



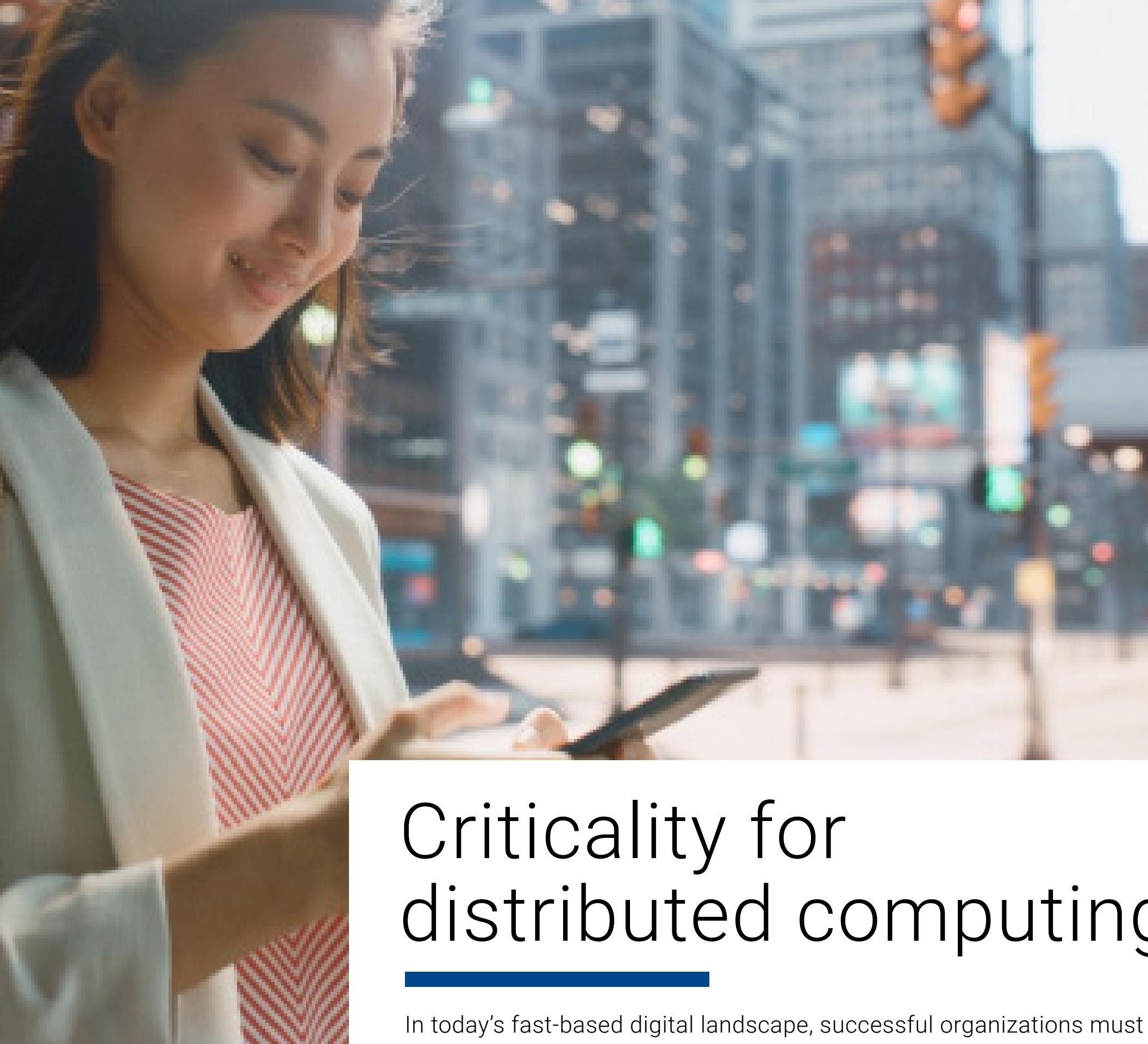
# Dell NativeEdge

Optimize: Achieve seamless virtualization and scalable AI

# Table of Contents

---

Criticality for distributed computing.....	03
Enterprise considerations for AI.....	04
Introducing Dell NativeEdge.....	05
Optimize for AI at the Edge.....	06
Consolidate technology silos throughout distributed locations.....	07
Freedom to build your distributed computing strategy.....	09
Maximize the value of your existing investments.....	10
Build consistent management experience across sites, devices, and applications.....	11
Optimize IT costs for resilient distributed AI solutions.....	12



# Criticality for distributed computing

---

In today's fast-based digital landscape, successful organizations must respond to rapidly changing customer preferences and dynamic market conditions in near real-time. This need for digital agility has made the ability to manage computing at the edge and in distributed data centers a cornerstone of modern business outcomes.

