nowmicro

because now matters

Migrating to Windows 11

nowmicro

Agenda

- Introduction

- System Requirements

- Compatibility Reporting

- Upgrade Options

- Troubleshooting

- Customizations

- New Features (24H2)

Jon Anderson

- Senior Systems Consultant at Now Micro

- 14+ Years experience consulting

- Focus on securing and managing identities and devices

- MCSE Certified in Cloud Platform and Infrastructure

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With a blend of proprietary hardware, cloud device management software and partnerships with industry giants including Intel, HP, Dell, and Lenovo, Now Micro is uniquely positioned to help customers maximize investments in technology.
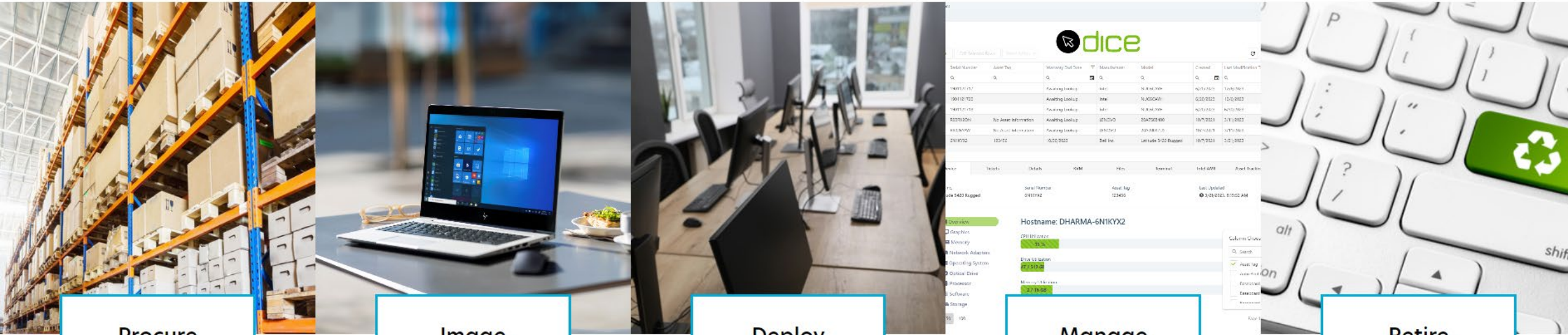
Procure

We work as your advocate to equip your organization with the technology you need, at the right price.

Image

Our automated, highly scalable imaging services prepare your new devices exactly as you need them.

Deploy

We offer customizable deployment services that help tackle time and space obstacles.

Manage

We built a platform to manage your IT assets in a single pane of glass, making your day-to-day management easy.

Retire

Our approach to tech disposal and tech recycle ensures effective environmental control, making it a sustainable choice.

DICE helps customers manage product lifecycles through a single pane of glass.

Example capabilities:

