Surface Autopilot Cookbook for Cloud Solution Providers

Article • 03/19/2023 • 2 minutes to read

With Windows Autopilot, customers can quickly deploy and manage Surface devices without having to manually configure them or maintain their own infrastructure. When users first receive a Surface device, they must connect to a network and verify their credentials. Everything after that is fully automated.

This downloadable step-by-step walkthrough is primarily intended for Cloud Solution Providers (CSPs) with access to the Microsoft Partner Center .

Contents

Introduction

- CSP Microsoft Partner Center requirements
- Network connectivity requirements

Register Surface devices to Autopilot

- CSP partner submits Autopilot registration to Microsoft Support
- CSP partner registers Autopilot devices via Microsoft Partner Center
- Customer self-registers Autopilot devices via Intune

Prepare Surface devices for Autopilot

- Reset current in-market devices to OOBE
- Reset earlier Surface devices to OOBE

Prepare Azure demo tenant

- Create demo tenant from CDX
- Select demo user

AAD and Intune setup

- Configure automatic MDM enrollment
- Configure company branding
- Create Azure AD Group for all new Autopilot devices
- Configure Autopilot deployment profile

Intune device configuration

- Device profiles
- Enable the enrollment status page
- Deploy software Microsoft 365 Apps
- Windows edition upgrade

DFCI - Intune management of Surface UEFI settings

 Configure Device Firmware Configuration Interface (DFCI) management for Surface devices

Remove devices from Windows Autopilot Enrollment

- Check device registration status in Intune
- Assign device to a user

Reset devices and deregister from Autopilot

- Reset the device to OOBE
- Deregister the device from Windows Autopilot

Return and exchange scenarios

- Prepare devices for repair
- Remove devices from Autopilot and Device Firmware Configuration Interface (DFCI)
- Reset UEFI to enable boot from USB to reimage
- Enroll device into Autopilot and DFCI to restore previous state

Appendix

- Generate hardware hash with PowerShell script
- Create and manage Autopilot profiles in the Microsoft Partner Center
- Configure settings as a partner on behalf of your customer from the Microsoft Partner
 Center
- Apply an Autopilot profile to devices in the Microsoft Partner Center
- Manage devices not supported for OEM enrollment
- Order Specific OS Versions for Windows Autopilot customers

Learn more

- Windows Autopilot and Surface devices
- Surface Registration Support for Windows Autopilot
- Enroll Windows devices in Intune by using Windows Autopilot
- Overview of Windows Autopilot
- Surface System SKU reference