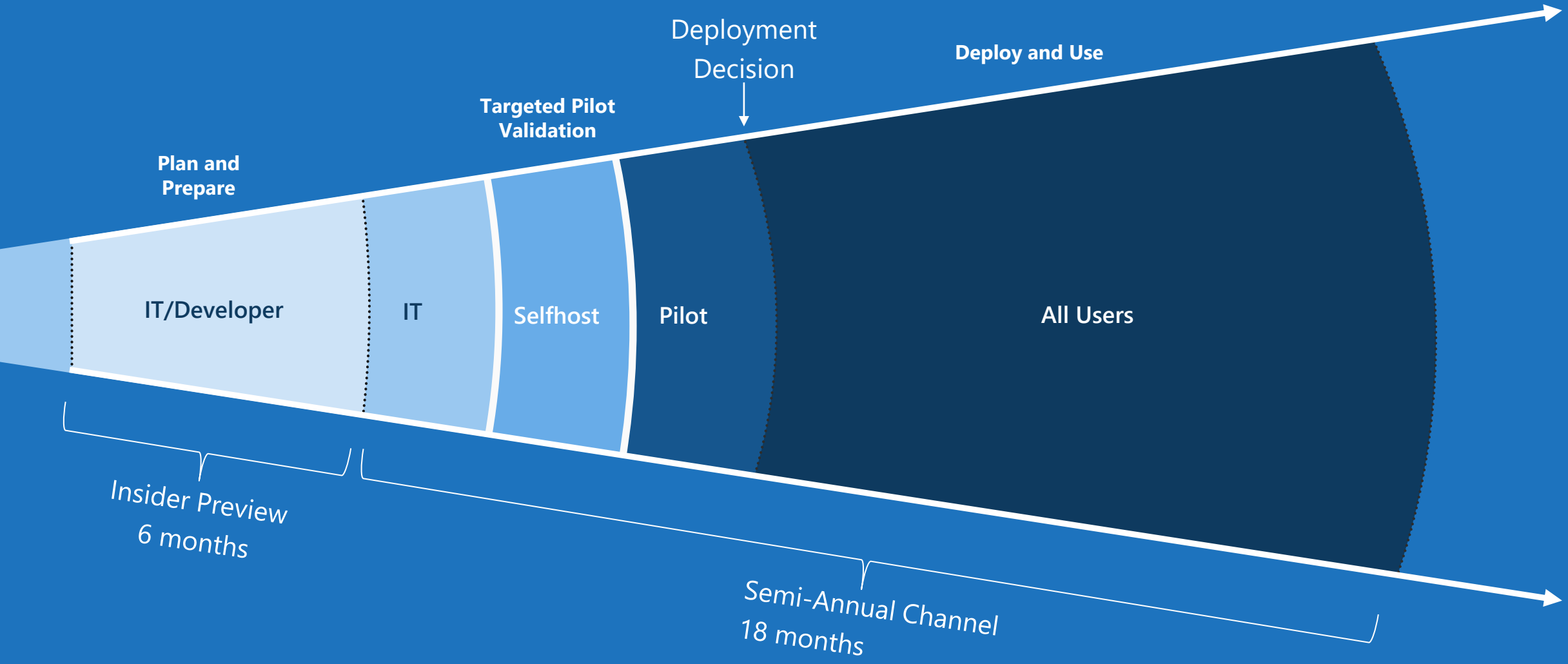
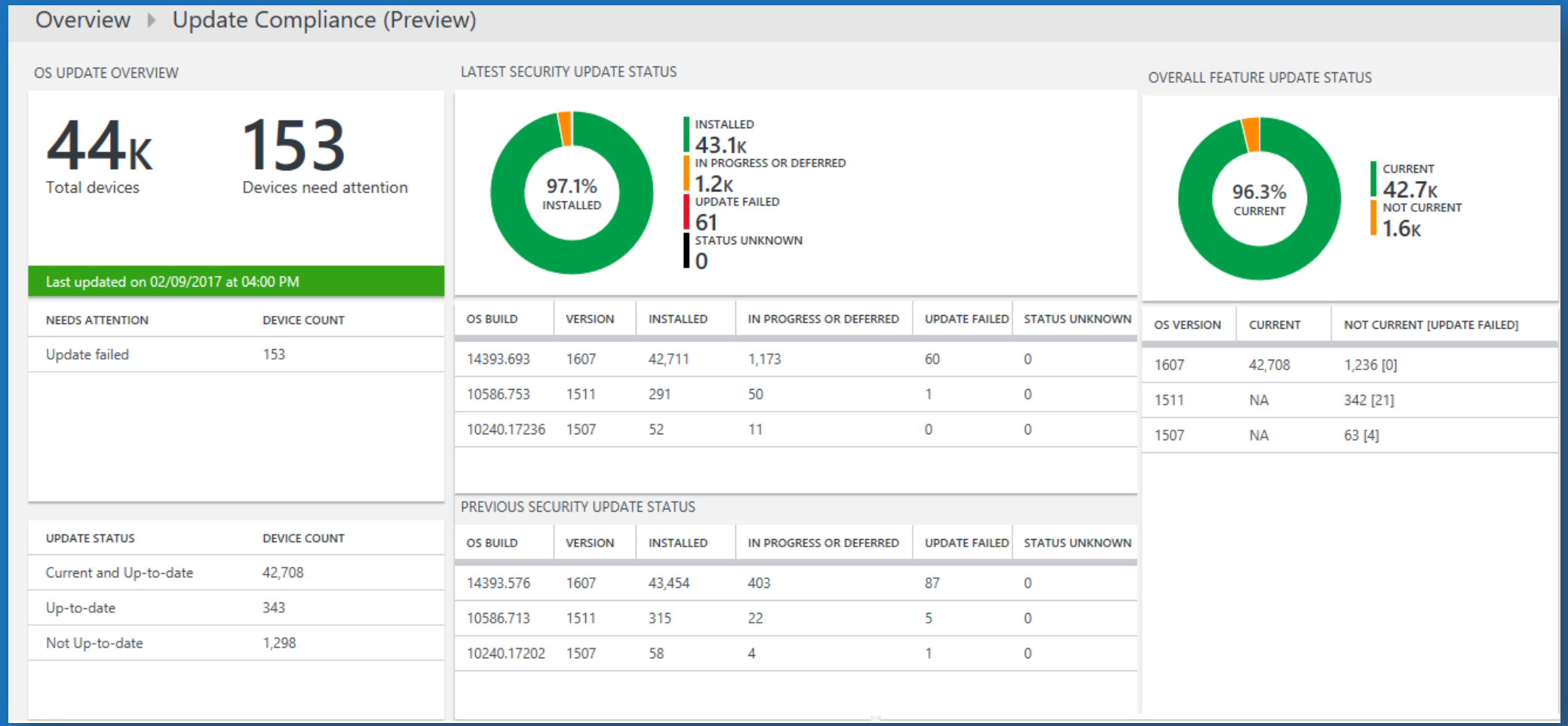
WINDOWS AS A SERVICE
INTERNAL DEPLOYMENT RINGS



MONITORING WUFB WITH ANALYTICS



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Windows 10 Management Profiles

Windows 10 Compliance Profiles

Windows Update for Business

Microsoft Store for Business

Controls

AZURE AD JOIN VS. DOMAIN JOIN VS. HYBRID JOIN

- SSO to all Online .onmicrosoft.com services
  - SSO to On-Prem services if Prereqs are configured
  - No ADFS Required (But works with ADFS and FEIDE solutions)
- Self-Service portals out for the box
- MFA and other Security features out of the box
- Simple to join
- Simple to manage
- Conditional Access
- Enterprise State Roaming

Self-service deployment

Make any new PC enterprise-ready via a simple self-service experience.

