

# Bring AI to your PCs

Realize the potential of  
on-device AI with  
**Dell Pro AI Studio** -  
a comprehensive toolkit  
designed to accelerate  
on-device AI PC integration

*\*Available April 2025*



# Making AI more accessible and efficient for developers and IT administrators

Discover how Dell Pro AI Studio simplifies AI from creation to deployment and management while overcoming today's challenges of on-device AI to help your organization accelerate innovation



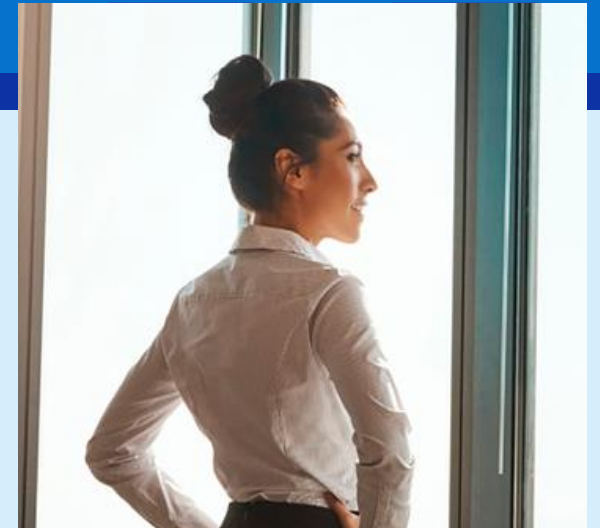
Tackling AI Complexity



Dell Pro AI Studio



Accelerate AI  
Deployment in 6 Weeks

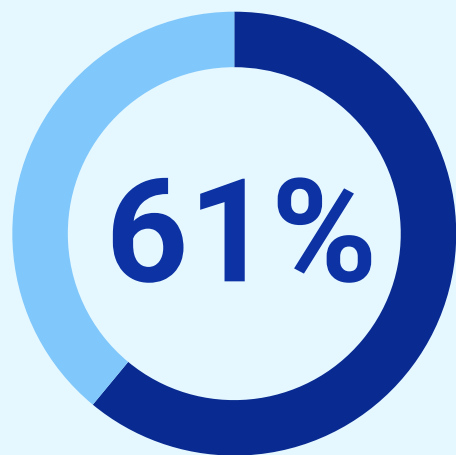


Why Dell?

# Overcoming the challenges of on-device AI

Is your organization struggling with AI complexities? **You're not alone.**

Enterprise customers need a quick-start solution to implementing AI on PCs, that saves time and reduces reliance on cloud-services



IT Teams want easy tools to specialize and deploy AI models fleet-wide

Critical challenges developers and ITDMS are face today when managing AI workloads on rapidly evolving technology



## Silicon complexity

Challenges in efficiently integrating AI capabilities within software while ensuring NPU & cross-silicon compatibility



## AI lifecycle complexity

Underlying ecosystem differences increase complexity of application implementation and maintenance



## Cloud dependency

High costs of cloud services and concerns of data privacy and security deter organization from fully adopting AI solutions

The Solution:

# Dell Pro AI Studio

Dell Pro AI Studio is a comprehensive set of Dell-validated tools, frameworks, templates, and models which enable developers and IT admins to build and manage AI software designed to utilize NPUs across various silicon vendors.

**+ Simplifies and accelerates development and deployment**

With Dell's validated tools, frameworks, and models, enterprises can easily & quickly deploy purpose-built AI applications across their Dell AI PC fleets.