- Streamlined check-in and check-out processes for users

- Device lifecycle reports to quickly slice data for purchasing decisions

- Device location tracking

- Real-time data on devices

- Device and warranty information

- Interactive device management

- Intel vPro AMT out of band management
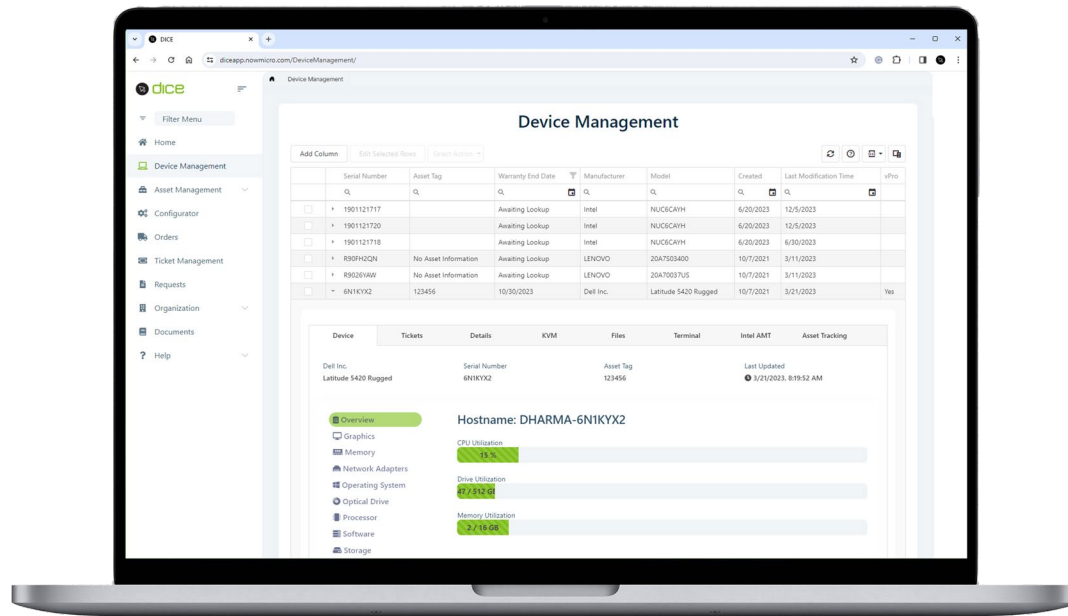
Why Upgrade to Windows 11?

- Windows 10 End of Servicing – October 14th, 2025

- Improved security tools and features

- Compatibility with latest applications and hardware

- Improved Co-pilot integration

- Improved user experience (tabbed explorer, window snap, virtual desktops)

Windows 11 System Requirements
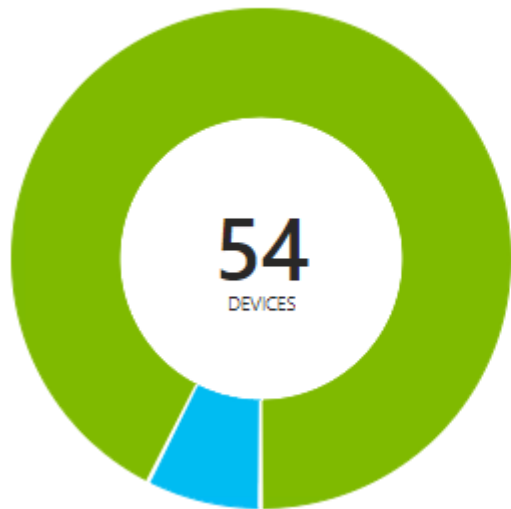
- Processor

- TPM 2.0

- UEFI and Secure Boot

[List of Windows 11 System Requirements](#)

[List of Supported Processors](#)

Windows 11 Compatibility Reporting

- Configuration Manager

  - Windows 11 Upgrade Readiness Dashboard

  - Queries

- Intune / Azure

  - Reports

  - Endpoint Analytics

  - Windows Update for Business Report

- Registry

In progress
4 devices

Success
50 devices

Error
0 devices

Rollback initiated or compl...
0 devices

Cancelled
0 devices

On hold
0 devices

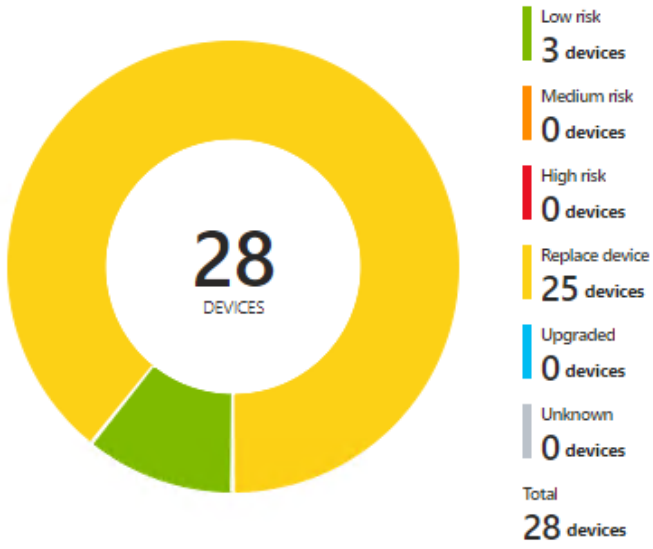Total
54 devices

Feature update policy   Windows 11 23H2

Select a feature update profile   Unselect filter

Update aggregated status

All ⌄

Ownership

1 selected ⌄

Generate again   Cancel

🔍 Search by device name, primary UPN, Intune device ID or Microsoft Entra device ID

