

NIC

2019

Artificial Edition

6-8 February



Extend ConfigMgr to the Cloud

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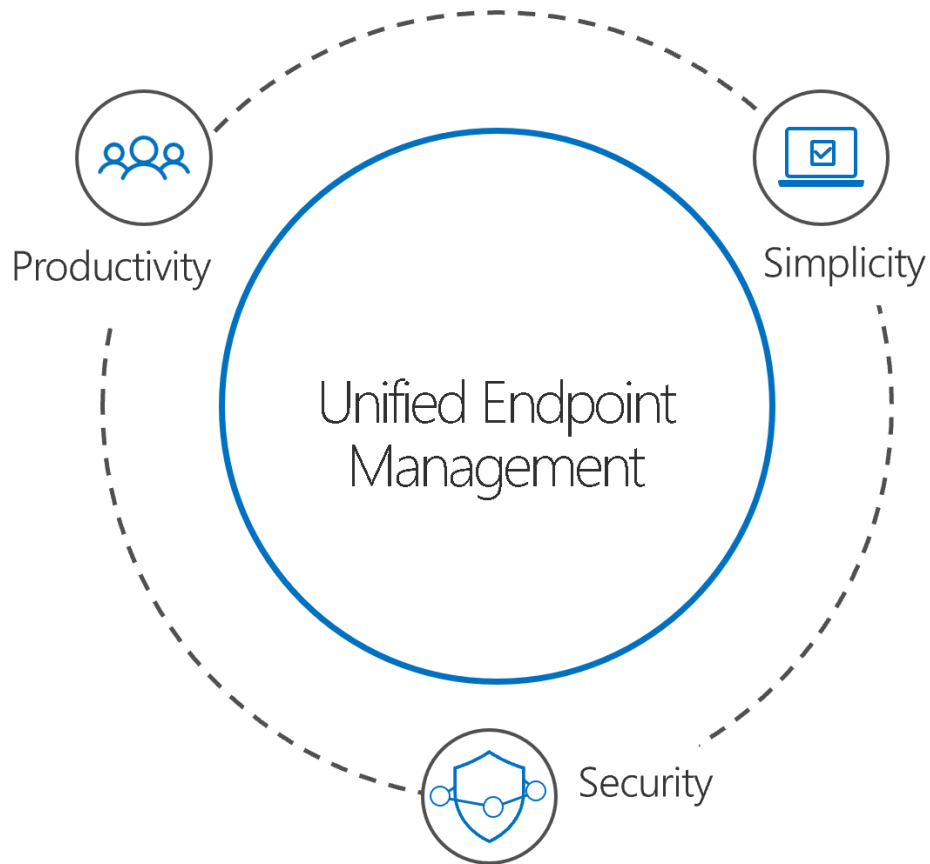
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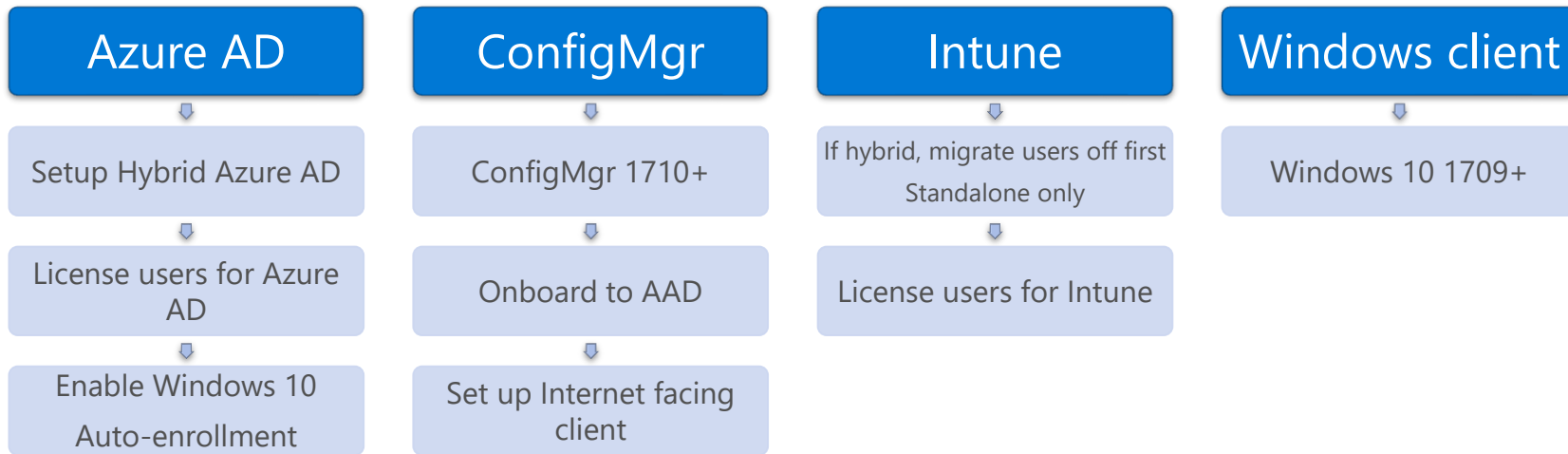
Agenda

- Why cloud attach your environment?
- Co-Management (ConfigMgr + Intune / Hybrid AAD join)
- Cloud Management Gateway (CMG) and Cloud Distribution Point (CDP)
 - (OMS Connector)
 - (Upgrade Readiness)
 - (Microsoft Store for Business)

Why cloud-attach?