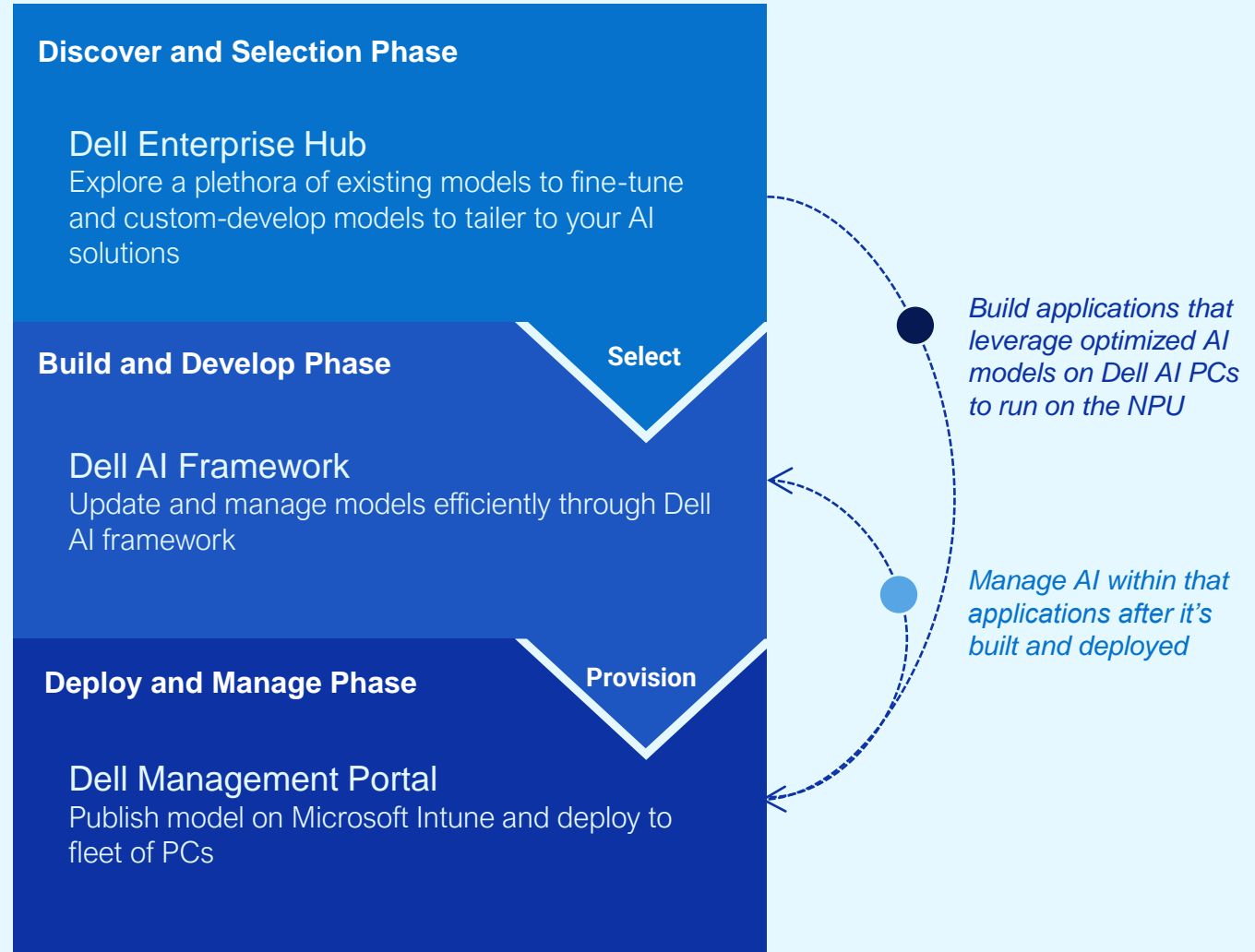
**+ Enhance AI lifecycle management**

Dell Pro AI Studio offers automation capabilities to optimize the AI lifecycle, by enabling AI application management in platforms like Microsoft Intune.

**+ Maximize AI PC Value**

Save on cloud costs with Dell on-device AI acceleration, by enabling enterprise AI applications at scale and while ensuring robust data privacy and security – all at a fraction of the expense.

## How it works



# Discover your advantage

Whether you're an AI developer or an IT decision-maker, Dell Pro AI Studio simplifies your AI journey. From development to deployment, it streamlines the process and makes working with AI a breeze

## Benefits AI Developers

### Ready-to-use and optimized models

Models and runtime environments are optimized right from the start, so you can focus on building features and solving real-world problems without spending time on manual optimizations

### Skip the rebuilds

Stay updated without disrupting your workflow or rebuilding applications. Automatic updates tools, frameworks, and models to ensure you're always using the latest and most secure versions—no manual effort required.