Showing 1 to 50 of 54 records

Devices ↑↓	Last Event Time ↑↓	Update State	Update Substate	Update Aggregated State	Alert Type	Target Version ↑↓
███████	8/11/2024, 8:42:51 PM	Pending	Scheduled	In progress	Not applicable	Windows 11, version 23H2
	6/6/2024, 8:52:45 AM	Installed	Update installed	Success	Not applicable	Windows 11, version 23H2
	6/10/2024, 4:38:36 PM	Installed	Update installed	Success	Not applicable	Windows 11, version 23H2
	6/7/2024, 4:11:59 PM	Installed	Update installed	Success	Not applicable	Windows 11, version 23H2
	6/12/2024, 5:26:07 PM	Installed	Update installed	Success	Not applicable	Windows 11, version 23H2

Low risk
3 devices

Medium risk
0 devices

High risk
0 devices

Replace device
25 devices

Upgraded
0 devices

Unknown
0 devices

Total
28 devices

28 DEVICES

Target OS	Windows 11 - version 23H2
	Select target OS Unselect filter
Scope (Tags)	Default
	Select scope tag Unselect filter

Ownership	1 selected ⌄
Readiness status	4 selected ⌄

Generate again   Cancel

🔍 Search by device name, Intune device ID or Microsoft Entra device ID

Showing 1 to 28 of 28 records   < Previous

Device Name ↑↓	Manufacturer ↑↓	Model ↑↓	OS Version ↑↓	Readiness status ↑↓	Sys req issues	App issues ↑↓	Driver issues ↑↓	Other issues ↑↓
	LENOVO	30DGS08E00	10.0.19044.4894	Low risk		0	0	0
	Now Micro	NUC5i3RYH	10.0.19045.4894	Replace device	Processor family, TPM	0	0	1
	HP	HP Elite Slice G2 with MS SRS	10.0.19045.4780	Replace device	Processor family	0	0	1
	Microsoft Corporation	Surface Laptop	10.0.19045.4780	Replace device	Processor family	0	1	0
	LENOVO	10B4S07S00	10.0.19045.4894	Replace device	Processor family, TPM, Secure boot	0	0	0

	Low risk
	0 assets

	Medium risk
	5 assets

	High risk
	0 assets

Total
5 assets

5
ASSETS

Target OS   Windows 11 - version 23H2

Select target OS   Unselect filter

Asset Type   [All   ⌄]
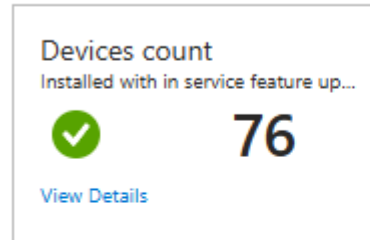
Risk status   [All   ⌄]

[**Generate again**]   [Cancel]

🔍 Search by asset name or asset vendor

Showing 1 to 5 of 5 records

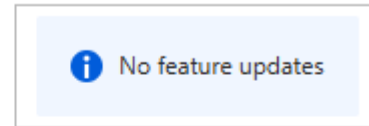| Asset type ↑↓	Asset name ↑↓	Asset vendor ↑↓	Asset version ↑↓	Affected devices ↑↓	Risk status ↑↓	Issue
Other	IR Camera Driver Legacy Components	REALTEK		2	Medium risk	Application is removed during upgrade
Other	Intel Bluetooth	Intel		6	Medium risk	Application is removed during upgrade
Other	Logitech Download Assistant - LogiLDA.DLL	Logitech		1	Medium risk	Application is removed during upgrade
Driver	Realtek DMFT - IR (usbvideo.sys)	Realtek	10.0.15063.20005	1	Medium risk	Driver will not migrate to new OS

