DELLTechnologies

Built for the Future of Multicloud

Dell APEX Cloud Platform for Microsoft Azure brings the simplicity of Azure operations on premises and to the edge.

■ Microsoft

Today's IT Landscape Is More Complex Than Ever

The IT landscape for enterprise organizations presents unprecedented levels of complexity in today's fast-paced business world. Organizations are generating, collecting, storing and sharing data across diverse locations within their operational footprints, including branch offices, satellite healthcare facilities, distribution centers and points of purchase, in addition to core data centers. And they need to effectively use the full potential of their data, wherever it's located.

Organizations need to provide new and innovative applications and services quickly to optimize operations, be more agile and gain a competitive edge. Many are adopting a multicloud strategy to power their innovations and accelerate application roll-out. However, if not done right, multicloud computing can lead to more complexity, spiraling costs and suboptimal business outcomes.

Dell's multicloud-by-design approach to hybrid and multicloud deployments is designed to address common pitfalls and limitations as customers embark on their hybrid and multicloud journey. With this strategy, organizations can utilize public cloud and on-premises resources flexibly to support their application needs. This helps ensure operational efficiency and enables organizations to navigate rapid development and deployment cycles with ease. By taking these approaches, organizations can achieve agility, efficiency and responsiveness to meet dynamic business demands.

Barriers to Innovation with Multicloud

Management complexity

Limited multicloud visibility
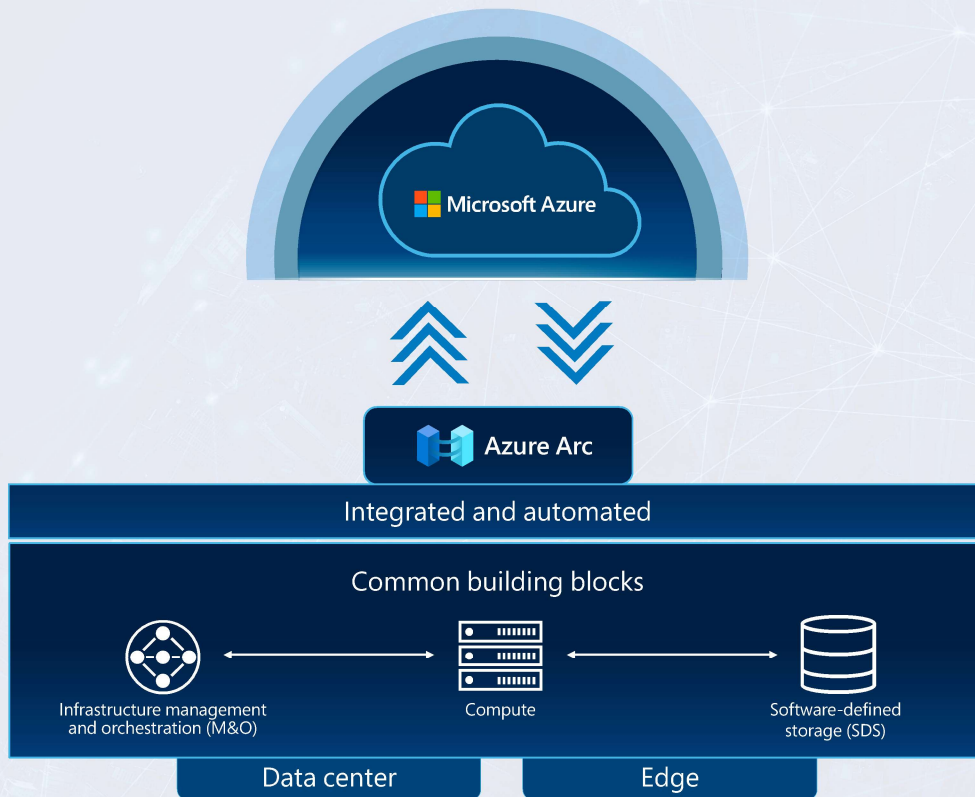
Unpredictable cloud costs

Skills gaps

Inconsistent security and compliance

Unlock Innovation Across Azure Hybrid Cloud

Extend your Azure cloud deployments on premises with Dell APEX Cloud Platform for Microsoft Azure, a purpose-built integrated platform that delivers a consistent management experience across clouds. This platform is collaboratively built with Microsoft to optimize the Azure hybrid cloud experience for enterprises.

Through extensive integrations and numerous automations, the platform empowers IT organizations to bridge the cloud divide and unleash application value while hardening security and governance.

APEX Cloud Platform for Azure is built collaboratively with Microsoft for optimizing Azure hybrid cloud.

Bridge the Cloud Divide

Dell APEX Cloud Platform Foundation Software provides deep, cross-layer integrations and intelligent automation that simplify initial deployments and cluster creation, in addition to streamlining ongoing operations across the complete technology stack.