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DEMO

Azure AD Configuration for Azure AD Join

OSD OPTIONS
HOW TO DEPLOY WINDOWS 10?

Slowly move from traditional OSD to OOBE

- Use AutoPilot in 1:1 scenarios
- Use OSD and Provisioning packages in Shared Device / Kiosk scenarios
  - Windows 10 ISO + USB
  - Microsoft Deployment Toolkit + WDS
  - System Center Configuration Manager

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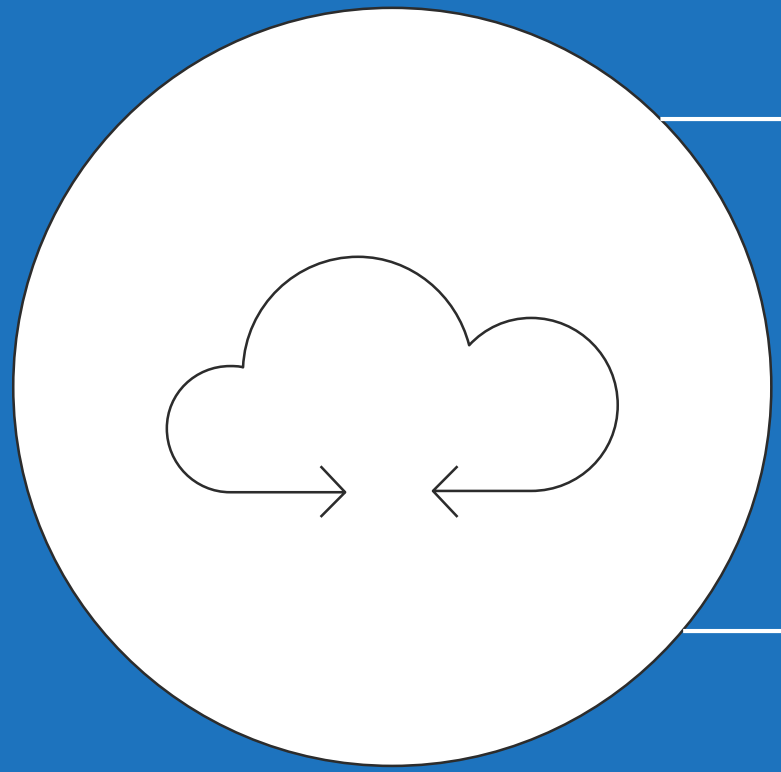
AUTOPILOT



Cloud driven

The golden path

- No need for IT to touch the devices
- Simple process for users
- Integration in the supply chain

Key technologies

- Windows AutoPilot deployment service
- Azure Active Directory
- Microsoft Intune
- Office 365 ProPlus

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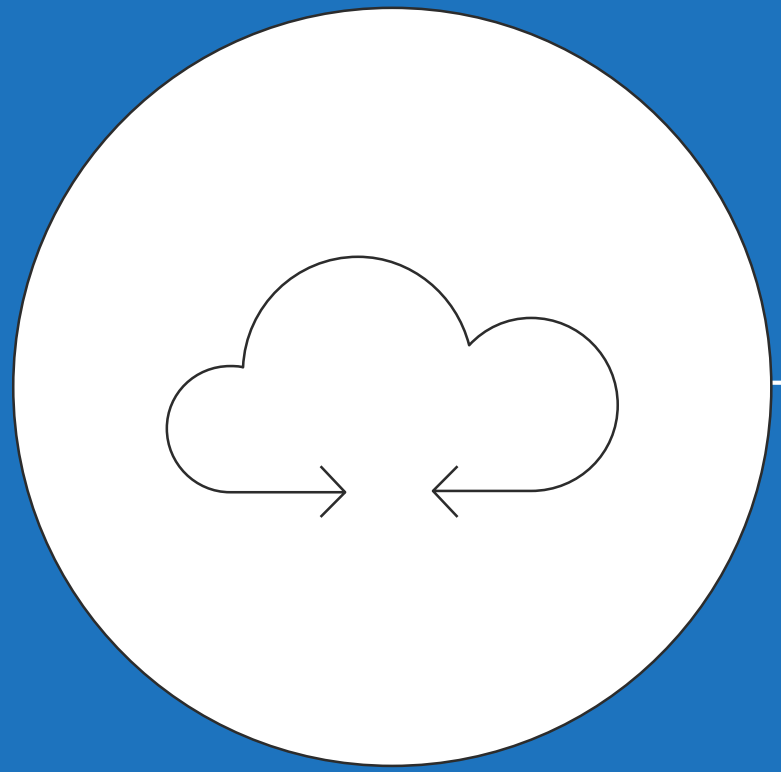
AUTOPILOT



Cloud driven

Three simple steps

- Register devices
- Assign a profile of settings
- Ship the device to the user

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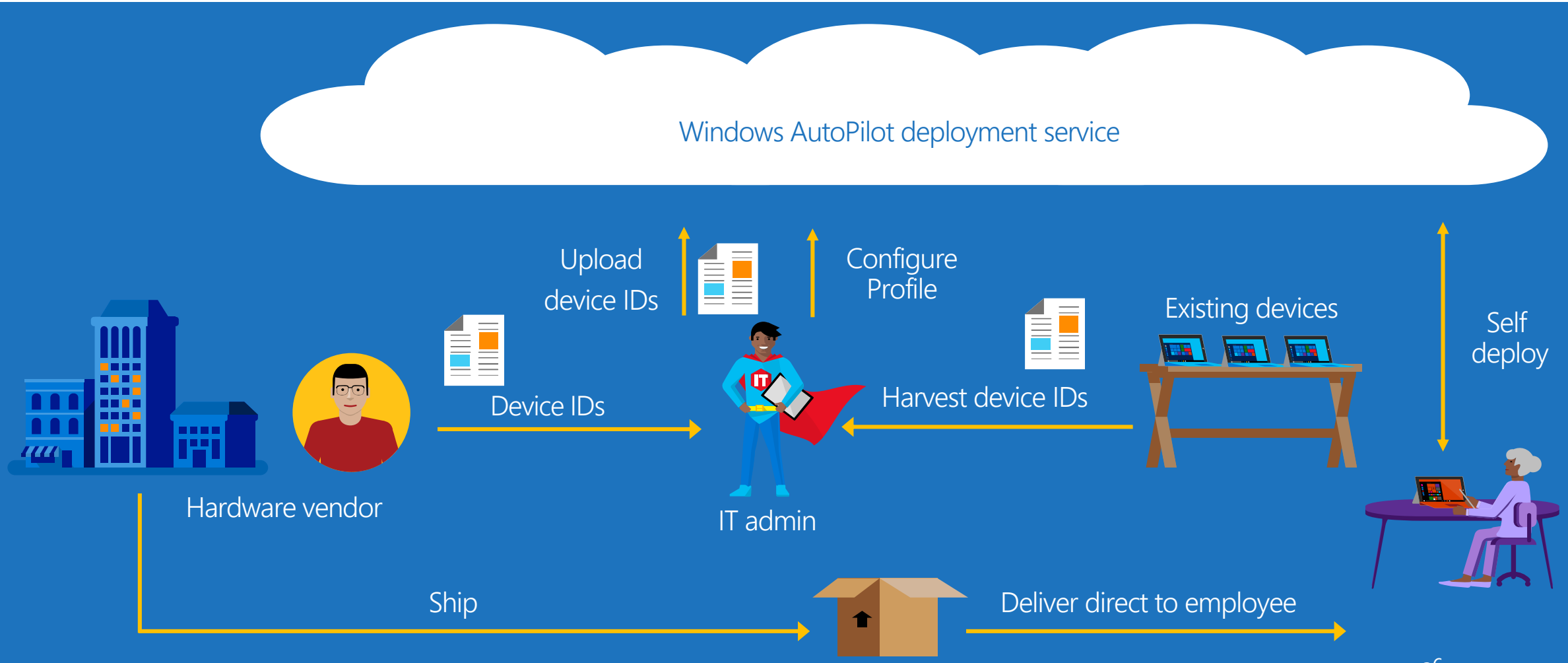
AUTOPILOT