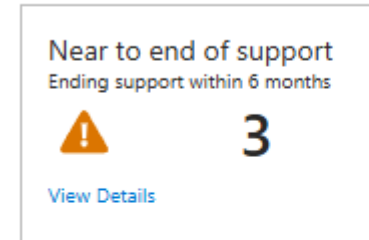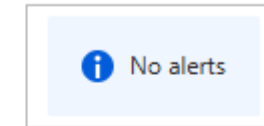| Device name ↑↓	Manufacturer ↑↓	Model ↑↓	OS version ↑↓	Windows 11... ↑↓	Windows 11 readiness reason
███████████	LENOVO	30DGS08E00	10.0.19044.4894	Capable	--
	Dell Inc.	Precision 5570	10.0.22631.4037	Upgraded	--
	Now Micro	NUC5i3RYH	10.0.19045.4894	Not capable	TPM, CPU family
	HP	HP Elite Slice G2 with ...	10.0.19045.4780	Not capable	CPU family
	Microsoft Corporation	Surface Laptop	10.0.19045.4780	Not capable	CPU family
	Dell Inc.	Latitude 5430	10.0.22631.4037	Upgraded	--
	LENOVO	10B4S07S00	10.0.19045.4894	Not capable	TPM, System firmware, CPU family

In Service feature update

Devices count
Installed with in service feature up...

✅ **76**

View Details

End of Service feature update

ℹ️ No feature updates

Nearing EOS

Near to end of support
Ending support within 6 months

⚠️ **3**

View Details

Active alerts

ℹ️ No alerts

Update status   **Device status**

Windows 11 readiness status
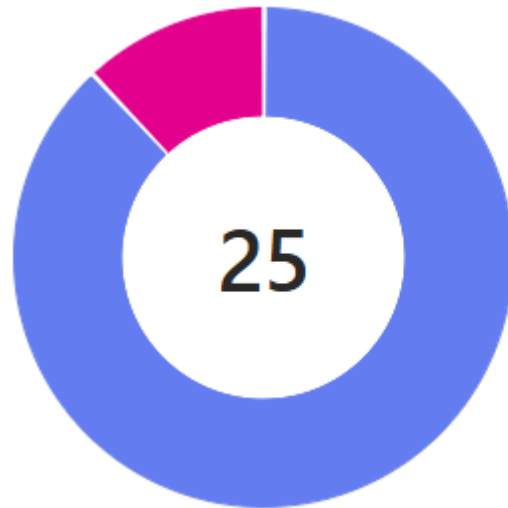
■ NotCapable
■ Capable

25

· · ·   ### Device alerts

Warning
6

6
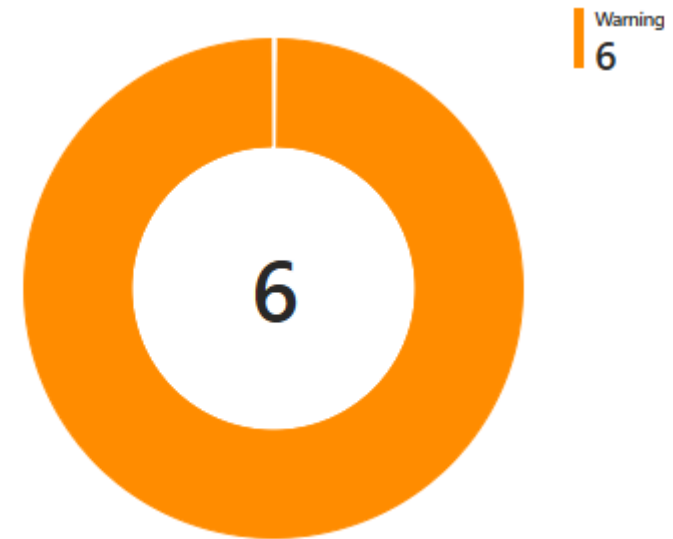
Microsoft Compatibility Appraiser

- Task Scheduler

  - Microsoft > Windows > Application Experience

  - Microsoft Compatibility Appraiser

- Registry

  - HKLM\Software\Microsoft\Windows NT\CurrentVersion\AppCompatFlags\TargetVersionUpgradeExperienceIndicators

Options for Incompatible Devices

- Resolve compatibility issues if possible

  - Enable or upgrade TPM

  - Disable legacy boot support and enable Secure Boot

  - Add additional RAM or a bigger hard drive

- Purchase new hardware

  - Now Micro is partnered with Dell, HP, Lenovo, and More

Options for Incompatible Devices Cont.