Getting Ready for Cloud Attach



The message from Microsoft

On-premises



Modern Workplace

Legacy devices



Modern devices

Windows 7



Windows 10

Office



Office 365

Active Directory



Azure Active Directory

ConfigMgr



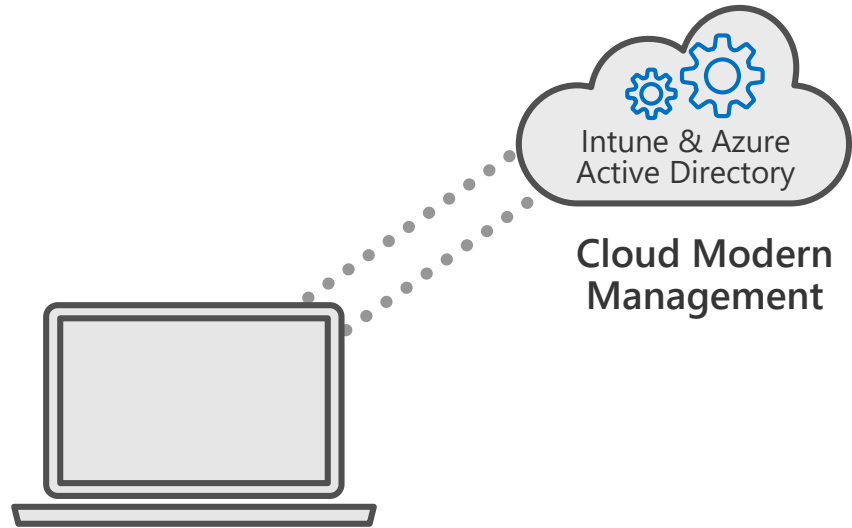
Microsoft Intune

Windows Defender

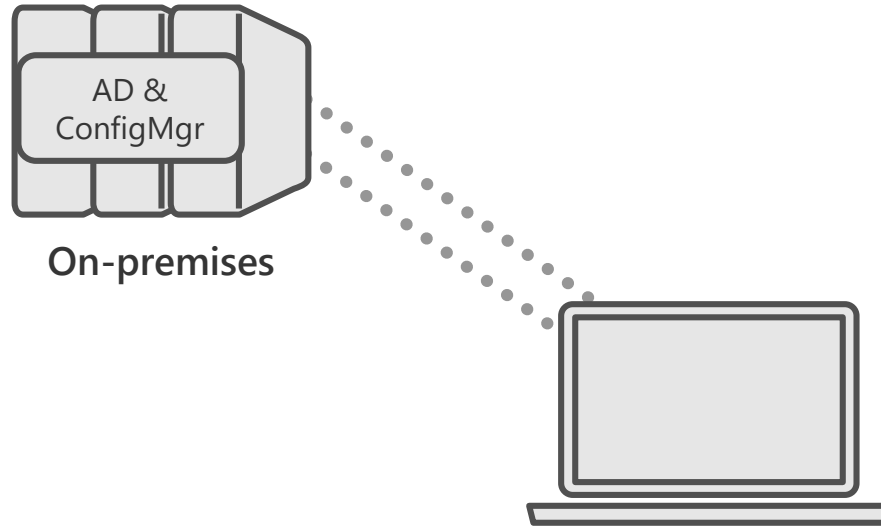


