







What is HPE Nimble Storage dHCI?

HPE Nimble Storage dHCI is an intelligent platform with the flexibility of converged and the simplicity of HCI. It disaggregates compute and storage and integrates hyperconverged control to give enterprises simple infrastructure management on a flexible architecture. Built with HPE ProLiant and HPE Nimble Storage, this platform provides the flexibility to scale compute and storage independently for unpredictable growth and the data resiliency and performance needed for business-critical apps.

With six-nines measured availability, customers no longer have to worry about constantly fighting IT fires such as outages or application disruptions and can instead focus on growing their business. Low-latency performance enables even large virtual machines to be deployed safely, and efficiency is maintained even for unpredictable growth with independent scaling of compute and storage capacity. The ability to consolidate more VMs per HPE Nimble Storage dHCI server node lowers virtualization costs, while the ability to manage HPE Nimble Storage dHCI from vCenter allows users to focus less on managing infrastructure and more on managing their business.



HPE Nimble Storage dHCI

Why M-Series Ethernet Switches for HPE Nimble Storage dHCI?

Switching solutions in HPE Nimble Storage dHCI environments must accommodate both compute and storage traffic and therefore require high-bandwidth, non-blocking, and consistently low latency. M-series offers an incredibly diverse and attractive feature set suited for the HPE Nimble Storage dHCI solutions. It provides shared buffer space to balance port speed and throughput capabilities to manage fairness, a unique half-width form factor that maximizes rack space, and flexible port count choice. Powered by NVIDIA® Mellanox® Spectrum® switch silicon, this switch architecture is ideal for new, modern workloads like software defined storage (SDS), Hyperconverged Infrastructure (HCI) and Cloud computing environments.

The Mellanox Spectrum® Open Ethernet family includes a broad portfolio of fixed form factor switches, ranging from 16 through 128 ports and with speeds from 1Gb/s to 100Gb/s, allowing the construction of purpose-built data centers at any scale with any desired blocking ratio.



HPE SN2010M

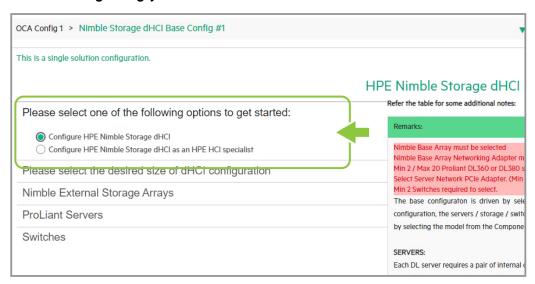
Top 7 Reasons Why M-Series for HPE Nimble Storage dHCI

1	Cost-Optimized	Reduce upfront costs with ½ width and ½ port-enabled options Optimize Cost Per/Port with Fewer Unused/Stranded Ports		
2	Form Factor & Scalability	Deploy (2) half-width SN2010M or (2) full-width SN2410M for full redundancy in a rack unit		
3	Flexible Pricing	Flexible purchase options (CapEx or OpEx)		
4	Investment Protection	Support for commonly connected 10, 25, 40 and 100GbE spanning multiple generations of server/storage solutions, optimized for HPE Nimble Storage iSCSI traffic		
5	Storage Optimized	Optimized for Block storage traffic Flexible 16MB Shared Buffer (Spectrum) and Flexible 42MB Shared Buffer (Spectrum-2)		
6	Performance	High Performance (up to 100GbE), Ultra-low-latency (300 nanoseconds), Zero-Packet-Loss Most switch ASICs average 800-1200ns latency with packet loss*		
7	Support	Nimble Support takes first support call for HPE Nimble Storage, Nimble Storage dHCI, HPE ProLiant DLs and HPE M-series Ethernet Switches		
		 Comprehensive, proactive support Dedicated experts Centralized management and reporting Frees up IT resources Rapid incident resolution 		

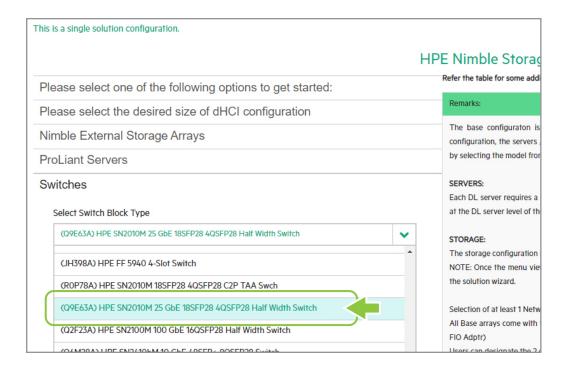


SN2410M

See how easy it is to select the M-series switch when configuring your dHCl solution:



^{*}Tolly Report, March 2016 "Mellanox Spectrum vs. Broadcom StrataXGS Tomahawk 25GbE & 100GbE Performance Evaluation Evaluating Consistency & Predictability"



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