



TO GET THERE,
TOGETHER!



MODERN WORKPLACE FOR MODERN PEOPLE

Deployment

Gent – December 2018

1. Traditional Deployment
2. Modern Deployment - Autopilot
3. Demo
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5. Realdolmen Case



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TRADITIONAL DEPLOYMENT



Traditional Deployment

- Tools on-prem :
 - Active Directory Domain + Provisioning Tool (WDS/MDT/SCCM/
 - Corp. image
 - Windows 7/8.1/10 ...+ drivers + App
 - Software updates
 - GPOs & settings
- Great effort
 - Standardizing & compliancy devices
 - Mgmt outside LAN/WAN
 - Costs of shipping



Traditional Deployment Struggles

- Wipe & load device for each user
- Provisioning and mgmt
- Cloud based environment
- Branch offices
 - Shipment cost
 - On/off AD domain?
- Howto remote reset/wipe
 - in case of stolen/lost devices

MODERN DEPLOYMENT



Modern Deployment - Windows Autopilot

- Goal
 - ▶ New experience for end users on new devices
 - ▶ Zero touch deployment
 - ▶ Eliminate cost of re-imaging
 - ▶ No more maintenance of images and drivers
 - ▶ Remote wipe/reset
- Deploy new devices
 - ▶ From OEM pre-install
 - ▶ Integration in the device supply chain
- Reset
 - ▶ No need to re-image
 - ▶ without physical touch device
 - ▶ Re-enrollment in "business ready state"