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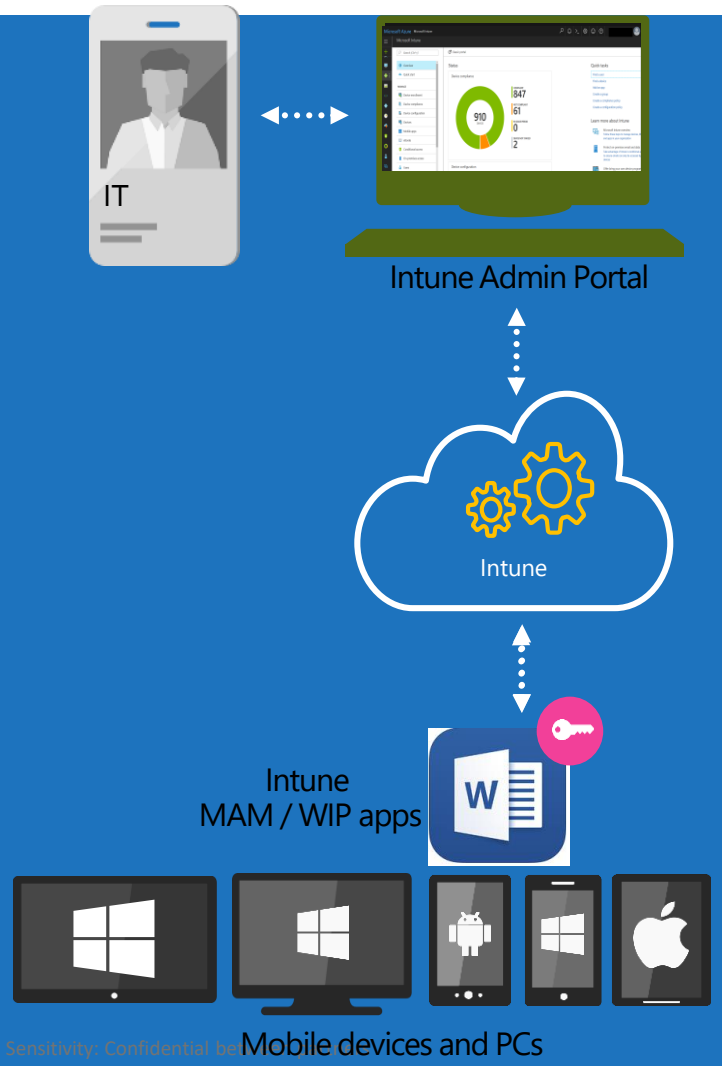
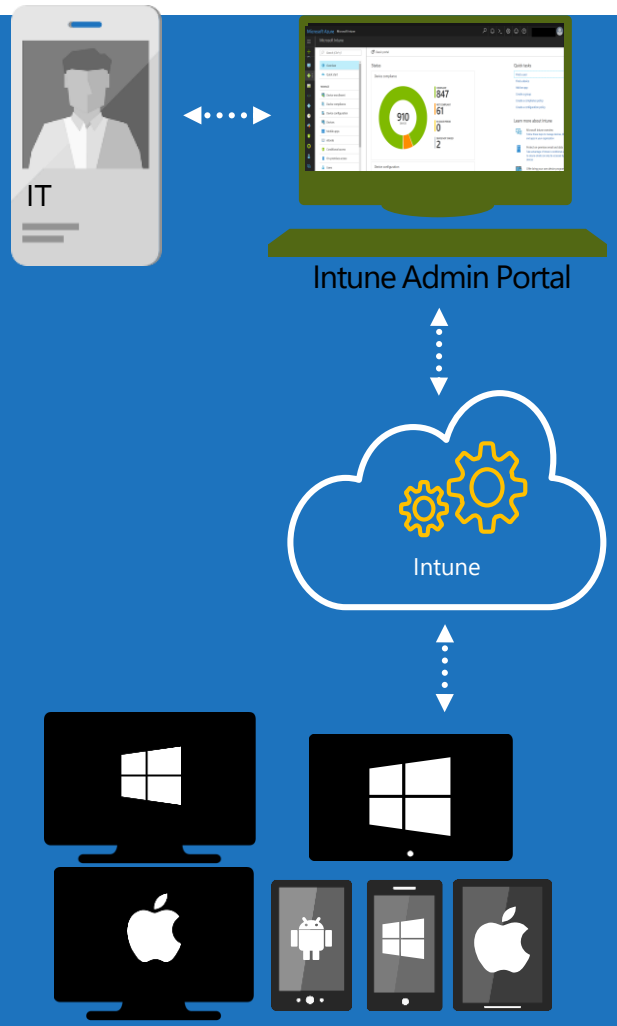
AutoPilot + Azure AD Join
Difference between a computer that is with and without an AutoPilot profile