Microsoft Threat Protection

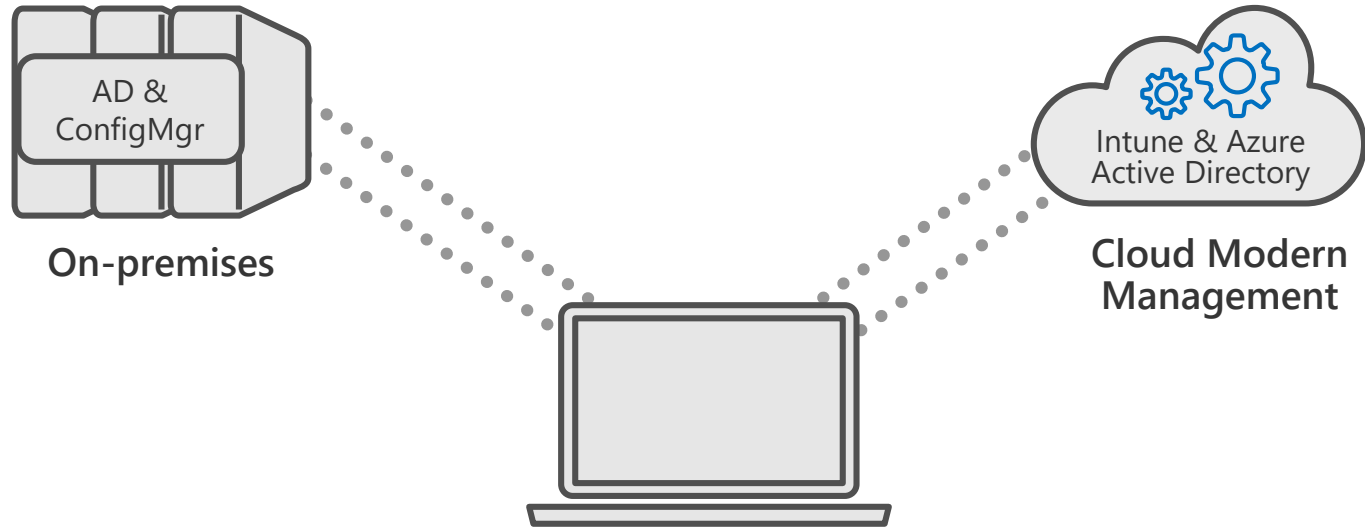
Management architectures: Cloud only



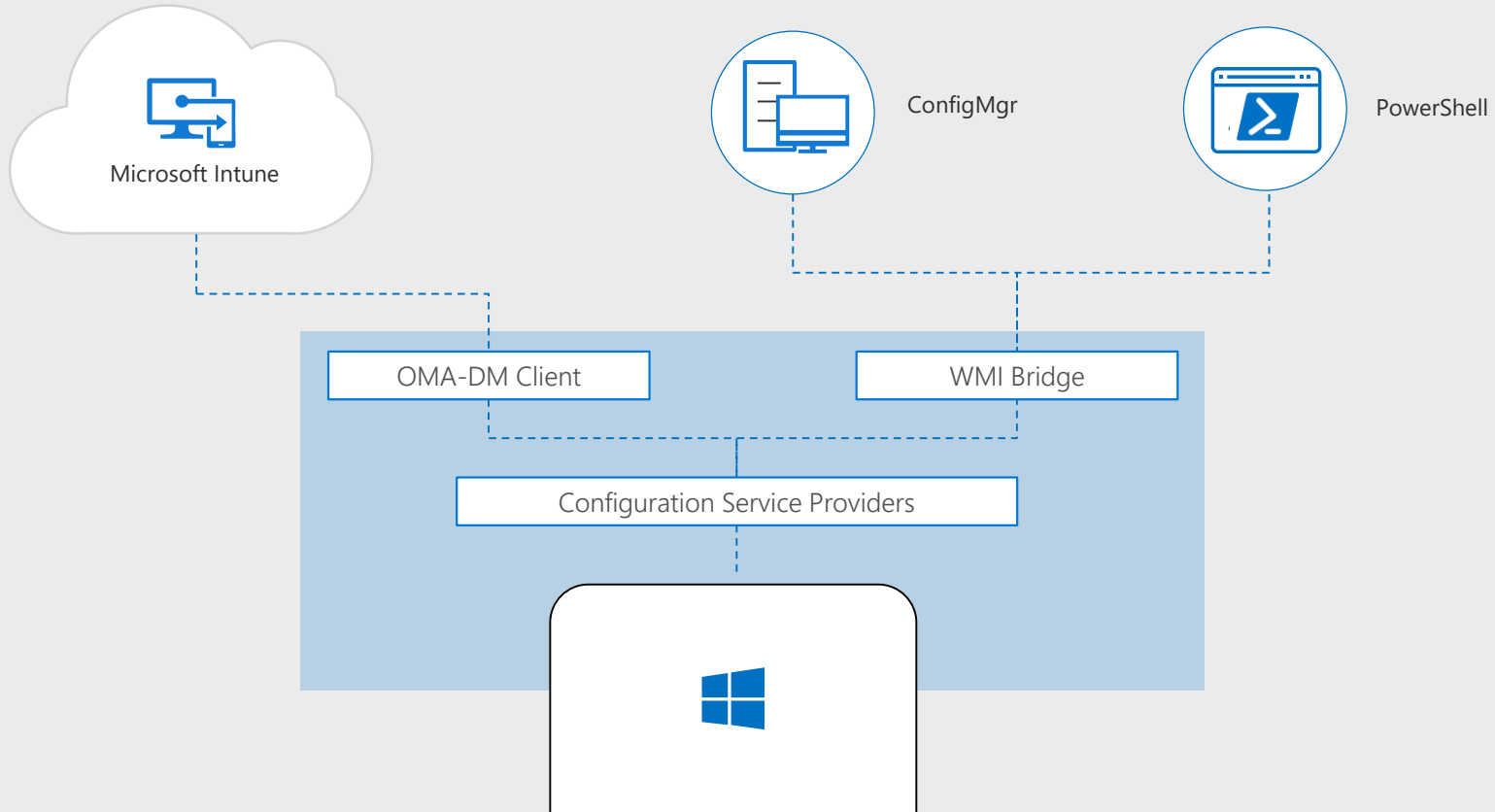
Management architectures: On-prem only



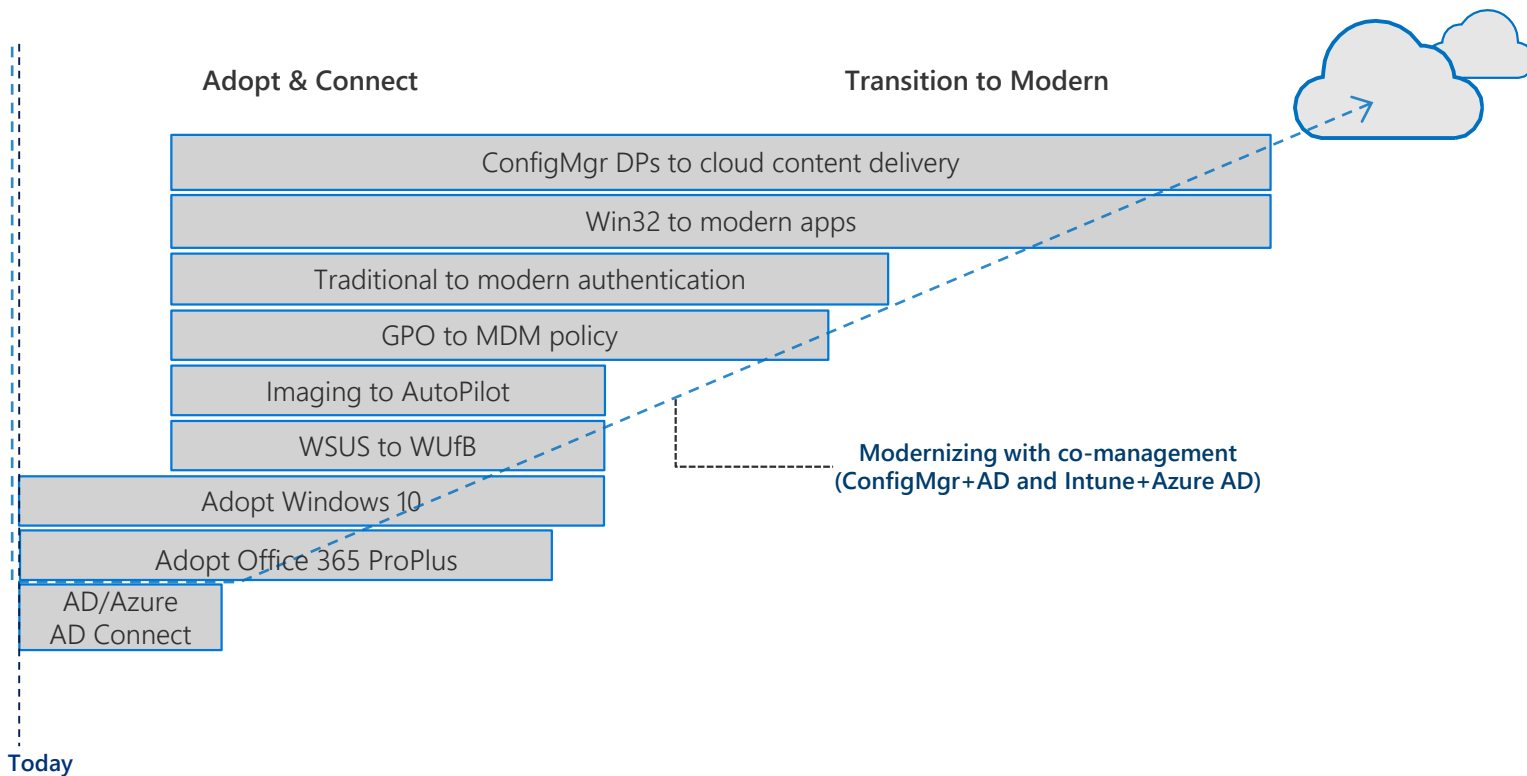
Management architectures: Co-managed



Windows 10 Modern Management Architecture