Windows Autopilot

- 3 main entities
 - ▶ Hardware vendor
 - ▶ IT admin
 - ▶ End user

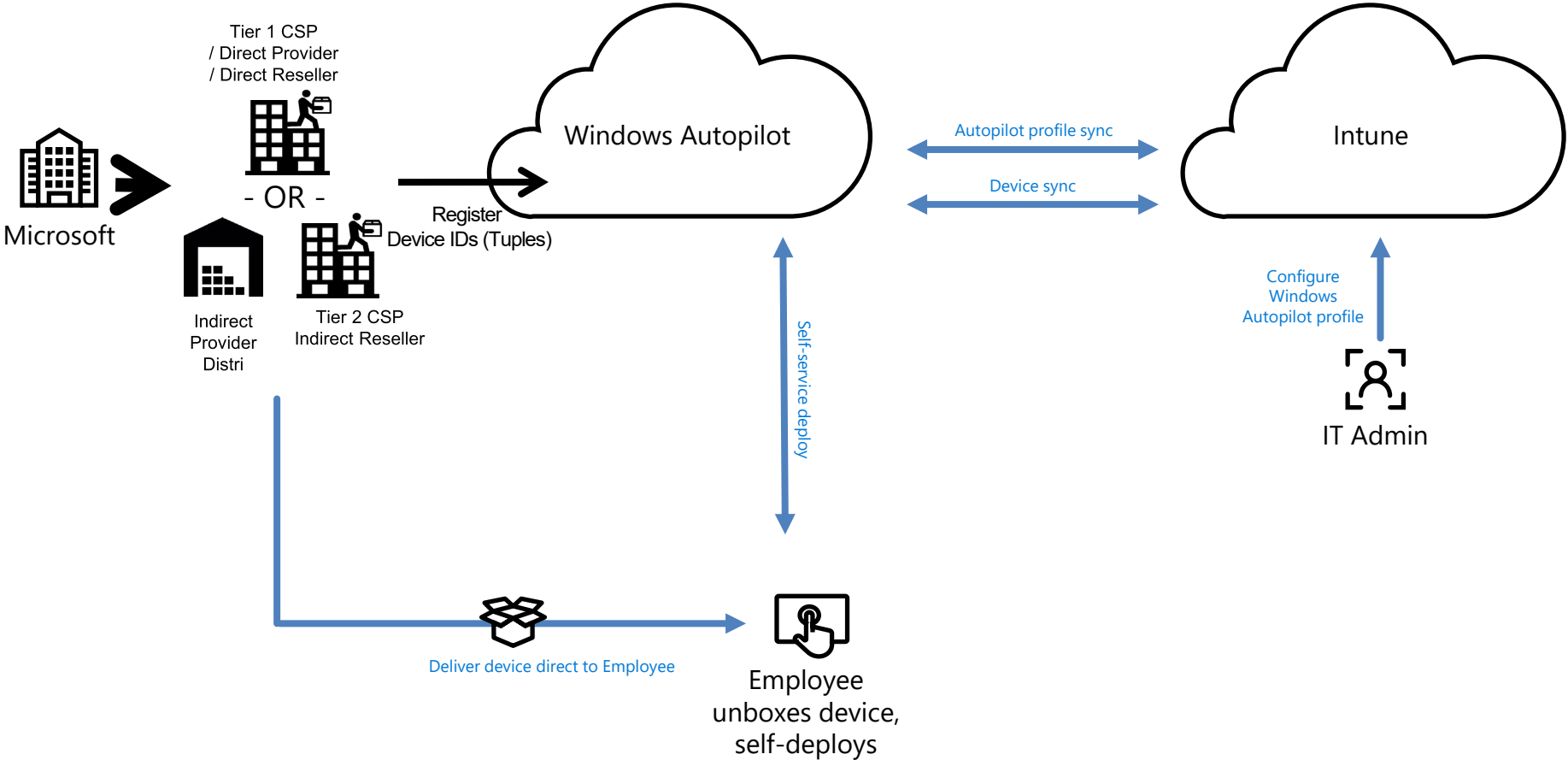


Windows Autopilot

- 3 (simple) steps
 - ▶ 1 - Device registration (by HW vendor)
 - Automatically register devices in autopilot services in Azure AD tenant
 - ▶ 2 - Profile creation & assignment (by IT admin)
 - Profile + assign
 - Create custom settings
 - Assign lic to user
 - ▶ 3 - Shipping (to end user)
 - Unbox + power-on + **Network**
 - ▶ Home/office/ ...
 - Azure AD credentials + MFA



Windows Autopilot overview



Windows Autopilot - Pre-requisites

- Windows 10 version 1703 or higher
 - Specific capabilities require higher versions
- One of the following, to provide needed Azure AD (automatic MDM enrollment and company branding features) and MDM functionality:
 - Microsoft 365 Business subscriptions
 - Microsoft 365 F1 subscriptions
 - Microsoft 365 Enterprise E3 or E5 subscriptions, which include all Windows 10, Office 365, and EM+S features (Azure AD and Intune)
 - Enterprise EM+S E3 or E5 subscriptions, which include all needed Azure AD and Intune features
 - Azure AD P1 or P2 and Intune subscriptions (or an alternative MDM service)
- Minimum : Azure AD P1 + Intune



DEMO



Windows Autopilot today

- Today:
 - ▶ HW vendors
 - provide Hash
 - not all ready (only MS Surface is)
 - ▶ Wait a minute !!!
 - Consumer devices ??? (FNAC, Van De Borre, Mediamarkt, ...)
- Coming:
 - ▶ Hybrid : both Azure AD & Domain AD
 - ▶ Co-management : Intune & SCCM
 - ▶ HW vendors joining
 - MS Surface
 - Lenovo, Dell, HP, ...
 - ▶ Pre-defined name
 - ▶ "Plug & forget" (kiosk)



Windows Autopilot Scenarios

AVAILABLE	AVAILABLE	PUBLIC PREVIEW	PUBLIC PREVIEW	PREVIEW	PREVIEW
User-driven mode	Windows Autopilot reset - local	Windows Autopilot reset - remote	Self-deploying mode	Hybrid Azure AD join	Windows Autopilot for existing devices
Windows 10 1703 and above	Windows 10 1709 and above	Windows 10 1809 and above	Windows 10 1809 and above	Windows 10 1809 and above	Windows 10 1809 and above
Join device to Azure AD, enroll in Intune/MDM	On the device execute local keystroke to maintaining Azure AD join and MDM enrollment	Execute a device reset via Intune and maintain Azure AD join and MDM enrollment	No need to provide credentials, automatically joins Azure AD	Join device to AD, enroll in Intune/MDM	Windows 7 to Windows 10 ConfigMgr task sequence, followed by Windows Autopilot user-driven mode



”What’s in it for me ?”