DIFFERENT SCENARIOS FOR MANAGEMENT

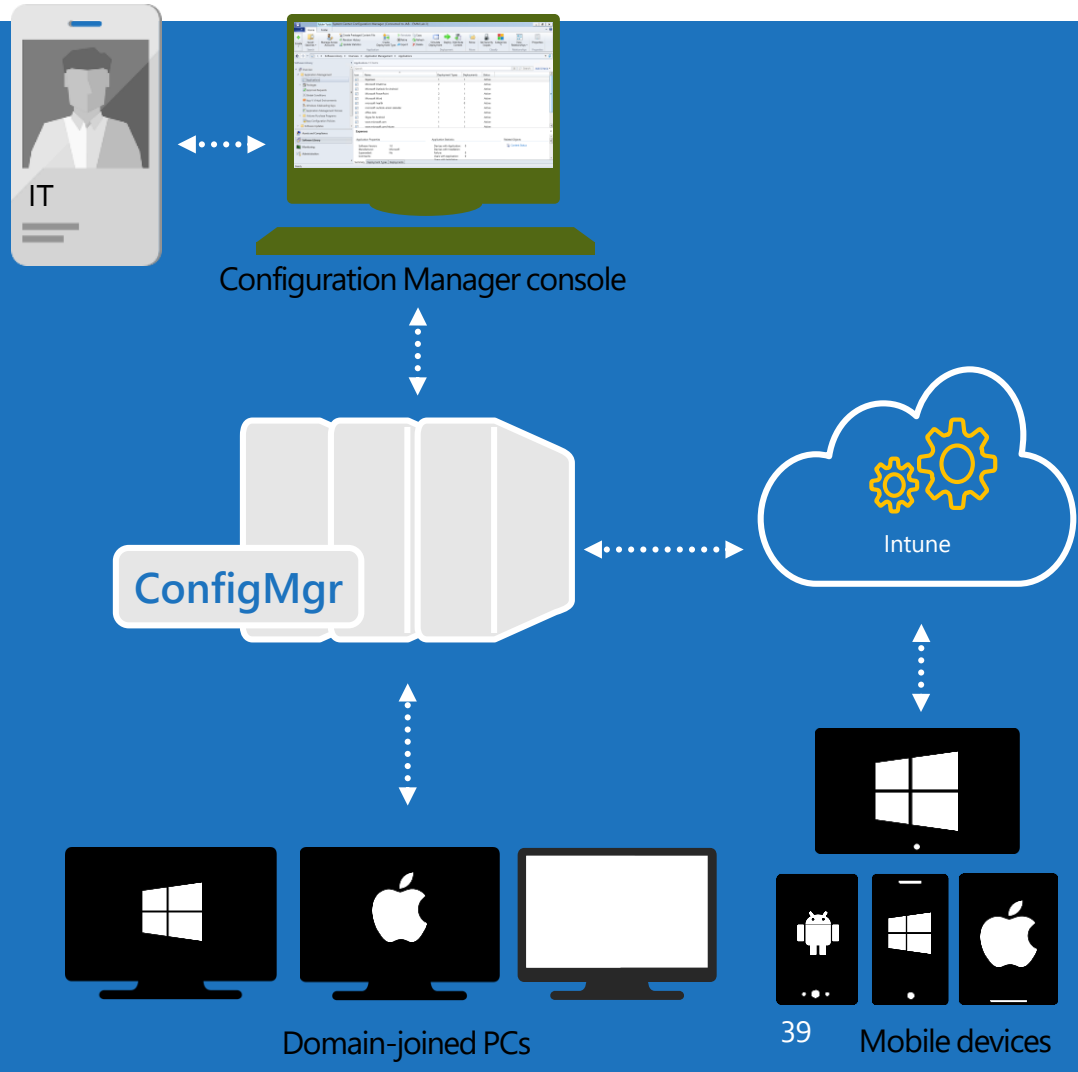
MAM without enrollment



Intune



ConfigMgr / Intune hybrid



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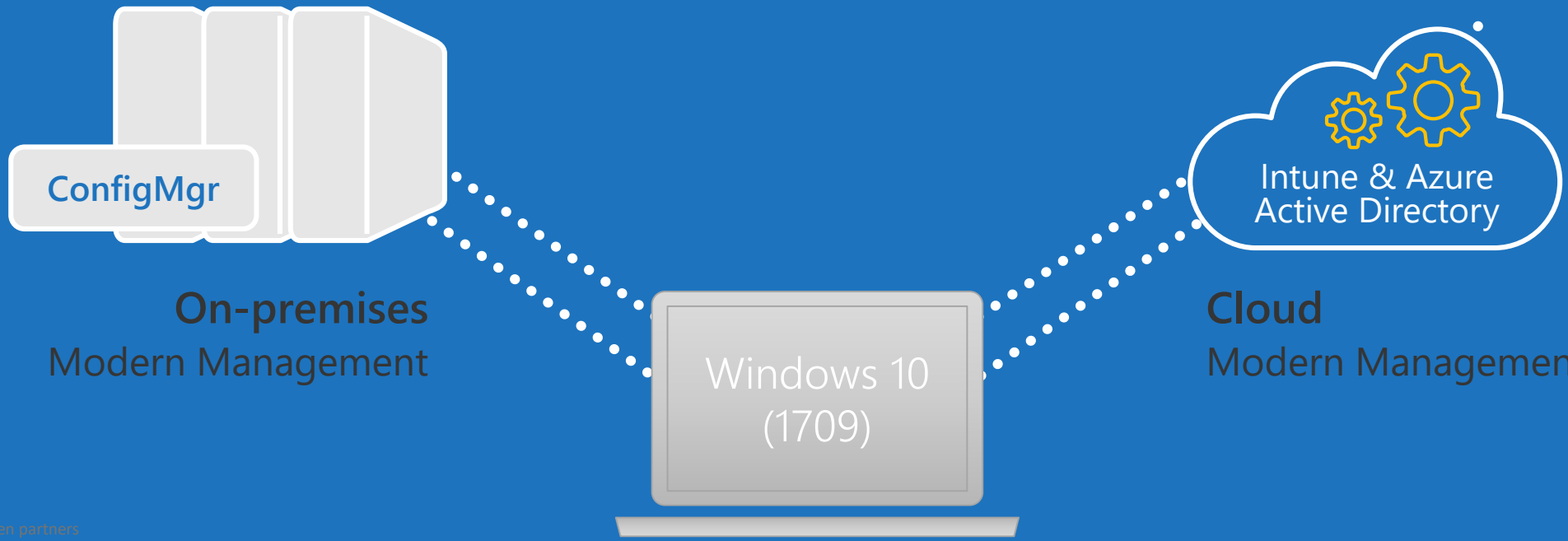
DIFFERENT SCENARIOS FOR MANAGEMENT

Co-management
Configuration Manager and Intune



On-premises
Modern Management

Cloud
Modern Management

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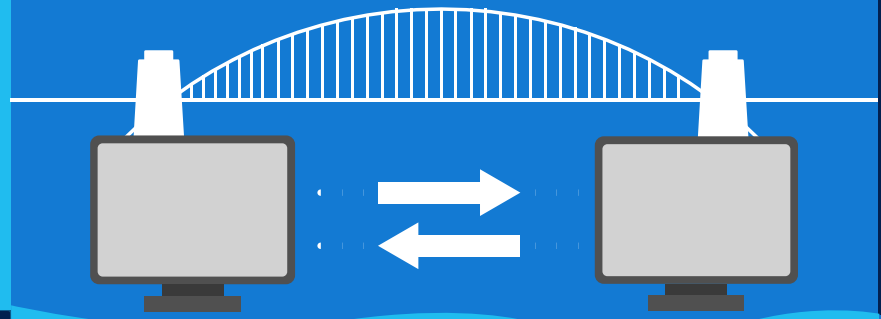
DIFFERENT SCENARIOS FOR MANAGEMENT

Co-management
Configuration Manager and Intune

A practical way to migrate over time



Modern is not “all or nothing”

Minimize risk

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DIFFERENT SCENARIOS FOR MANAGEMENT

WHY CO-Management

- Want to Pilot Intune Management on Window 10 devices without moving all services and resources to the cloud
  - Move Resources and Policies 1 at the time
- Win32 Legacy Applications
- Older versions of Windows (10,8.1,8,7 etc.)
- Need of GPO
- Need of traditinal domain join features
- Internal policies holding you back.