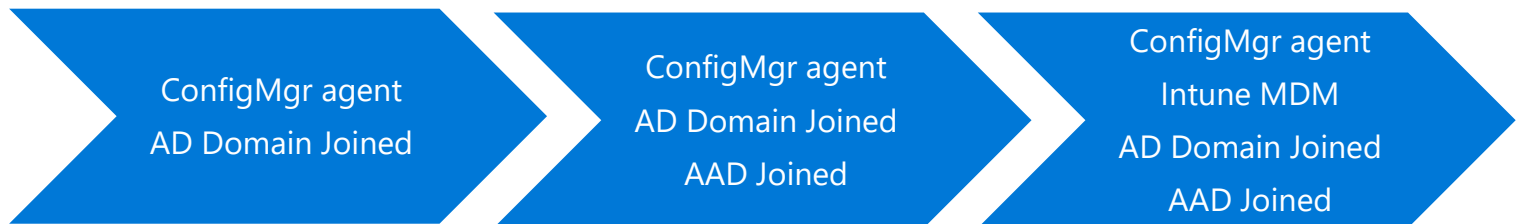


Transitioning to modern management

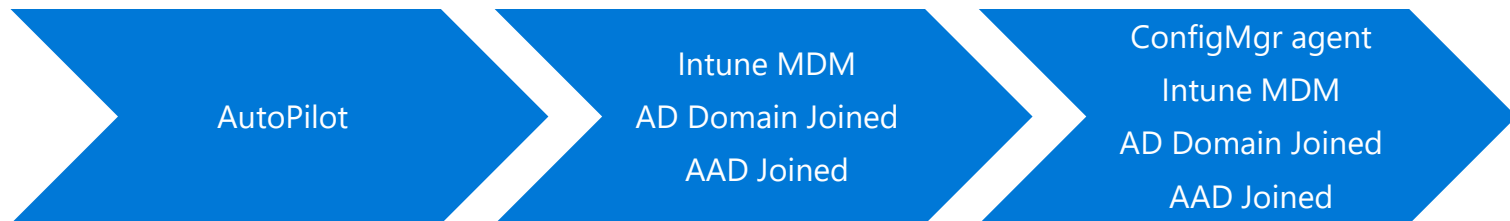


How to get to co-management

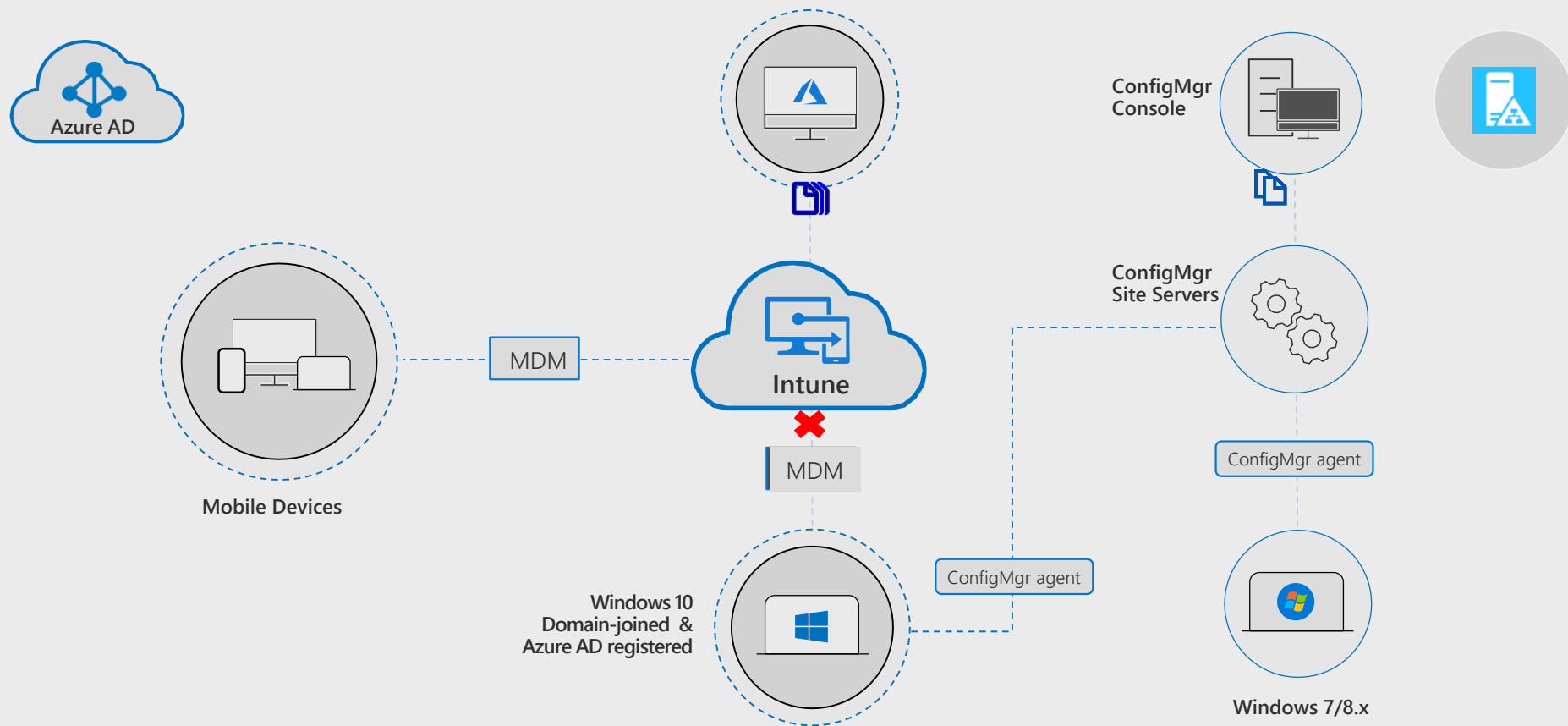
Existing ConfigMgr managed devices



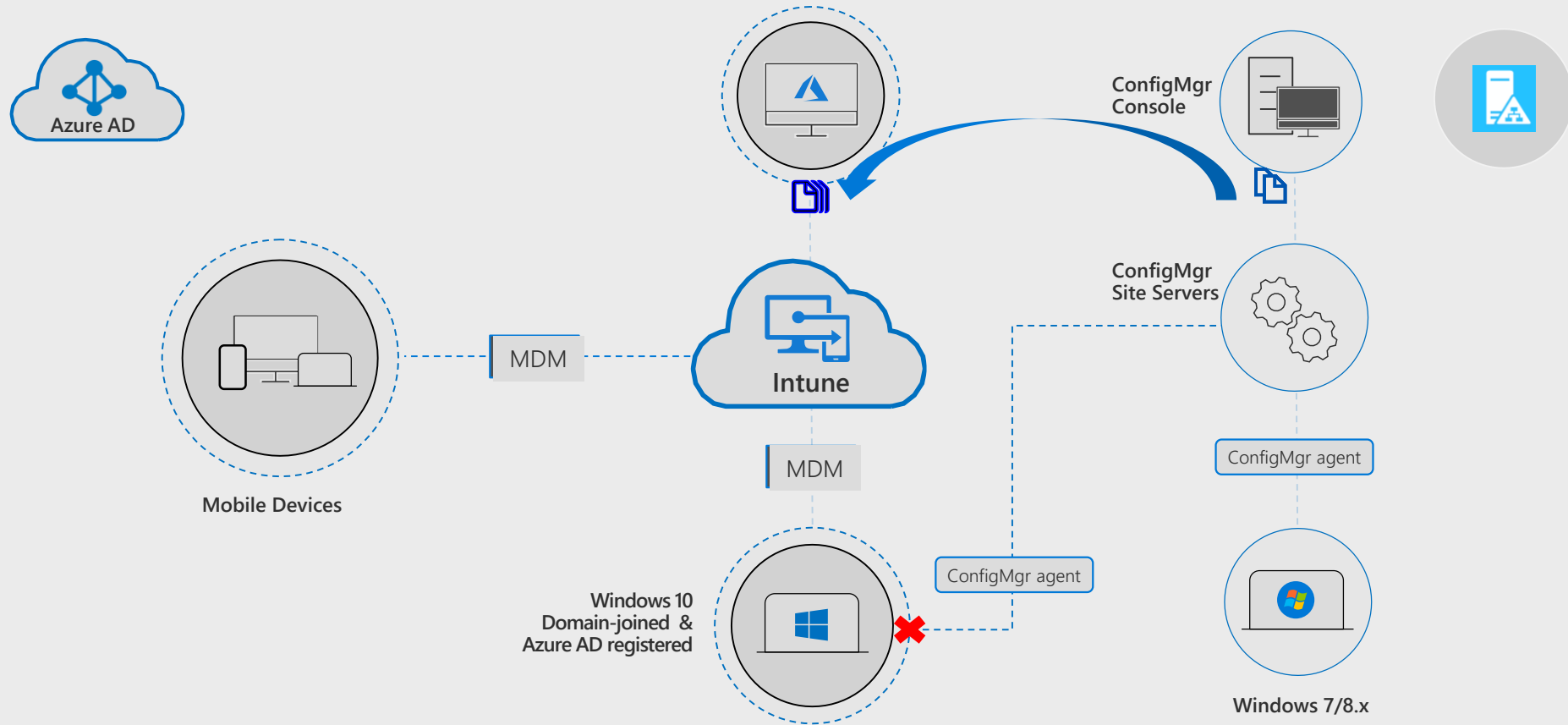
Modern Provisioning



Co-management before a workload transition

