Streamline common device management tasks with AMD Ryzen PRO processor-powered Dell Pro AI PCs

In addition to providing the same out-of-band (OOB) management capabilities as Intel vPro processor-powered HP and Lenovo PCs, we found IT admins could save significant time managing a fleet of AMD PRO processor-powered Dell devices

Dell™ Pro 16 laptop

powered by an AMD Ryzen™ AI 7 PRO 350 processor

HP EliteBook 8 G1i Notebook Next Gen AI PC

powered by an Intel® Core™ Ultra 7 268V with vPro® processor

Lenovo® ThinkPad® T14 Gen 6

powered by an Intel Core Ultra 7 268V with vPro processor

Remote management

We verified that the hardware-based technology that facilitates OOB management of AMD PRO (AIM-T) and Intel vPro (Intel AMT) PCs enabled these remote management capabilities:

	AMD PRO	Intel vPro
Boot control	Yes	Yes
HTTPS secure transport and web services management	Yes	Yes
Soft shutdown	Yes	Yes
KVM redirection	Yes	Yes

AMD PRO: We accessed the Dell PC via the AMD Management Console. Intel vPro: We accessed the HP and Lenovo PCs via the Intel EMA console and MeshCommander, an open-source Intel AMT console.

Enabling IT teams to remotely monitor and manage devices from a single console streamlines many important activities, including protecting sensitive information, modifying BIOS settings or boot options, and troubleshooting PCs.
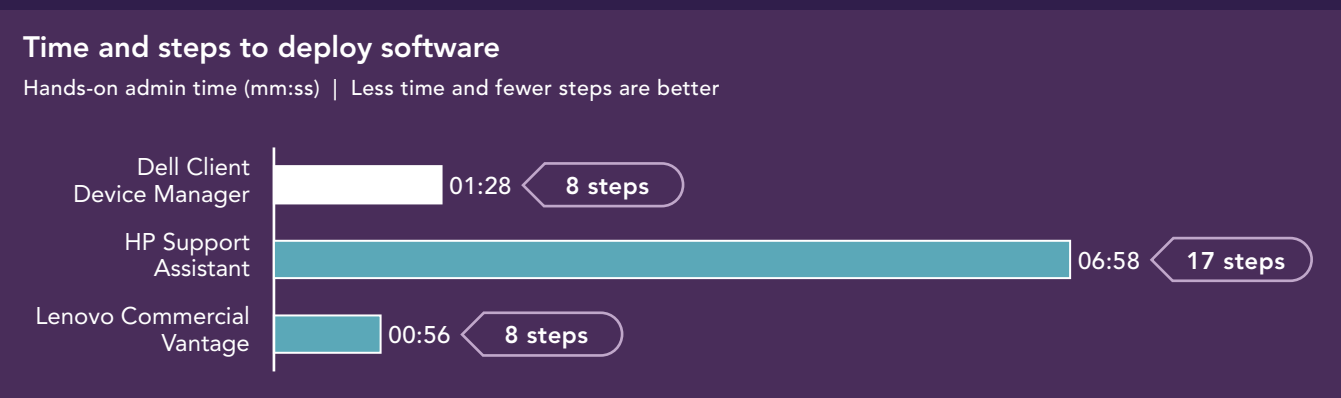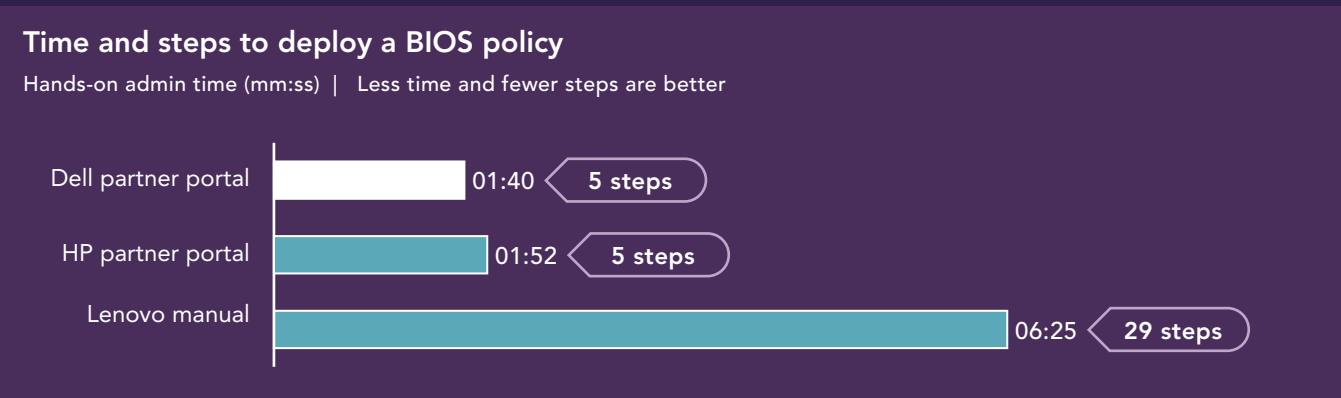
IT efficiency and fleet manageability

