

Dell Edge Compute for Communications Service Providers

Simplify edge strategy with centralized automation and management
Streamline with Dell's flexible validated edge HCI, private wireless and SD-WAN solution

Executive Summary

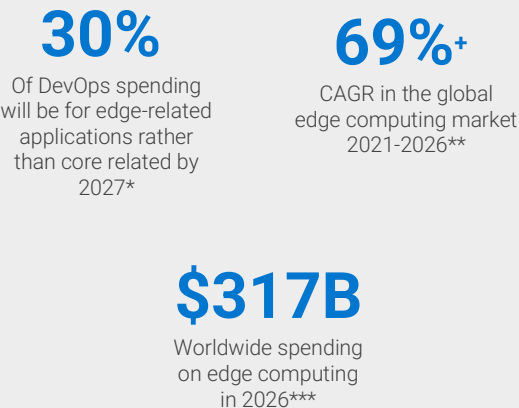
Installed on-premises at the far edge where data is created, Dell Technologies edge compute generates immediate, essential value, such as in real-time data, as well as in a consistent HCI platform integrated for edge compute. This managed edge solution consolidates isolated workloads by providing a consistent platform for intelligent traffic control and data processing.

Additionally, it acts as a gateway for IoT and private mobility. Finally, this managed edge solution connects the designated devices to the cellular network and routes data traffic, based on parameters set by the customers' business.

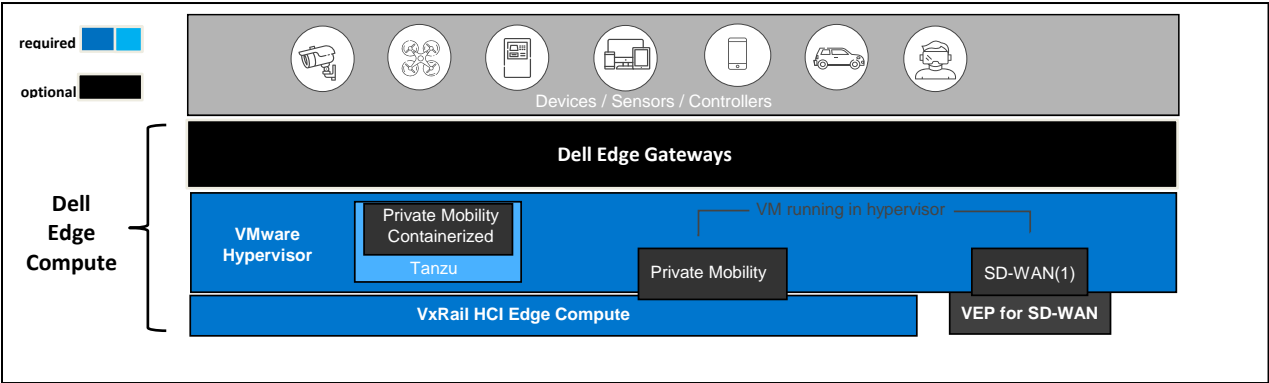
Solution Spotlight

Dell edge compute enables a private network of virtualized platforms to maximize infrastructure automation, centralized control and management for edge compute and private mobility. This helps bring cloud computing capability to the on-premises network edge, allowing you get the most out of cellular-reliant devices and local cellular network.

Key Takeaways



* IDC FutureScape: Worldwide Developer and DevOps 2023 Predictions (IDC #US48597522, October 2022)
** TBR – Private Cellular Network Forecast, July 25, 2022
***IDC Press Release, New IDC Spending Guide Forecasts Edge Computing Investments Will Reach \$208 Billion in 2023, February 2023



1. This requires Versa Hosted and Managed Head-End Service to manage edge nodes.

Solution Spotlight

Solution Features	
Virtualized Platform	Consolidation of IaaS with virtualized platform for HCI, RAN & core for private mobility and SD-WAN
Address Privacy Concerns	Localize business-critical data to help meet security and privacy requirements, further enabled by leveraging virtualized private mobility
Flexible purchasing models	Order, operate and optimize with just a few clicks, on the Dell APEX console; or buy through other flexible commercial models, CapEx, Flex-on-Demand, or as subscription
Consistent Multi-Cloud Operations	VxRail management framework for security, network, lifecycle-management, and workload mobility across the far-edge and near-edge with Tanzu
Cloud Connectivity	Seamless connectivity to partner and cloud infrastructure and services
Time to Value	Get up and running in production rapidly

Key Points – Why Choose Dell Technologies?	
Wireless Connectivity & Coverage	A cost-effective way to consolidate, scale workloads and add a secure cellular private network through centralized control & management of HCI platform for RAN, core networks and compute at the edge for data analytics
Ultra-Low Latency	Dell telco-grade HW/SW designed and optimized for edge applications supporting ultra-low latency required for near real-time data processing
Privacy and Security	A private and secure environment to run critical enterprise applications on Dell HCI platforms
Integrated Edge platform	Dell edge compute and private wireless (RAN/Core) solutions accelerate time to value with pre-integrated and validated solutions. Leveraging 5G plus edge computing helps drive meaningful service revenues and faster ROI.
Customizable	An application ready platform that can be custom tailored to support any workload
IaaS Leader	Dell products and solutions are designed for the enterprise businesses, and provide worldwide support & services to many industries, multi-cloud, and at the edge
Extendibility & Localization	Helps support the ability to extend cloud-based applications to the local environment