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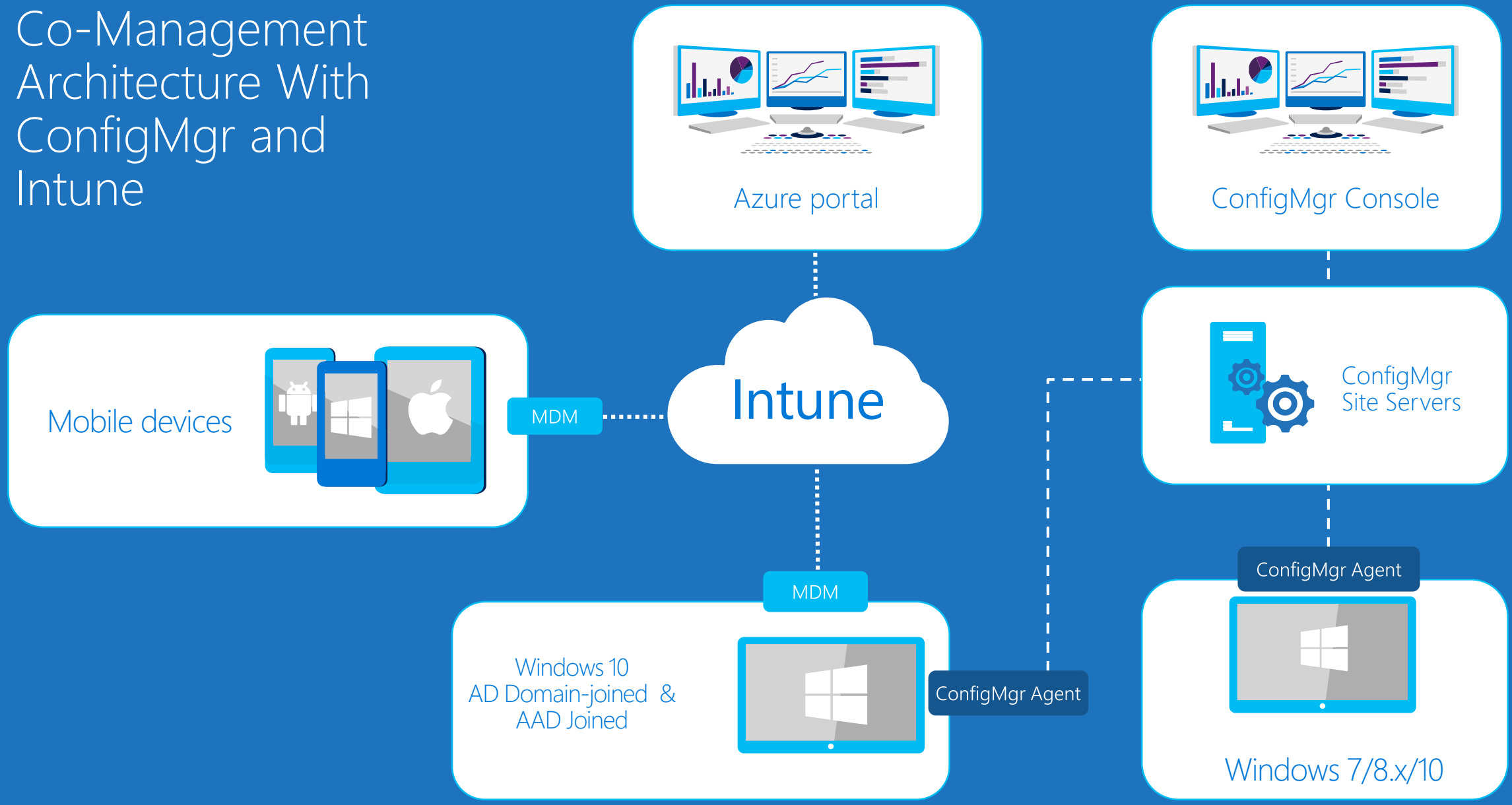
Co-Management Architecture With ConfigMgr and Intune



CO-MANAGEMENT PREREQUISITES

- Co-Management for Azure AD joined machines
  - Cloud Management service (Azure AD user discovery)
  - Cloud Management Gateway
  - Cloud Distribution point
  - HTTPS Enabled Management Point
  - Co-Management feature
- Co-Management for domain joined machines (Hybrid AD Join Scenario)
  - Co-Management feature.
    - Optional
      - Cloud Management Gateway
      - Cloud Distribution point
      - HTTPS Enabled Management Point

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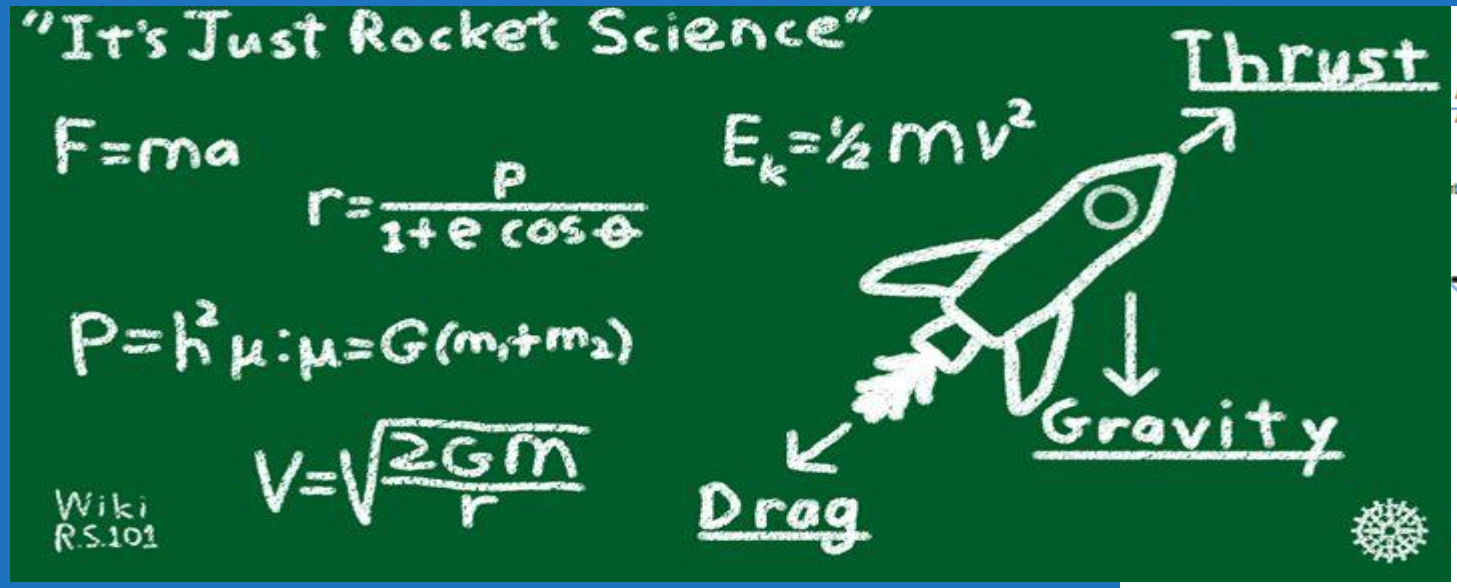
CO-Management

