



XC Core Node Comparisons

	XC640-4(i)	XC640-10	XC740xd-24	XC740xd-12	XC740xd-12C	XC740xd-12R	XC940	XC6420	XCXR2	XC740xd2	XC-6515
Form factor	1U, 1 node	1U, 1 node	2U, 1 node	2U, 1 node	2U, 1 node	2U, 1 node	3U	2U, 4 node	1U, 1 node	2U	1U, 1 node
PowerEdge server platform	R640	R640	R740xd	R740xd	R740xd	R740xd	R940	C6420	XR2	R740xd2	R6515
Cores	24 - 56	24 - 56	24 - 56	24 - 56	16-24	16-24	48 - 112	48 - 56	24 - 56	24 - 44	up to 64
Memory	64 GB - 1.5 TB (XC640-4) and 64 GB - 384 GB (XC640-4i)	128 GB - 1.5 TB	64 GB - 1.5 TB	128 GB - 1.5 TB	64 GB - 768 GB	64 GB - 768 GB	1024 GB - 4 TB	128 GB - 1 TB (per node)	64 GB - 1.5 TB	64 GB - 1024 GB	128GB - 1TB
Hybrid storage capacity	24 TB	27 TB	60 TB	60 TB	60 TB	60 TB	60 TB	16 TB	22 TB	240 TB	1.2TB, 2.4TB
All-flash storage capacity	15 TB	38 TB	60 TB	46 TB	46 TB	45 TB	60 TB	19 TB	30TB	N/A	30TB
Use cases	Virtualized apps, remote office, branch office, non mission critical (xc640-4i single node deployment)	VDI, test/dev, private cloud, virtualized apps, remote office, branch office	High performance Microsoft SQL, Oracle OLTP	Storage-heavy Exchange, Share-Point, big data	Storage capacity node for cluster with any supported hypervisor; does not run workload VMs or virtual desktops	Single Node Replication Target (not clustered)	Memory and performance-intensive SQL and Oracle OLTP	Rack-dense VDI, service providers, enterprise cloud	Ruggedized, short depth for extreme environments	Dense, high-capacity node option for file and object workloads	High-performance multi-thread architecture AMD single-socket for Edge, database, VDI and ROBO