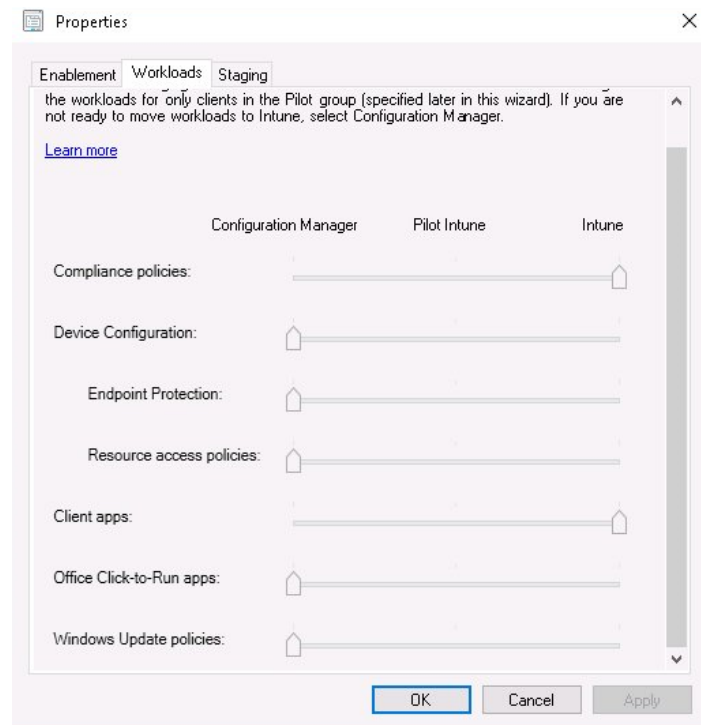


Co-management after a workload transition



Workloads

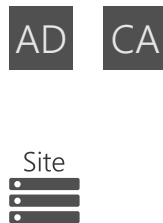
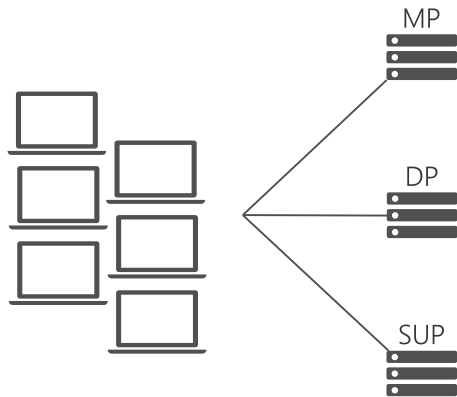
- Compliance policies
 - Conditional Access
- Windows Update policies
 - WUfB
- Device configuration
 - Configuration Baseline?
 - Endpoint Protection