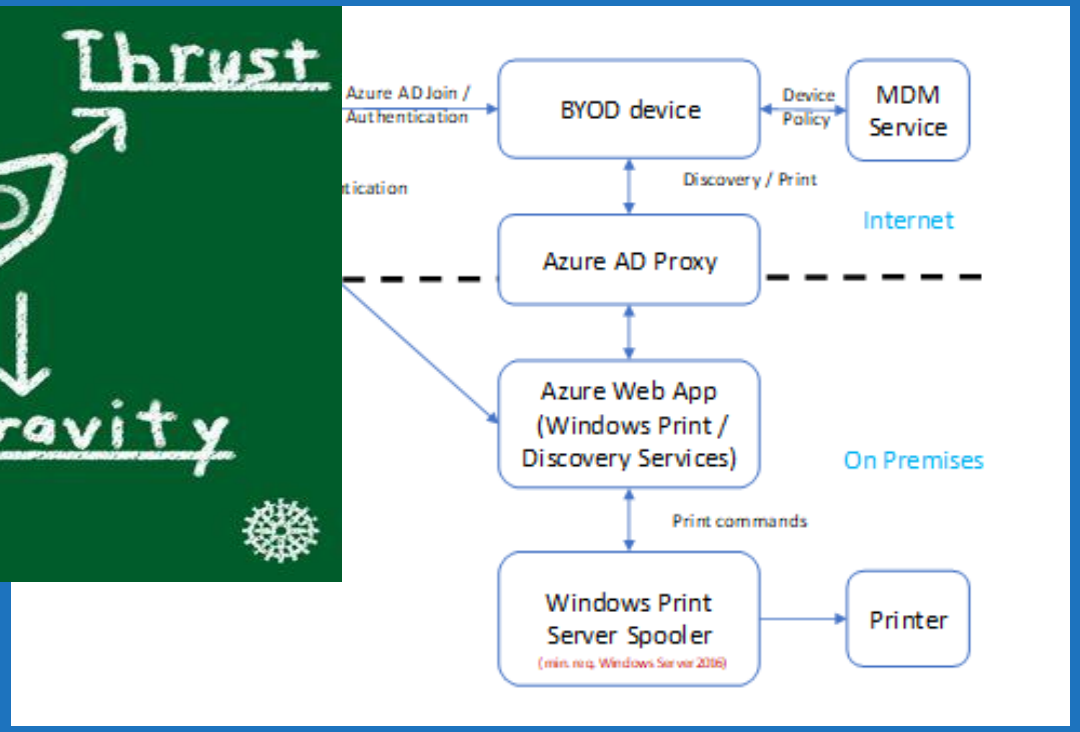
Cloud Management Gateway

Cloud Distribution Point

USER EXPERIENCE

PRINT





Azure Enterprise Client Apps

- Many Good Azure AD integrations out there
  - Easy to setup
  - Easy to deploy
  - Easy to Manage & Maintain

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POLICIES: GPO VS OMA-URI/CSP

- Intune Policies vs. ConfigMgr Policies vs. GPO
- Policy CSP
  - Policy configuration service provider enables the enterprise to configure policies on Windows 10.
  - OMA-URI
  - ADMX Baked Policies
  - https://docs.microsoft.com/en-us/windows/client-management/mdm/policy-configuration-service-provider
  - https://docs.microsoft.com/en-us/windows/client-management/mdm/understanding-admx-backed-policies

Start Clean – Refresh your environement!

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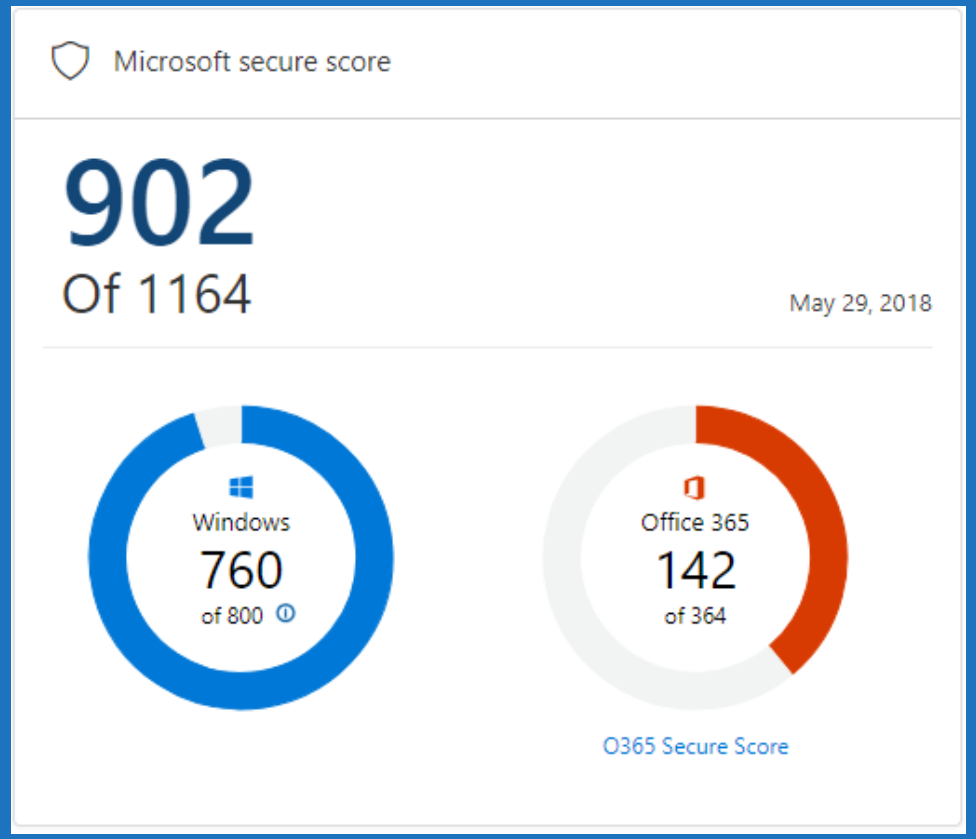
Create a OMA-URI Policy