IT admins can also use familiar tools, such as Windows Admin Center and the Azure portal, for a simple, consistent and centralized way of operating dispersed Azure deployments. With the Dell APEX Cloud Platform Foundation Software, organizations benefit from consistent operational experience across their IT footprints.

Unleash Application Value

The platform empowers organizations to innovate faster by boosting DevOps productivity and IT agility with a responsive cloud operational model that's delivered on premises. Designed to support containerized apps alongside virtualized workloads, the platform accelerates app modernization and DevOps initiatives by optimizing delivery of Azure Kubernetes Services (AKS) and other Azure Arc–enabled app and data services on premises.

API-driven programmability also enables simpler DevOps and app workflows. Data center and edge-optimized node configurations with flexible compute, storage and graphics processing unit (GPU) resources help address a broad set of workloads across data centers and edge locations, helping to drive innovation everywhere.

Harden Security and Governance

Dell APEX Cloud Platform for Microsoft Azure mitigates potential security and compliance risks effortlessly by integrating with Azure management and governance services. IT can use the centralized Azure portal to enforce consistent full-stack security and governance policies across locations, including edge deployments. Dell APEX Cloud Platform for Azure takes a full-stack approach to security with sophisticated controls and multilayered protection from security threats.

Advanced lifecycle-management capabilities help ensure that the full technology stack always remains in compliance and up to date. Furthermore, by delivering developer-friendly app and data services on premises, application teams can avoid data and application sprawl across insecure or noncompliant locations.

A Hybrid Cloud Platform Ready for Multiple Use Cases

Dell APEX Cloud Platform for Microsoft Azure can help organizations reach their business and operational goals in a variety of ways:

› **Modernize infrastructure.** Organizations can update and refresh hardware with a modern, standards-based infrastructure that supports both virtual machines (VMs) and containers.

› **Accelerate app modernization.** Azure Arc−enabled services, combined with extensive automation capabilities, empower IT to simplify DevOps and accelerate container adoption.

› **Optimize data-intensive workloads.** Supercharge the workloads that power your enterprise. With a solution that delivers outstanding transactional and throughput performance that can scale linearly, IT organizations can optimize workloads ranging from traditional and cloud-native databases to modern AI, machine learning (ML) and analytics apps.

› **Gain data insights faster.** IT teams can help customers get insights from data faster with AI/ML through centralized management, scalable throughput and input/output (I/O) performance and broad GPU support to enhance infrastructure performance.

› **Simplify virtual desktop infrastructure (VDI) management.** The turnkey solution optimizes the delivery of Azure Virtual Desktop service on premises, enabling IT organizations to simplify their VDI initiatives and enhance data security.

› **Gain insights from the edge.** With consistent delivery of Azure Arc−enabled services, centralized management and governance through the Azure portal and node configurations optimized for edge deployments, IT organizations can uncomplicate the edge and ensure operational simplicity.

Flexible Configurations for Data Center, Edge and Remote Office/Branch Office (ROBO)

	Dell APEX Cloud Platform MC-660	**Dell APEX Cloud Platform MC-760**	**Dell APEX Cloud Platform MC-4000x/45x0x***
Form factor	› 1U rack mount › All flash, all NVMe	› 2U rack mount › All flash, all NVMe, hybrid	› 2U rack or flex mount › Multi-node chassis › Ruggedized
CPU cores	› 4th Gen Intel Xeon Scalable processors with up to 112 cores	› 4th Gen Intel Xeon Scalable processors with up to 112 cores	› 3rd Gen Intel Xeon Scalable processors with up to 20 cores
Memory	› Up to 8 TB	› Up to 8 TB	› Up to 512 GB
Storage options	› Up to 153 TB solid-state drive (SSD) capacity	› Up to 184 TB SSD capacity › Up to 240 TB hard-disk drive (HDD) capacity	› Up to 11.5 TB › Expandable to 34.5 TB
GPUs	› Up to two single-wide	› Up to six single-wide › Up to two double-wide	› Up to two single-wide › Single double-wide

*Available in Q1 2024.

Get Ready for Optimal Cloud Experiences

Dell APEX Cloud Platform for Microsoft Azure is the result of extensive engineering collaboration between Dell Technologies and Microsoft.

This turnkey platform provides deep integrations and intelligent automation between layers of the Dell Technologies and Microsoft technology stack, accelerating time-to-value while eliminating complexity and boosting IT agility and productivity. Centralized app, data, management and governance services delivered via Azure simplify app environments while delivering consistent management and governance across locations.

With Dell APEX Cloud Platform for Microsoft Azure, organizations can efficiently drive innovation everywhere.

Take control of your hybrid multicloud infrastructure today with Dell Technologies and Microsoft.

Learn more at www.dell.com/APEX-cloud-platforms.

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Microsoft Azure   Bring the cloud to your on-premises environment with Azure Stack HCI.