Dell Integrated System for Microsoft Azure Stack HCI
Streamline the Azure multi-cloud experience

Azure Stack HCI

HCI
Simplify Azure On-Premises

Operational Efficiency

82%

Reduction in manual steps*

40%
Reduction in required maintenance*

99.999%
Hardware availability is design to meet*

"Dell was our launch-day partner when we introduced Azure Stack HCI back in December 2020…. Our joint success is founded in a commitment to innovation and making hybrid cloud simple and consumable for customers." – Talal Alqinawi, Senior Director, Product Marketing – Azure at Microsoft
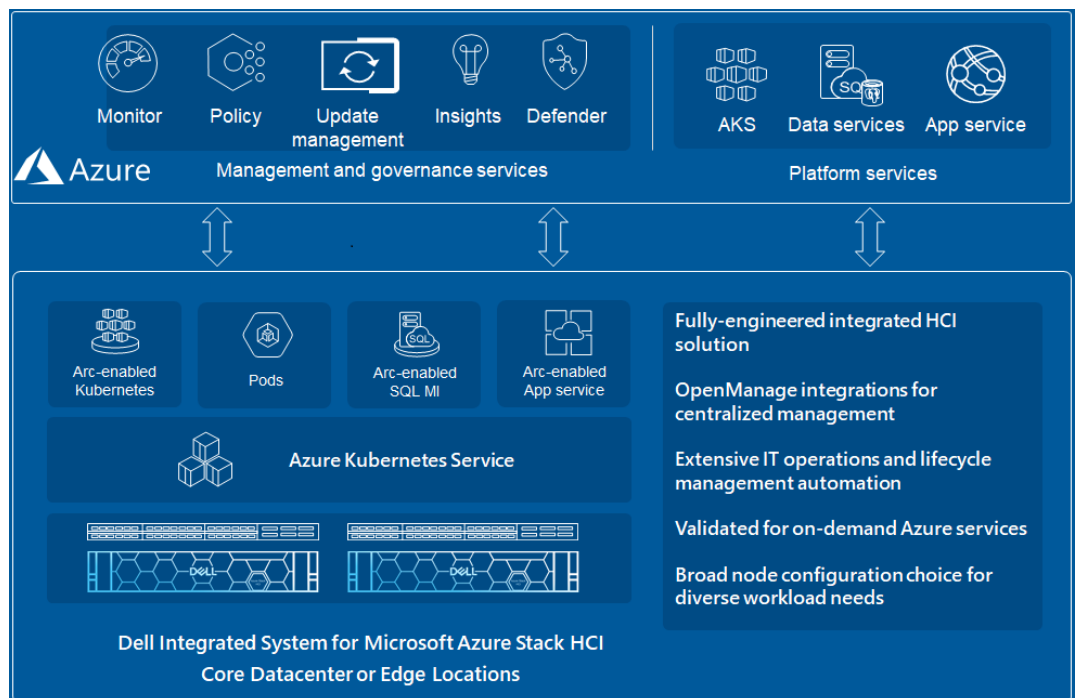
With the need to boost agility and be more responsive to changing business needs, many organizations are adopting a multi-cloud approach to their IT infrastructure. Increasingly, organizations are managing IT infrastructures that span locations – multiple cloud instances, core datacenters and expanding Edge deployments. While the cloud has been instrumental in building a responsive IT strategy, the proliferation of locations and instances has created management and compliance complexities.

Microsoft's comprehensive Azure cloud strategy is designed to not only address the need for agile cloud-based IaaS requirements, but also simplify management, security and compliance of distributed IT assets, whether in the cloud or your on-premises core or Edge infrastructure.

Dell Integrated Systems for Microsoft Azure Stack HCI, is a complete system, fully engineered and tightly integrated infrastructure platform for on-premises deployments. Designed to streamline your Azure multi-cloud ecosystem and deliver seamless Azure experience, allows you to deploy anywhere.