As enterprises expand their distributed computing capabilities, they face the challenge of achieving a better return on investment (ROI) while managing the complexity of these environments. Dell NativeEdge empowers organizations to transform distributed environments into secure, scalable, and intelligent extensions of their enterprise—unlocking the full potential of AI-driven insights and operational efficiency.

# Enterprise Considerations for AI throughout distributed environments

---



How should we manage diverse AI workloads across our locations while controlling data and cloud costs?

---



How can we move away from rigid hardware requirements and complex licensing models that weren't designed for distributed environments?

---



How do we scale management processes and workflows consistently across new and legacy infrastructure that run AI workloads?

---



How will we consolidate our sprawling, siloed applications to improve efficiency and unlock innovation faster?

# Dell NativeEdge

Innovate wherever you operate

A full-stack, end-to-end solution that securely centralizes the deployment, orchestration, and lifecycle management of diverse infrastructure and applications at the edge and across distributed data centers.

Simplify, optimize, and protect edge and distributed data center environments with features such as zero-touch onboarding, zerotrust security, and advanced workload orchestration. NativeEdge leverages a KVM hypervisor and container run-time allowing organizations to deploy and manage both virtual machines (VMs) and containers. It is optimized to orchestrate AI workloads and frameworks, enabling seamless deployment and management of AI-driven applications at the edge and throughout distributed data centers. NativeEdge can also adapt to any hardware environment, supporting a wide range of options in various form factors, from Dell PowerEdge servers to desktops as well as third-party infrastructure.

Dell NativeEdge is purpose-built to address the unique challenges of distributed environments, such as operational complexity, scalability, and security. It's a solution tailored for modern organizations focused on harnessing the power of edge computing while reducing costs and improving efficiency.



## Simplify

Accelerate outcomes and centralize operations

Less than

**1 minute**

to deploy infrastructure and applications<sup>1</sup>



## Optimize

Achieve seamless virtualization and scalable AI

Up to

**68%**

time savings by automating edge application orchestration<sup>1</sup>



## Protect

Operate confidently with zero-trust security

Enable the world's

**Most Secure**

edge operations<sup>2</sup>

<sup>1</sup> Enterprise Strategy Group by TechTarget Technical Validation commissioned by Dell Technologies, "Dell NativeEdge Edge Operations Software Platform," February 2025.

<sup>2</sup> Based on Dell Technologies Internal analysis, May 2025.

**Dell.com/NativeEdge**

Dell NativeEdge empowers enterprises to securely and centrally orchestrate AI applications while deploying and managing infrastructure globally.

NativeEdge helps enterprises optimize distributed AI workloads by consolidating new and existing applications onto a common, unified management plane.



# Consolidate technology silos throughout distributed locations

---

Modern enterprises manage thousands of applications across geo-distributed edge sites and distributed data centers, often locked into vendor-specific hardware/software stacks. This creates a fragmented web of technology silos that are inefficient to manage, difficult to secure, and slow to update.

Dell NativeEdge helps transform this complexity into simplicity. Purpose-built for the edge and distributed data centers, NativeEdge provides a modern, open alternative to traditional small-cluster hyper-converged infrastructure (HCI). It enables you to seamlessly orchestrate virtual machines and containers on unified, shared infrastructure. By centralizing management across greenfield and brownfield environments, including existing Dell and third-party hardware, NativeEdge empowers you to optimize resource utilization, simplify operations, and modernize at the pace of your business.