### Build to Work with Industry Standards

Leverage widely-used AI frameworks with a built-in NPU converter that follows industry AI standards, enabling seamless framework switching and effortless platform adoption.

### Compatibility in cross-silicon hardware

Develop once and deploy seamlessly across multiple devices, without the need for code rework. Ensure flexibility, scalability, and future-proof adaptability to work across various silicon vendors.

## Benefits ITDMS

### Controlled provisioning made easy

With Dell Pro AI Studio, you can precisely provision and update models within AI applications across your fleet, ensuring that management and deployment is always accurate, efficient, and aligned with your organization's needs.

### Maximized AI PC Value

Enhance your investment with Dell Pro AI Studio's on-device AI acceleration, delivering cloud-level performance while reducing costs and keeping your data secure.

With the industry's most comprehensive AI toolkit, Dell leverages advanced NPU technology to deliver exceptional capabilities for transforming your business operations<sup>1</sup>

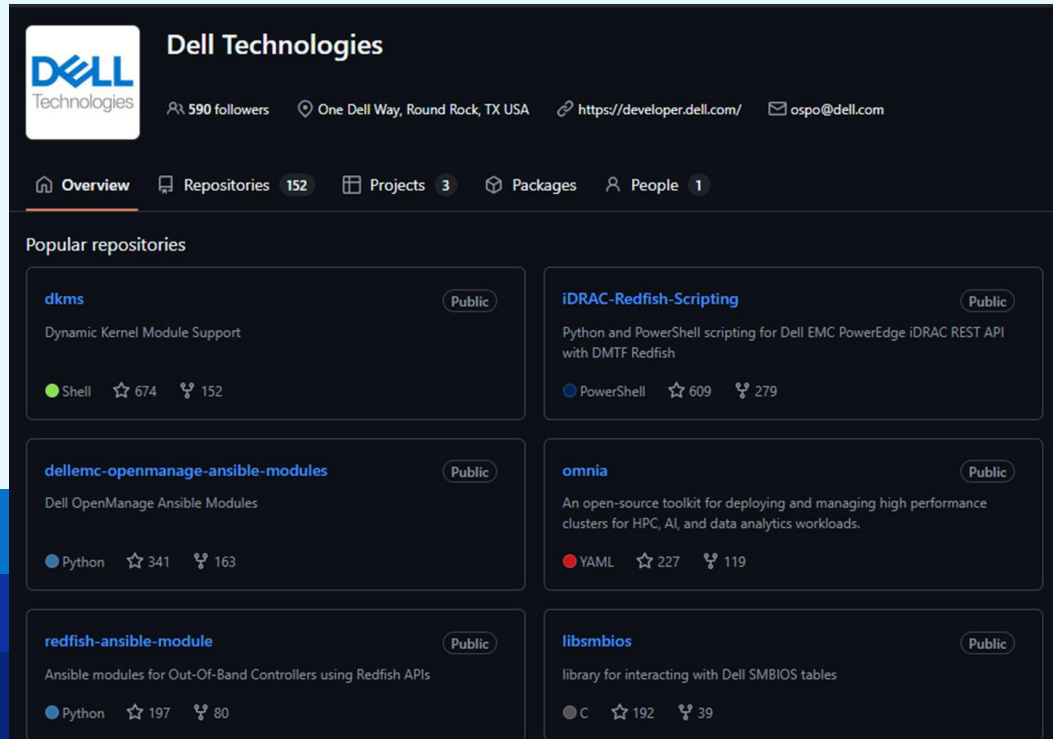


# Build your own AI apps today

Take your organization to the next level with advanced on-device AI capabilities

## Dell Validated Designs for AI PCs available on Dell Github

Leverage open-source reference samples to accelerate AI deployment with NPU-enabled applications, enabling local processing.



## Models available on Dell Enterprise Hub

Customize modular designs to add features like LLMs, vision, text, and speech, then deploy the AI application across multiple platforms, regardless of silicon.