INSIGHT AND REPORTING

Secure Score – Conditional Access – Windows Analytics

WINDOWS SECURE SCORE



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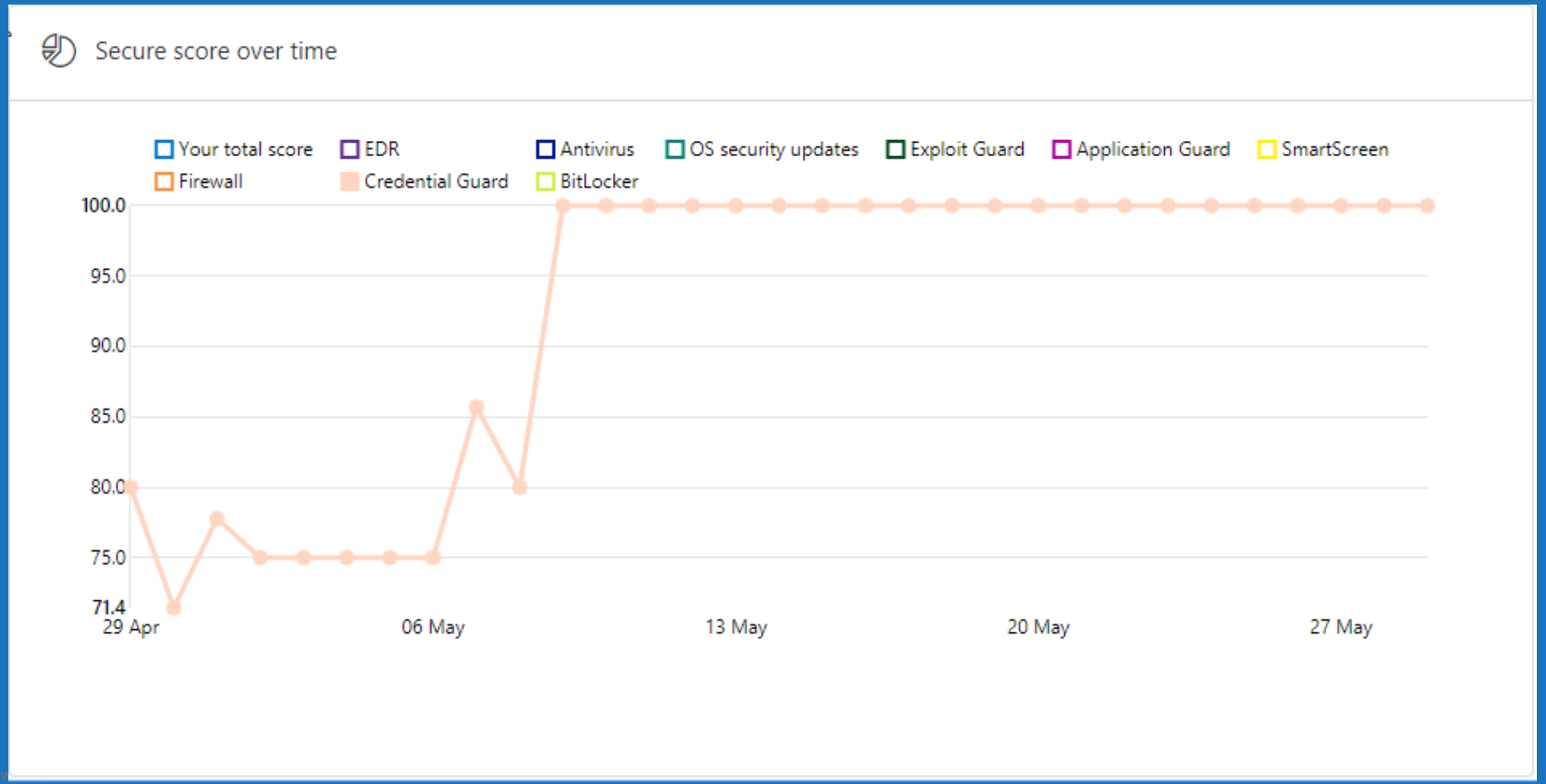
WINDOWS SECURE SCORE



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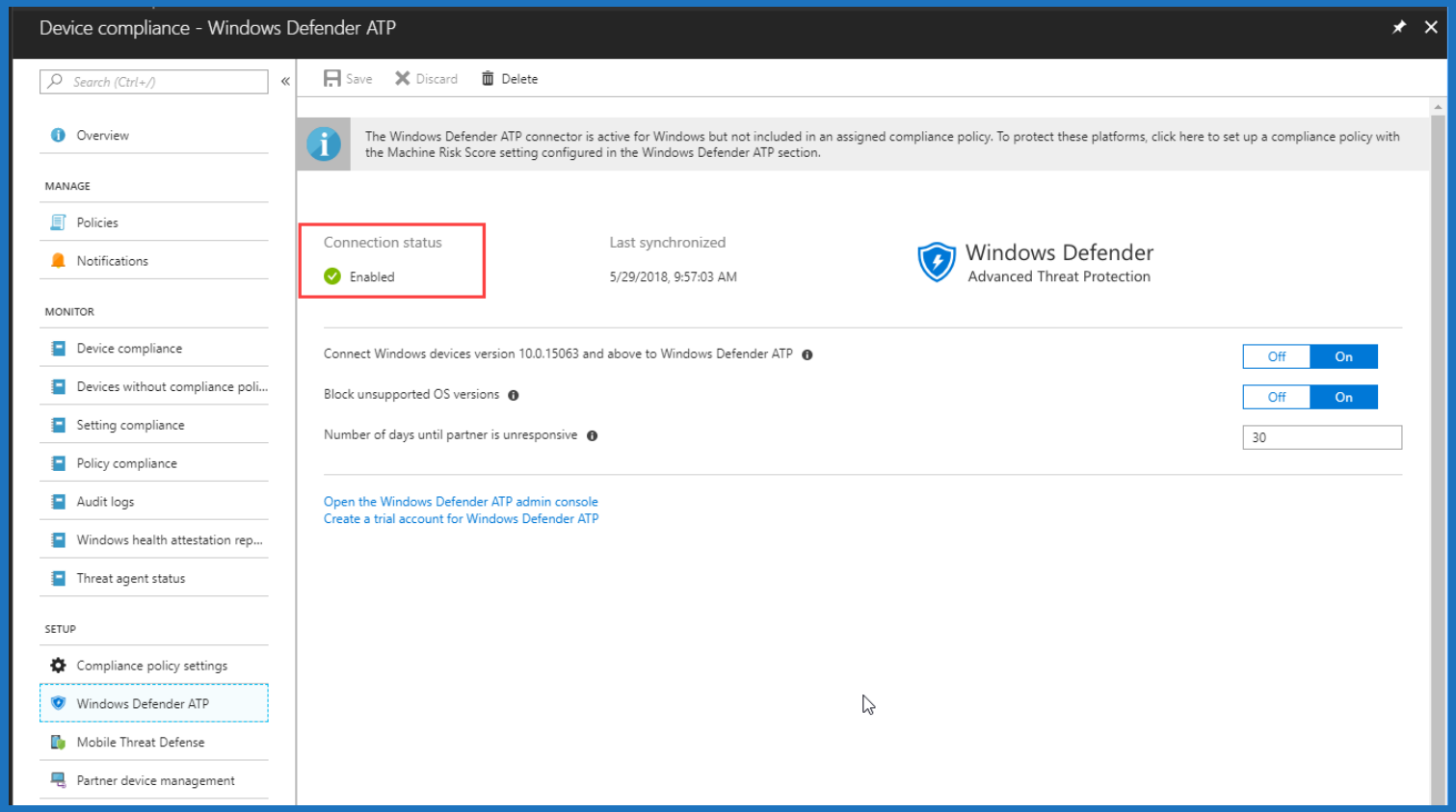
CONDITIONAL ACCESS - DEVICE RISK