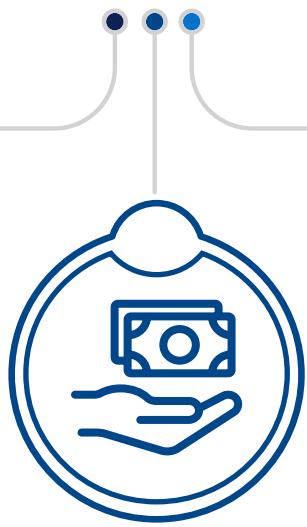


As technology silos proliferate in the pursuit of new edge and AI inferencing use cases, IT teams face the challenge of managing multiple separate control planes and ensuring an optimal utilization of deployed assets. NativeEdge eliminates these barriers by unifying operations under a single, centralized management platform. This allows enterprises to break free from silos, enabling secure, scalable operations.

## Enterprise benefits



Gain scalability, resource optimization, and standardization with a unified architecture



Optimize your costs to run edge and AI applications by consolidating workloads across sites



Accelerate innovation and deploy new use cases faster with scalable, repeatable application orchestration

# Freedom to build your distributed computing strategy

The open vendor-neutral design of NativeEdge empowers you to build a distributed compute strategy tailored for your unique needs. With NativeEdge, you can unlock the potential of your operations by leveraging technologies that drive your business forward.



Onboard and deploy applications with ease from a centralized catalog and manage them consistently across distributed environments simultaneously using declarative blueprints



Run your preferred AI and IoT applications frameworks to seamlessly connect to diverse IoT devices and applications, enabling real-time insights



Connect to OT systems across vendors with the flexibility of Dell NativeEdge, ensuring compatibility and scalability across all your locations

# Maximize the value of your existing investments

---

The open design of NativeEdge empowers you to innovate with the technologies that best fit your requirements, even those already in use. By integrating with your existing hardware and application portfolio, NativeEdge enables you to accelerate modernization without the need for costly upgrades or replacements.

With NativeEdge, you can deploy applications from a robust catalog of validated blueprints, including solutions from industry-leading partners. Open APIs make it easy to integrate with your existing tools and applications, ensuring a consistent management experience for distributed hardware and applications.



Modernize without replacing your existing devices, allowing you to extend the lifecycle of your existing investment.



Orchestrate workloads across multicloud environments, ensuring a seamless, unified experience across edge, cloud, and distributed data centers.