 - *.Windows Defender
 - Resource access policies
 - VPN, WiFi, Email and certificates
- Office Click-to-Run apps
 - Global Condition
- Client apps
- Software Center vs. Company Portal



Demo Co-Management

Extending the perimeter of ConfigMgr

Corporate Network



DMZ

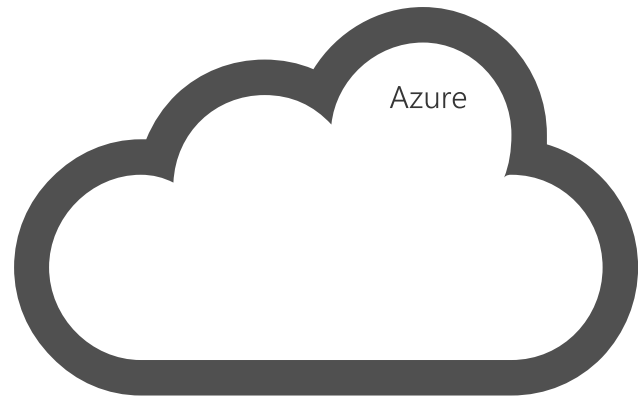


Firewall



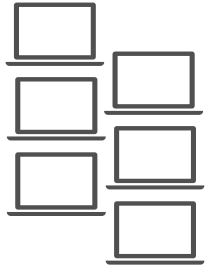
Firewall

Internet



Internet-based Client Management

Corporate Network



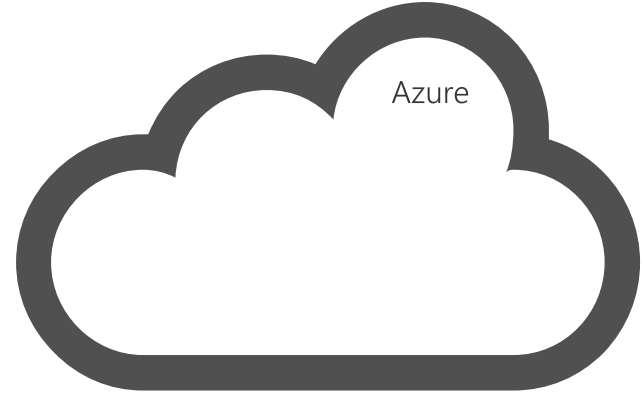
DMZ



Firewall

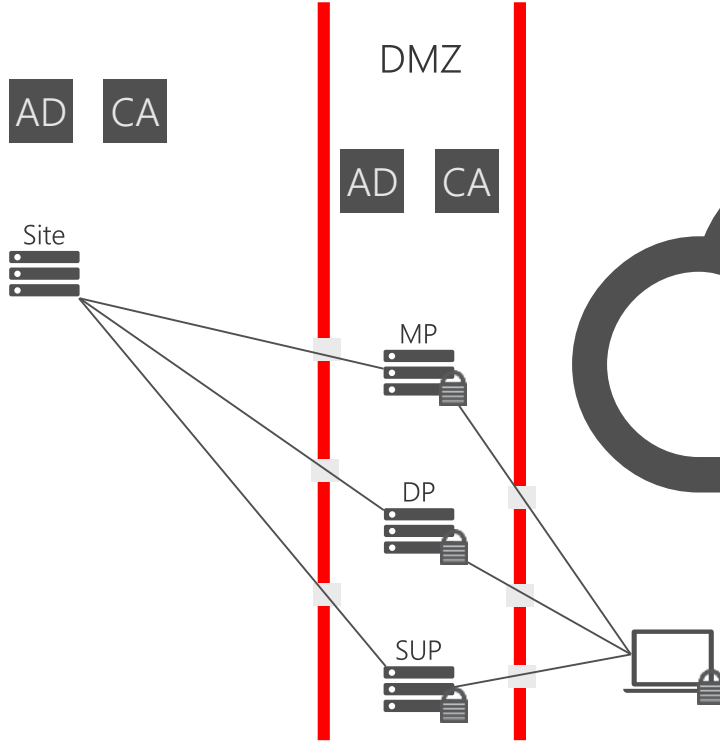
Firewall

Internet



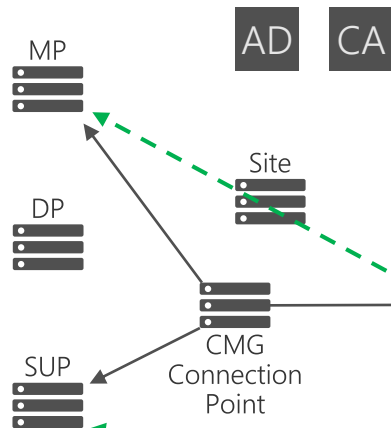
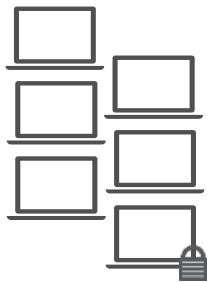
Azure