- Extended Security Updates (ESU) Program

  - Annual subscription fee for up to 3 additional years of updates

  - [Microsoft Documentation](#)

- Windows 10 Long-Term Servicing Channel (LTSC)

  - Updates available until late 2020s

  - Typically not installed on standard end-user devices

  - Lacking features compared to the GA versions of Windows

  - [Microsoft Documentation](#)

Options for Incompatible Devices Cont.

- Install Windows 11 in an unsupported configuration

  - Not recommended

  - Not guaranteed to receive updates in the future

  - Some features may not work

  - Possible system instability

  - [Microsoft Documentation](#)

9/18/2024 | 19

Windows 11 Upgrade Methods

- Configuration Manager

    - Windows Update

    - Task Sequence

- Windows Update for Business

    - Intune Settings

    - Group Policy Settings

- Manual Upgrade

Windows 11 Upgrade Troubleshooting

- Intune and Azure Reports

- SetupDiag – Diagnostic tool used to parse upgrade log files

  - [SetupDiag Documentation](#)

- Log Files and Error Codes

  - [List of Windows upgrade log files](#)

  - [List of common Windows upgrade error codes](#)

- Technical details on the upgrade process can be found here

  - [Windows upgrade troubleshooting information](#)

Windows 11 Customization

- Start Menu layout

- Taskbar layout

- Shortcut and feature availability

    - Co-pilot

    - Recall

    - Widgets

Start Menu Customization

- Preference (Default, user can change)

  - Configure the Start menu, then copy the "Start.bin" file

  - AppData\Local\Packages\Microsoft.Windows.StartMenuExperienceHost_cw5n1 h2txyewy\LocalState\start.bin

  - Copy the "Start.bin" file to the default user profile

- Policy (Forced, user cannot change)

  - Export-StartLayout -Path "C:\StartLayout.json"

  - ./Device/Vendor/MSFT/Policy/Config/Start/ConfigureStartPins

- Customize the Start layout | Microsoft Learn

Taskbar Customization

- Preference (Default, user can change)
    - Configure a "LayoutModification.xml" file
    - Copy the "LayoutModification.xml" file to the default user profile
- Policy (Forced, user cannot change)
    - Configure a "LayoutModification.xml" file
    - ./Device/Vendor/MSFT/Policy/Config/Start/StartLayout/Configure start layout
    - Computer Configuration > Administrative Templates > Start Menu and Taskbar
- Configure the Windows taskbar | Microsoft Learn

Shortcuts and Features

- Widgets
    - ./Device/Vendor/MSFT/Policy/Config/NewsAndInterests/AllowNewsAndInterests
    - Computer Configuration > Policies > Administrative Templates > Windows Components > Widgets > Allow Widgets
- Co-pilot
    - ./User/Vendor/MSFT/Policy/Config/WindowsAI/TurnOffWindowsCopilot
    - User Configuration > Administrative Templates > Windows Components > Windows Copilot > Turn off Windows Copilot
- Recall
    - ./User/Vendor/MSFT/Policy/Config/WindowsAI/DisableAIDataAnalysis
    - User Configuration > Administrative Templates > Windows Components > Windows AI > Turn off saving snapshots for Windows

New Features in Windows 11

- Updated UI elements

    - Start Menu and Taskbar

    - Context Menus

- File Explorer now supports tabs

- Improved Window snap and snap groups

- Improved Settings application

Windows 11 24H2

- Available as an optional update on September 24th and generally available on October 8th

- New Features

    - Improved Co-pilot integration

    - Native support for .zip, .7z, and .tar files

    - Sudo for Windows

Thank you!

Questions or comments?