Streamline Azure Multi-Cloud Ecosystem with Dell Azure Stack HCI
Dell Azure Stack HCI designed to streamline Azure by providing tools to deliver a seamless Azure experience across distributed locations while optimizing and simplifying Azure operations on-premises, and accelerating innovation that fuel business.

* Internal Dell Technologies lab review of OpenManage integration with Windows Admin Center. Taken from *Dell EMC Solutions for Microsoft Azure Stack HCI: Life Cycle Management Approach Comparison Benefits of Automating the Azure Stack HCI Hardware Update Process*, August 2020

Deliver Seamless Azure Experience

Dell Integrated System adds unique software-driven integrations with Azure that simplify operations across distributed locations, whether in your datacenter or dispersed Edge locations.

Through enhancements to Dell OpenManage Integration with Windows Admin Center, Dell Azure Stack HCI enables Azure Arc to serve as the centralized control plane for distributed Azure Stack HCI deployments. Customers can monitor the health of the Azure Stack HCI infrastructure, perform operational tasks such as on-premises cluster creation and expansion, enforce consistent compliance policies across locations, and remediate any drift from the defined policies in the event of non-compliance – all through the central Azure Arc control plane. Azure Arc on-demand services such as Azure Kubernetes Service (AKS), SQL Managed Instance (SQL MI), Artificial Intelligence (AI), Machine Learning (ML), and Azure Virtual Desktop (AVD) are seamlessly and consistently delivered to your distributed Azure Stack HCI deployments.

Simplify Azure On-Premises

While many of our customers have adopted Cloud as a strategic imperative for building agile, flexible, responsive IT operations, they often take a hybrid cloud approach to infrastructure. Many of the workloads continue to reside on-premises due to the requirements around performance, data locality, security and compliance. The Integrated System approach Dell has taken to delivering on-premises Azure Stack HCI infrastructure eliminates many of the common pit falls of assembling their own systems. The Dell Azure Stack HCI infrastructure is delivered as a fully engineered, integrated solution that is supported and updated as an integrated system, simplifying deployments, day to day operations and ongoing lifecycle management.

Additionally, through numerous integrations and native capabilities, Dell ensures consistent security and compliance policies across dispersed location through the centralized Azure Arc control plane. These integrations also streamline and centralize management across these locations, while extensive IT operations and life cycle management automation further simplifies IT operations and boosts IT staff productivity.

Accelerate Innovation

Azure Arc also transforms application delivery through a hybrid, on-demand services such as AKS, SQL MI, AI, ML, AVD. These services simplify deployments by eliminating complex setup and maintenance tasks while ensure your data resides in your datacenters. Dell has validated and optimized these services so our customers can utilize them predictably and efficiently. With this, you can simplify your service roll out while keeping control of your data.

Deploying application workloads requires aligning hardware with application performance requirements. Dell Azure Stack HCI offers a wide choice of Dell's AX node configurations to optimize your application workload requirements. Customers can choose between 1U and 2U nodes, Intel or AMD CPUs, with broad options of core densities, multiple memory configurations, and choice of GPU resources, thus optimizing workload deployments.

Dell is your trusted partner in your multi-cloud journey with support and service offerings that include ProDeploy to accelerate time to value, ProSupport for ongoing support for both hardware and software, and a broad range of professional services to accelerate your business success. Additionally through APEX Flex on Demand, you can adopt consumption-based OPEX operating model that aligns with your usage patterns.

Streamline your Azure Ecosystem with Dell Azure Stack HCI

Dell Azure Stack HCI streamlines Azure hybrid cloud by providing tools and integrations to deliver a seamless Azure experience across distributed locations. It optimizes and simplifies Azure operations on-premises by providing a fully engineered tightly integrated solution that offers comprehensive IT operations and lifecycle management automation. It helps you accelerate workload deployments that drive innovation by optimizing wide range of on-demand Azure application services while providing broad configuration choice to optimize workload outcomes. With Dell Azure Stack HCI, you can adopt multi-cloud strategies that support your business objectives while slashing complexity and ensuring data security.