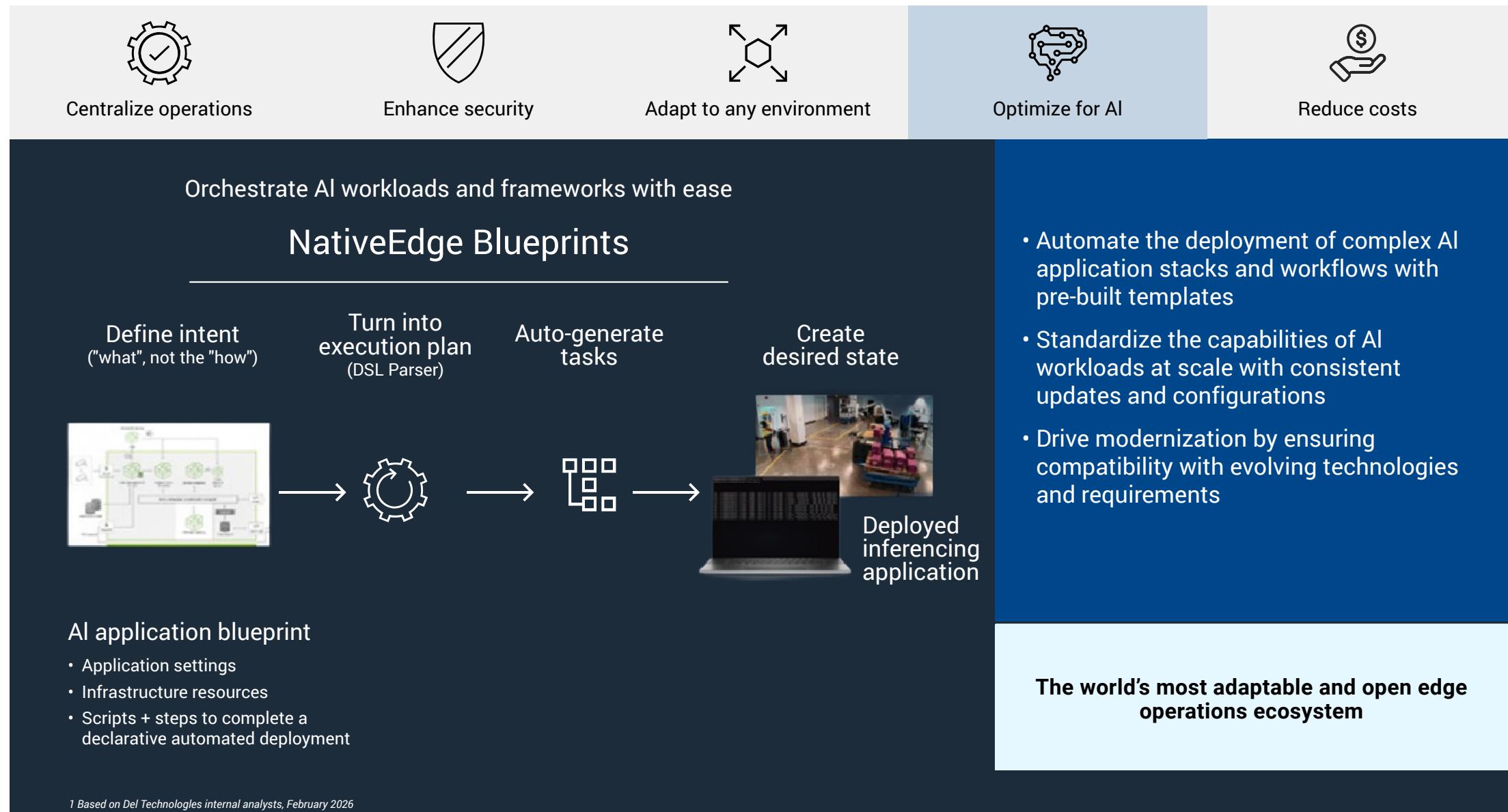


Leverage open APIs for easy integration with existing tools and applications, streamlining operations across deployed infrastructure.

# Build consistent management experience across sites, devices and applications

Dell NativeEdge helps you make smarter investments across your distributed infrastructure. You can deploy resilient, high-availability clusters on a wide range of Dell PowerEdge servers and industrial workstations. NativeEdge delivers enterprise-class resilience with automated failover and workload balancing that is purpose-built and priced for distributed environments.

Dell NativeEdge gives your teams the ability to deploy and update applications at scale from the catalog of validated blueprints. Whether you deploy your homegrown applications or a ISV application, these blueprints provide a consistent and scalable way to manage distributed applications at scale.



# Optimize IT costs for resilient distributed AI solutions

Dell NativeEdge redefines cost efficiency for distributed environments, delivering enterprise-grade resilience and scalability at a fraction of the cost of traditional HCI. Purpose-built for the edge and distributed data centers, NativeEdge extends high-availability clustering with software-defined storage (SDS) capabilities to Dell servers and workstations, empowering enterprises to scale with ease.

NativeEdge combines advanced features like automated failover, live VM migration, data recovery, and policy-based load balancing. These capabilities provide the resilience and performance you expect from enterprise HCI, with a low entry cost tailored for distributed environments. By reducing costs and driving productivity, NativeEdge makes it easier and more affordable to deploy powerful AI solutions exactly where you need them.

As the first edge orchestration platform to automate the delivery of NVIDIA AI Enterprise software<sup>1</sup>, NativeEdge accelerates your AI initiatives with integrated blueprints for NVIDIA software development kits (SDKs) and a simplified licensing model. This streamlined approach eliminates unnecessary complexity, enabling you to turn data into intelligent action faster than ever before.



With Dell global customer support services, you can maximize the value of your IT investment and ensure smooth operations across your edge and distributed data center environments. Dell services simplify the complexity of enterprise edge setup, including developing application blueprints for NativeEdge, expediting the time-to-value of your overall edge and distributed data center strategy.