Windows Update



Cloud Management Gateway

Corporate Network



DMZ

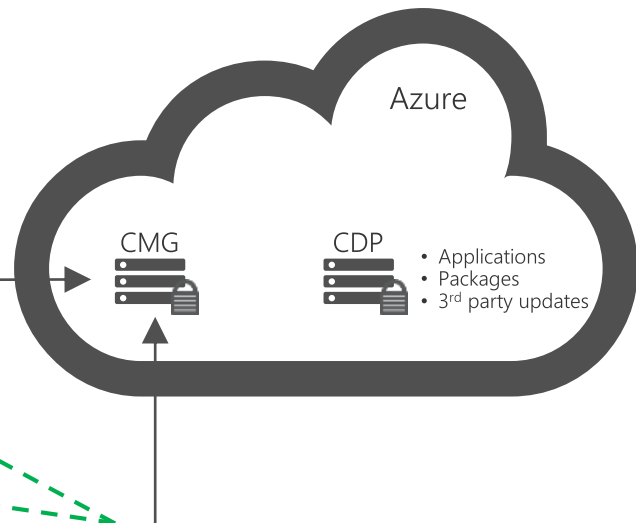
Internet

Firewall

Firewall

Outbound port 443

Logical data flow



Windows Update

Azure

CDP

- Applications
- Packages
- 3rd party updates

CMG

Prerequisites

- An Azure subscription to host the CMG.
- At least one on-premises Windows server to host the CMG connection point.
- The service connection point must be in online mode.
- A server authentication certificate for the CMG.
- (If using the Azure classic deployment method, you must use an Azure management certificate.)
- Other certificates may be required, depending upon your client OS version and authentication model.
- Integration with Azure AD may be required for Windows 10 clients.
- Clients must use IPv4.

Prerequisites

- You can manage with one (1) certificate and that can be wildcard from vendor
 - PKI can be avoided

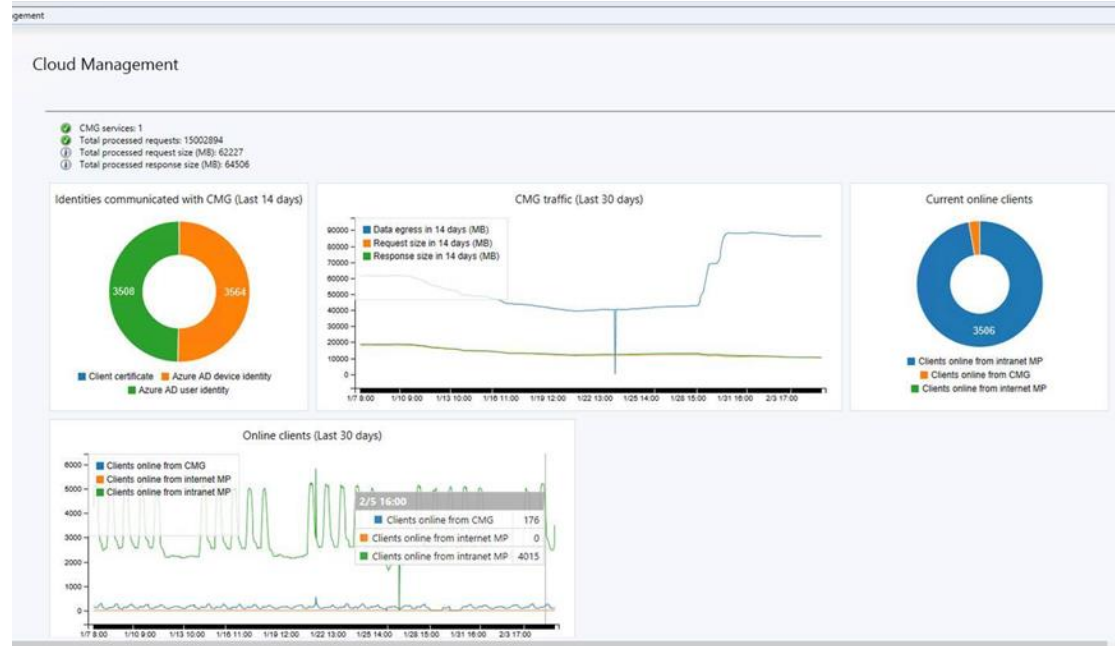
Demo Cloud Management Gateway

Windows 10 device AAD Joined and Hybrid AAD Joined



Cost

- <https://azure.microsoft.com/en-us/pricing/calculator/>
 - Virtual Machines (A2 V2 VM)
 - Network (Bandwidth)



Slides and demos from the conference will be available at

<https://github.com/nordicinfrastructureconference/2019>