### Real-ESRGAN

Enhance image quality and resolutions for media production or archival purposes

### YOLOv8

Accelerate computer vision with object detection, segmentation, and classification

### Whisper

Easily transcribe multilingual audio from videos or meeting recordings to English text for accurate, efficient conversation

### CLIP

Search images with efficient and quick text-based search and rapid content categorization

# The 6 Week Breakthrough

Accelerate your journey to on-device AI innovation with Dell Pro AI Studio. It's designed to save you time, money, and resources – ensuring better performance, enhanced security, and reliable connectivity.

Dell Pro AI Studio is the industry's most comprehensive AI toolkit leveraging NPU technology<sup>1</sup>



## Current State without Dell Pro AI Studio

1 Month

- Searches Model Zoos
- Cross-references HW targets
  - Conducts POC
- Explores complex environments
- Determines system configuration
- Repeats for each model/device

5 Months

- Conducts Model fine-tuning
- Iterates model conversion until working config
  - Integrates platform discovery logic
    - Secures model
    - Selects resources
- Evaluates solution performance
- Repeats for each model/device

6 Months

- Provisions app manually
- Manage model updates & runtimes
- Manage re-deployment for data updates
- Manage resource strategy (model/device)
  - Handles multiple app versions
  - Has limited IT Pro visibility
- Model updates trigger a repeat Build process

## Future State with Dell Pro AI Studio

1 Week

- Selects Dell Validated Models for AI PCs
- Use Dell Validated Designs to simplify AI solution planning

3 Weeks

- Uses Dell Validated Designs for model fine-tuning & conversion
- Configures app to connect Dell AI Framework

6 Weeks

- Provisions app via MS Intune scripts
- Manages model updates, resource policy and usage insights through MS Intune

1.  
Discover  
and Select

2.  
Build  
and Develop

3.  
Deploy  
and Manage

# Why Dell for AI Client Solutions?

## End-to-End AI Capabilities

World's broadest AI / GenAI solutions portfolio from desktop to data center to cloud, all in one place<sup>1</sup>, with deep partner relationships.

### #1 Commercial AI PCs Worldwide<sup>2</sup>

Portfolio of AI PCs thoughtfully designed with the smallest commercial PCs<sup>3</sup> crafted to meet a wide range of needs for every use case.

## Leading on-device AI PC innovation

Only Dell provides the innovation and cross-silicon optimization that others can't match, empowering your tech with open-source capabilities that leverage NPU technology<sup>4</sup> with Dell Validated Designs.

### Most secure and manageable commercial AI PCs<sup>5</sup>

Dell Trusted Workspace with Dell Management Portal deliver the industry's most secure, manageable AI PCs, integrating advanced threat detection, fleet-wide BIOS control, and IT customization tools.

## Comprehensive Services

End-to-end modern client services at a global scale, simplifying AI journeys (M365 Copilot, Generative AI) with technology refresh options with predictable monthly pricing (APEX).