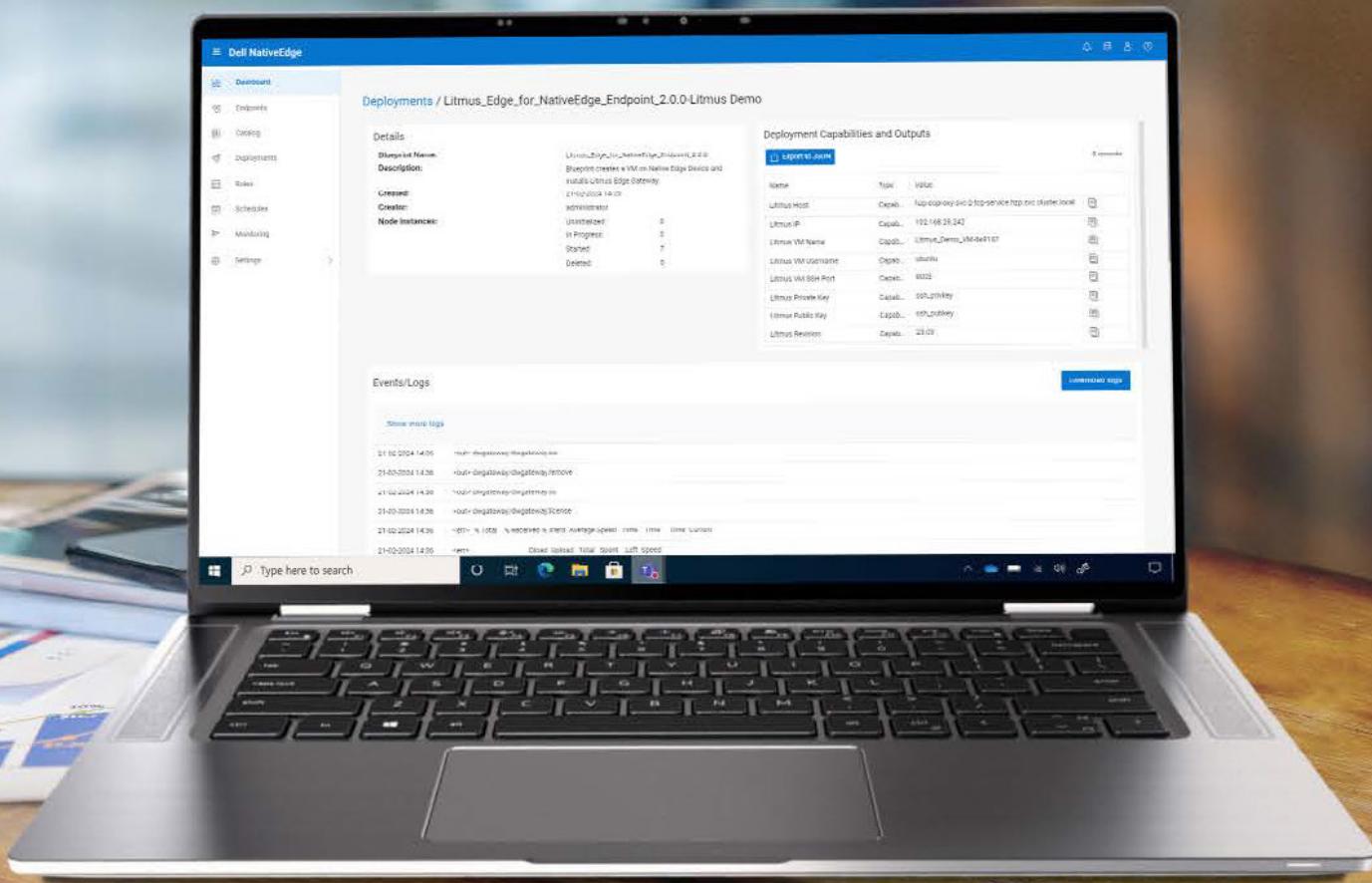
<sup>1</sup>Based on Dell Technologies internal analysis, May 2024



# Optimize for AI

Dell NativeEdge transforms distributed operations into secure, scalable, and intelligent extensions of your enterprise. With its open, vendor-neutral design, NativeEdge simplifies management, consolidates technology silos, and optimizes IT costs, all while leveraging your existing investments.

## Innovate wherever you operate



# DELL Technologies

Learn more about [Dell.com/NativeEdge](https://www.dell.com/NativeEdge)