- IT admin:
 - One-time effort
 - Desining & configuration
 - Groups
 - Settings
 - Policies
 - Shipping costs ↓
 - less follow up in supply chain process
 - Mgmt possibilities outside network
- End user
 - Waiting time for new device ↓
 - No migrations between devices
 - Policies & settings faster
 - Seamless & transparent experience between devices

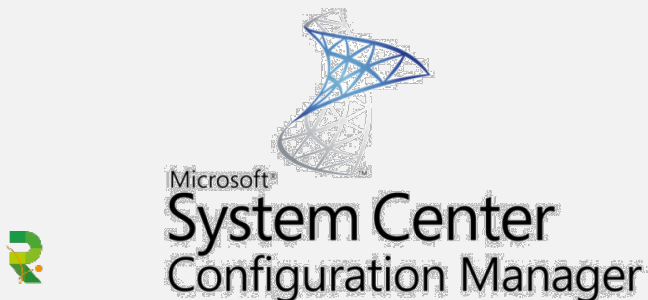


TRADITIONAL VS MODERN DEPLOYMENT



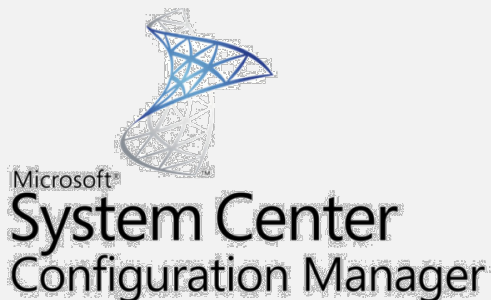
OS Provisioning

- SCCM TS
 - ▶ Partitioning + OS
 - ▶ Software
 - ▶ Updates
 - ▶ Lic (kms /mak)
 - ▶ Encryption
 - ▶ Domain
 - ▶ GPO
 - ▶ Firewall
 - ▶ Etc. (Intune ...)
- Autopilot
 - ▶ Factory or corp img
 - ▶ Connection (Azure AD)
- Intune
 - ▶ Software
 - ▶ Updates
 - ▶ Upgrades
 - ▶ Lic (subscription)
 - ▶ Encryption
 - ▶ ...
- EM+S
 - ▶ ...



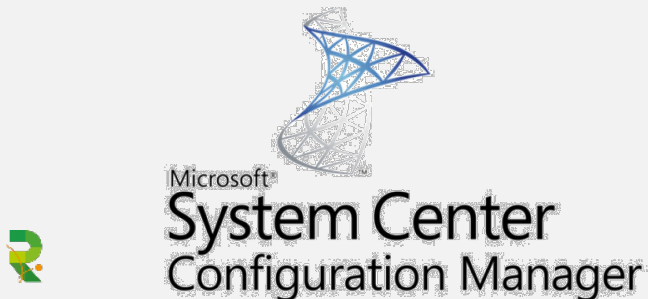
Updates & Upgrades

- SCCM SUP / WSUS
 - OS patches
 - Updates & Upgrades
 - Office Updates
- Software Delivery
 - Application updates
- INTUNE
 - OS patches
 - Updates & Upgrades
 - Office Updates
 - Apps
- MS Store for business



Going hybrid

- SCCM
 - ▶ Internet-based client management
 - ▶ Cloud Management Gateway
- Autopilot Hybrid :
 - ▶ Azure AD & Domain AD
 - ▶ Co-management : Intune & SCCM



What to choose?

- SCCM

- # users

- ▶ More on-prem <> less cloud
- ▶ More domain joined <> less non-domain joined

- IT strategy focus:

- ▶ More device oriented mgmt

- Autopilot, Intune, EM+S

- # users

- ▶ More cloud <> less on-prem
- ▶ More non-domain joined <> less domain joined

- ▶ IT strategy focus:

- ▶ More user oriented mgmt

- ▶ More device mgmt over security

- ▶ Immediate connection



- ▶ More security over device

- ▶ Connection with delay



REALDOLMEN CASE



P.I.



- 1995, London
 - ▶ Provide public affairs support
 - ▶ Across multiple markets
- 1997, Brussels
 - ▶ Providing European and Belgian public affairs services
 - ▶ Private and public organizations
 - ▶ Wide range of sectors.
- Customer desired
 - ▶ New employee starts
 - laptop ready
 - email account configured
 - WiFi access OK
 - ▶ Support requests not centralised
 - employee # "support credits"
 - no more CXO intervention Surfaces
- Project
 - ▶ **WorkPlace as a Service (WPaaS)**
 - ▶ Leasing
 - ▶ Support & Services
 - ▶ Autopilot Project
 - ▶ Pilot phase : 20 devices



Q&A



To get there, together



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