- Integrated Intune and Defender ATP for Risk Scoring



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CONDITIONAL ACCESS - DEVICE RISK

- Integrated Intune and Defender ATP for Risk Scoring

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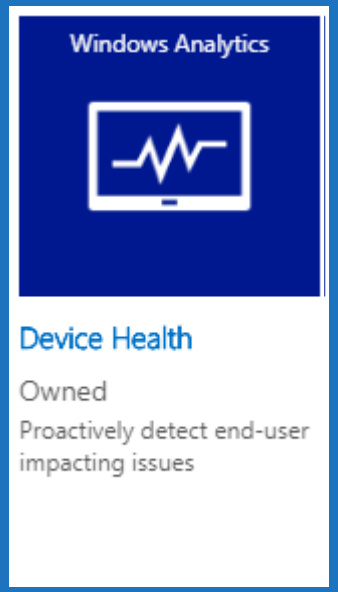
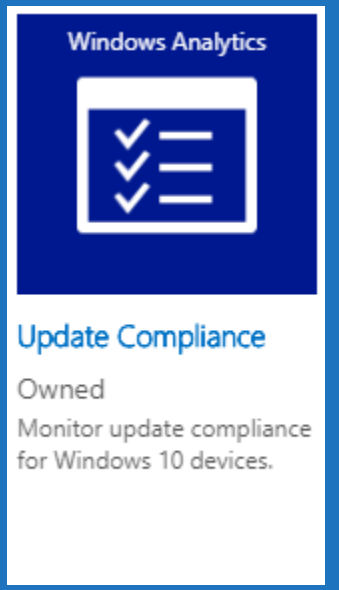
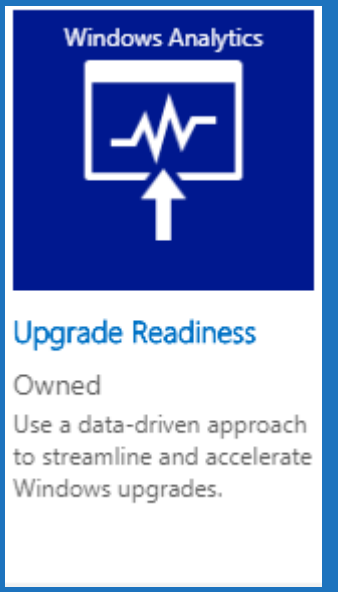
WINDOWS ANALYTICS

- Setup OMS Workspace for Analytics
- Subscribe to Windows Analytics
- Copy Commercial ID
- Turn on Telemetry







- After 1803- DeviceName not reported unless Opt-In
  - GPO or Script

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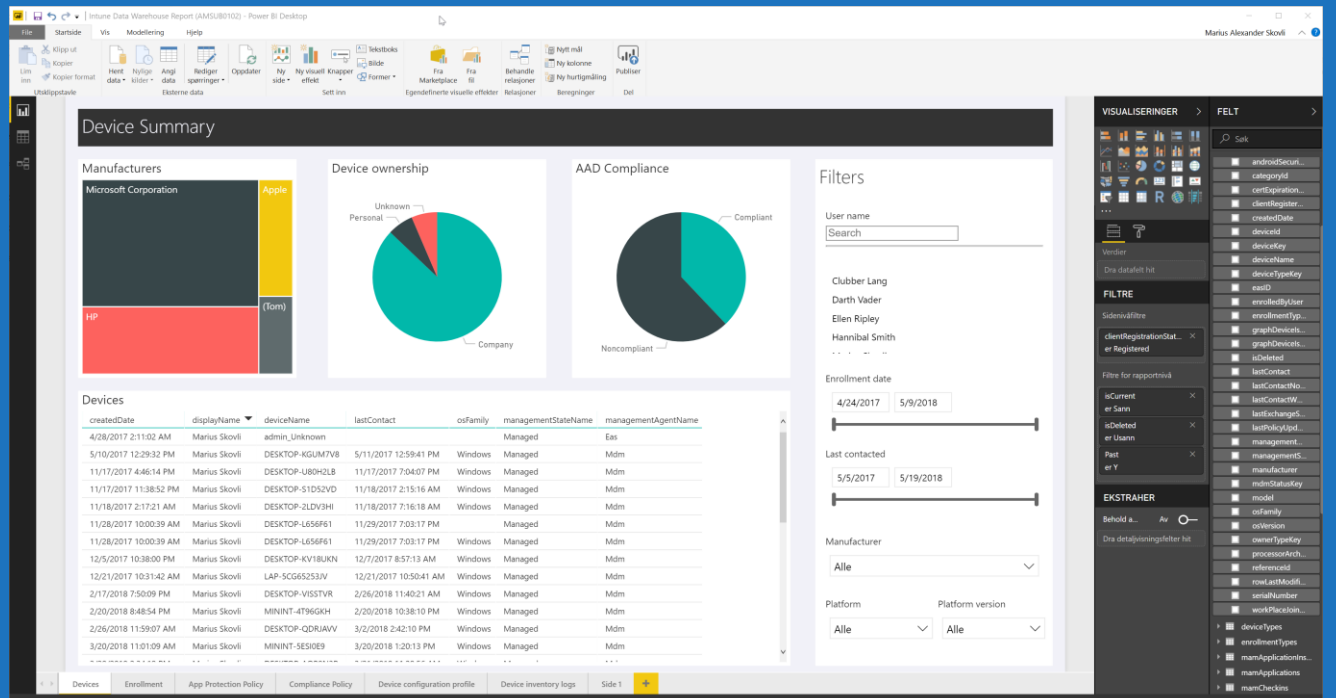
INTUNE DATAWAREHOUSE - POWERBI

- Basic Reporting
- Advanced Reporting: Intune Datawarehouse + PowerBi
  1. Install Power BI Desktop (Modern App)
  2. Download Intune DWH-file
  3. Execute
  4. Login
  5. Get Coffee
  6. Enjoy existing and create new reports with ease
  7. Publish
- ConfigMgr and/or SQL for long term data housing



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Intune Datawarehouse

SIMPLIFY WINDOWS 10 MANAGEMENT AND LOWER TCO WITH EMS

Simplified management & security

Embrace cloud-based management and transition at your pace while staying in control.

Agentless

Unified identity, device and O365 ProPlus mgmt.

Office 365 ProPlus MGMT

Integrated data protection

Microsoft Cloud

EMS

Always up to date

Deliver the latest features and security.

Cloud updates mean you don't need to have on-premise update servers.

Control what updates are deployed, to whom and when.

Self-service deployment

Make any new PC enterprise-ready via a simple self-service experience.

Automatically configure devices when your users login with their company credentials.

Use cloud intelligence to upgrade Windows 10 and Office 365 ProPlus with confidence.

Proactive insights

Get ongoing proactive insights to diagnose and fix issues before they happen.

MVP Dagen 2018

Norske MVPer på farten igjen

Tusen Takk for oss!

#MVPdagen

Microsoft

http://mvpdagen.no