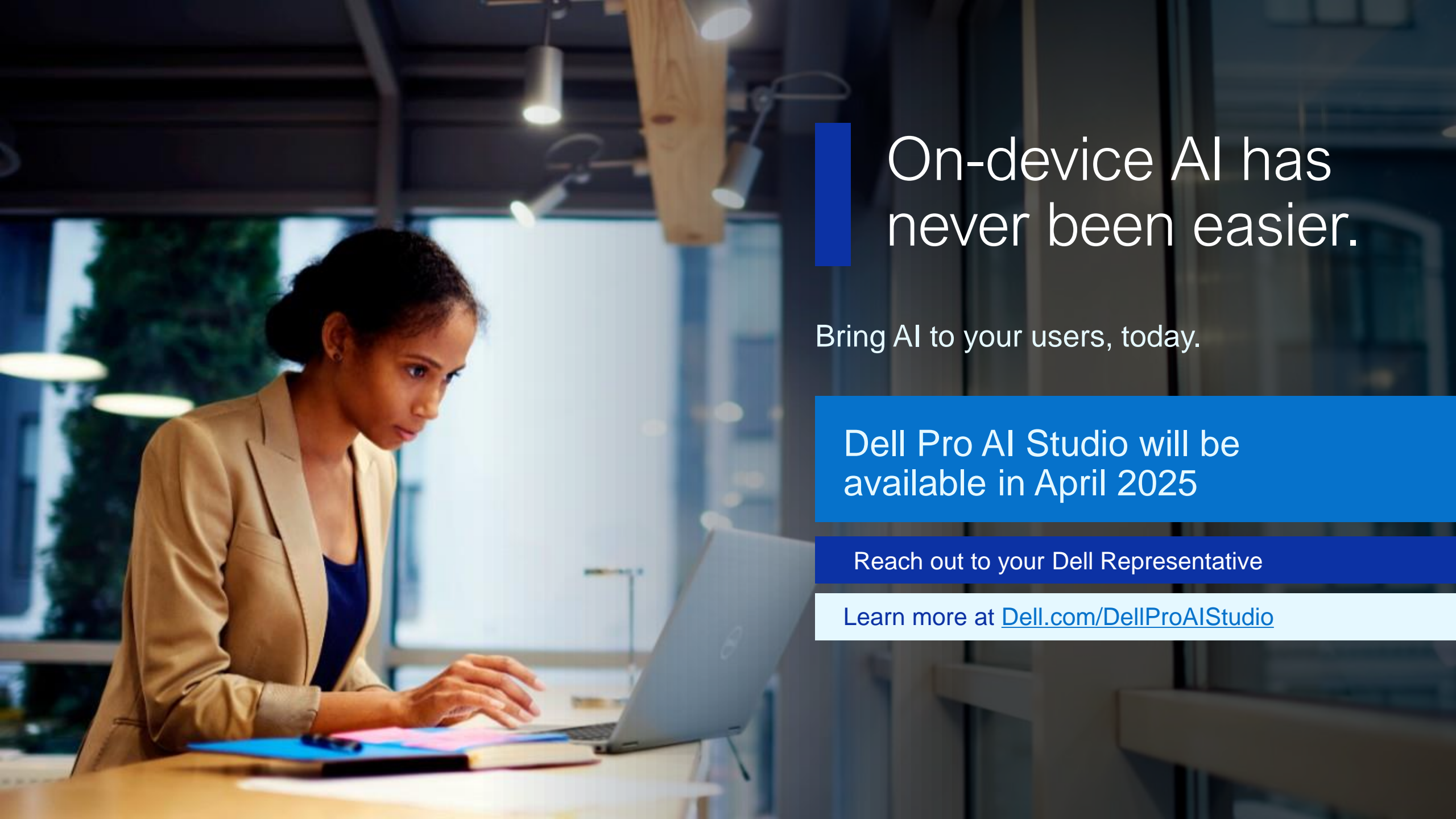
<sup>1</sup> Based on Dell analysis, August 2023. Dell Technologies offers hardware solutions engineered to support AI workloads from Workstations PCs (mobile and fixed) to Servers for High-performance Computing, Data Storage, Cloud Native Software-Defined Infrastructure, Networking Switches, Data Protection, HCI and Services.

<sup>2</sup> Based on IDC Worldwide Quarterly Personal Computing Device Tracker, Feb. 7, 2025 – Units.

<sup>3</sup> Based on internal analysis of Precision 5690 45W processor vs HP Zbook Studio G10 and Lenovo P1 Gen6 14" workstations, December 2023.

<sup>4</sup> Based on Dell internal testing against publicly available comprehensive information, November 2024.

<sup>5</sup> Based on Dell internal analysis, October 2024. Applicable to PCs on Intel processors. Not all features available with all PCs. Additional purchase required for some features. Validated by Principled Technologies. A comparison of security features (<https://www.principledtechnologies.com/DellOEM-security-feature-comparison-0424.pdf>), April 2024.



On-device AI has  
never been easier.

Bring AI to your users, today.

Dell Pro AI Studio will be  
available in April 2025

Reach out to your Dell Representative

Learn more at [Dell.com/DellProAIStudio](https://Dell.com/DellProAIStudio)