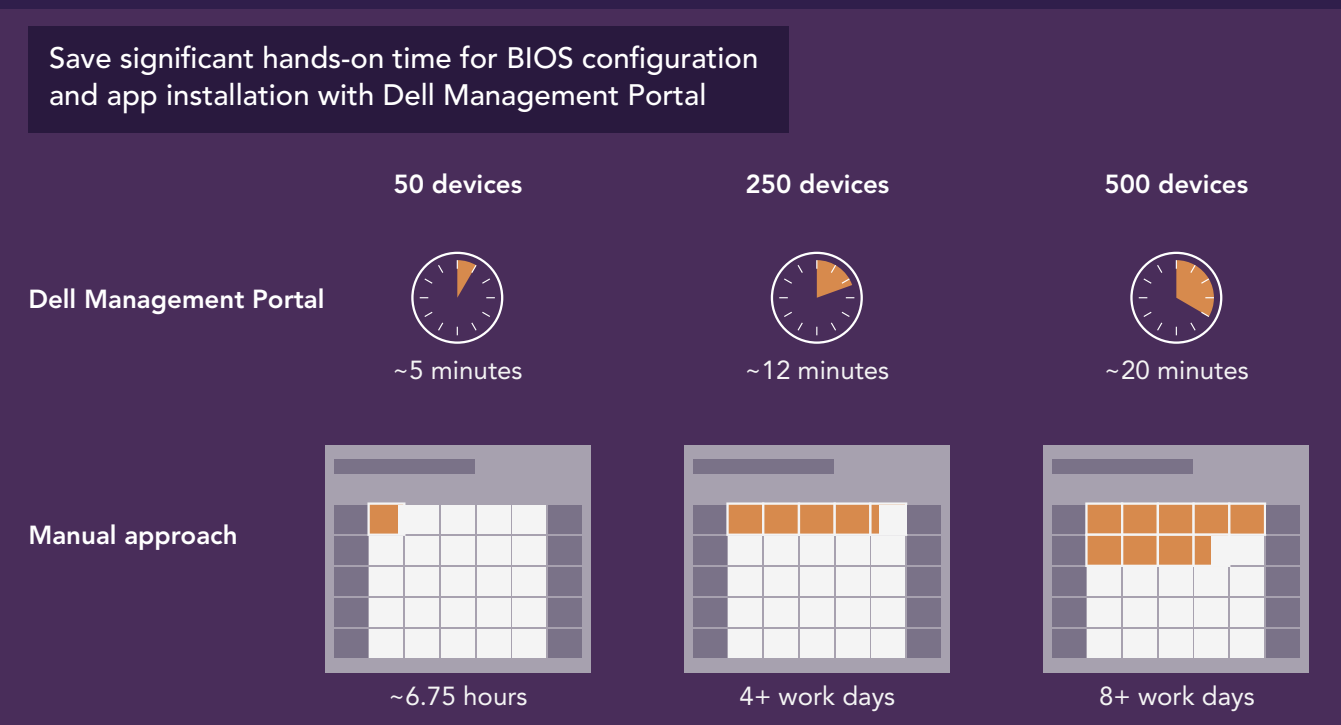We completed two common in-band management tasks on the three PCs. Key takeaways:

For the Dell device, we deployed the BIOS policy and software within the Dell Management Portal connected to Intune. Not only did we complete each task in under a minute and 40 seconds—fewer steps means less chance for human error.

For the HP device, we deployed a BIOS policy through the HP Intune partner portal. To deploy software, we downloaded HP Support Assistant through the HP website, packaged it, and deployed it through Intune.

For the Lenovo device, we manually deployed a BIOS policy using software we downloaded from Lenovo and published to Intune. To deploy software, we downloaded Lenovo Commercial Vantage from the Microsoft store, skipping Intune altogether.

Time and steps to deploy a BIOS policy
Hands-on admin time (mm:ss) | Less time and fewer steps are better

Dell partner portal	01:40 — 5 steps
HP partner portal	01:52 — 5 steps
Lenovo manual	06:25 — 29 steps

Time and steps to deploy software
Hands-on admin time (mm:ss) | Less time and fewer steps are better

Dell Client Device Manager	01:28 — 8 steps
HP Support Assistant	06:58 — 17 steps
Lenovo Commercial Vantage	00:56 — 8 steps

We also calculated the IT time commitment for a single workflow—featuring BIOS configuration and app installation—using both a manual approach and the Dell Management Portal. These extrapolated times are based on our hands-on results with 1, 2, and 3 Dell devices.

Save significant hands-on time for BIOS configuration and app installation with Dell Management Portal

	50 devices	250 devices	500 devices
Dell Management Portal	~5 minutes	~12 minutes	~20 minutes
Manual approach	~6.75 hours	4+ work days	8+ work days

*Dell Management Portal total times include the initial 3 minute and 8 second setup time. We found that adding devices to a target group required about 2 seconds of hands-on admin time per device. Manual approach total times assume IT staff do each system configuration sequentially and use downloads from support.dell.com and not a local software repository. These results assume that IT has already assigned both the BIOS profile and published applications to the target group.

Read the report to learn more ▶

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