

CLOUD

INTERMEDIATE

2 DAYS

Windows Autopilot

Build practical skills in Windows Autopilot with hands-on labs covering core concepts, architecture patterns, and production-ready workflows.

Why Windows Autopilot?

Practical skills

Register devices into Windows Autopilot using hardware hash methods.

Operational readiness

Create and assign deployment profiles for User-Driven and Self-Deploying scenarios.

Enterprise outcomes

Configure and troubleshoot the Enrollment Status Page.

Faster adoption

Participants understand Hybrid Azure AD Join requirements for on-premise environments.

What you'll be able to do

- ✓ Understand the Windows Autopilot deployment model and its business value
- ✓ Configure Autopilot deployment profiles in Microsoft Intune
- ✓ Register devices into Autopilot using hardware hash methods
- ✓ Set up and manage the Enrollment Status Page
- ✓ Deploy devices using User-Driven, Self-Deploying, and Pre-provisioning modes
- ✓ Troubleshoot common Autopilot deployment failures
- ✓ Understand Hybrid Azure AD Join requirements for Autopilot

Who this is for

- System Administrators Endpoint Engineers Cloud Engineers Security Engineers IT Administrators Device Management Teams

Curriculum

01 Introduction to Windows Autopilot

- What is Windows Autopilot and how it replaces traditional imaging
- Zero-touch provisioning concept
- Deployment scenarios: User-Driven, Self-Deploying, Pre-provisioning (White Glove)
- Autopilot reset and re-deployment
- Prerequisites: Intune, Azure AD, licensing requirements

02 Device Registration

- Hardware hash: what it is and how to capture it
- Capturing hardware hash using PowerShell (Get-WindowsAutopilotInfo)
- Registering devices via CSV upload in MEM admin center
- OEM direct registration and reseller registration
- **Hands-on:** Device group tags for profile targeting; Capture hardware hash from a test device; Upload device CSV and confirm registration in Intune

03 Autopilot Deployment Profiles

- Creating an Autopilot deployment profile
- Profile settings: OOBЕ customisation, skip pages, account type
- User-Driven mode: Azure AD Join and Hybrid Azure AD Join
- Self-Deploying mode: kiosk and shared device scenarios
- **Hands-on:** Assigning profiles to device groups; Create a User-Driven Autopilot profile; Assign profile to a dynamic device group

04 Enrollment Status Page (ESP)

- What is the ESP and why it matters
- Configuring ESP: app and profile installation tracking
- Blocking device use until ESP completes
- ESP troubleshooting: common errors and timeout issues
- Configure an ESP policy
- Test ESP behaviour during a simulated enrollment

05 Hybrid Azure AD Join with Autopilot

- When to use Hybrid Azure AD Join vs. pure Azure AD Join
- Requirements: Domain Controller, Intune Connector for Active Directory
- Installing and configuring the Intune AD Connector
- Offline Domain Join process in Autopilot
- Network requirements and line-of-sight to domain controllers

06 Pre-Provisioning (White Glove)

- White Glove workflow: technician phase vs. user phase
- Requirements for White Glove deployment
- Step-by-step White Glove provisioning walkthrough
- Resealing the device for end-user delivery
- Simulate the technician phase of a White Glove deployment

07 Monitoring and Troubleshooting

- Autopilot deployment status in MEM admin center
- Common error codes and their causes
- Using Event Viewer and MDM diagnostic logs
- Autopilot reset: when and how to use it
- **Hands-on:** Deleting and re-registering devices; Review an Autopilot deployment report; Diagnose a simulated enrollment failure using logs