

HYPERCONVERGED: CISCO UCS C220 M4



REFERENCE BLUEPRINT

Create your own Hyperconverged Infrastructure

ATLANTIS USX™ 



Cisco UCS C220 M4



SIMPLICITY

- Replace costly SAN / NAS
- Server based storage
- **100% software solution**



LOWER COST

- 64% lower cost than hybrid hyperconverged
- 80% lower cost than traditional storage + compute



PERFORMANCE

- All-Flash performance using server flash and RAM
- High performance deduplicated clones and replication



SCALABILITY

- Scale-out linearly
- Scale-out performance and capability with every appliance
- Data protection across the cluster

HOW DOES HCI USING ATLANTIS USX COMPARE?

VS HYPERCONVERGED
APPLIANCE

48%

SAVINGS WITH
ATLANTIS USX



VS TRADITIONAL
STORAGE + COMPUTE

64%

SAVINGS WITH
ATLANTIS USX



CONFIGURATION	4TB	12TB	24TB
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COMPUTE			
Nodes	Two	Four	Four
Form Factor	2U	4U	4U
Server Compute (per node)	Cisco C220 M4 Rack Server Two Intel Xeon E5-2680v3 CPUs 24 cores per node		
Memory (per node)	256GB - 768GB		
Networking (per node)	2x 10GbE SFP+ & 2x 1GbE ports		
Hypervisor	vSphere 5.5 U3, vSphere 6 U1, XenServer 6.5 SP1, XenServer 7		

STORAGE			
Effective storage capacity	4 TB	12 TB	24 TB
Local Flash Storage (per node)	4x 800GB SSDs	4x 800GB SSDs	7x 800GB SSDs
Storage Resiliency Policy	HA Enabled with Single Host Failure Protection		

GENERAL PURPOSE SERVER VIRTUAL MACHINE DENSITY (2 VCPU, 4GB RAM, 50GB)			
Server VMs (Per 4-Node Appliance)	80	170	365

VIRTUAL DESKTOP DENSITY (4TB / 12TB / 24TB)			
Maximum Number of Virtual Desktops (Per 4-Node Appliance)	Task Worker (20GB, 1vCPU, 1.5GB RAM LoginVSI Task Worker)	Knowledge Worker (50GB, 2vCPU, 2GB RAM LoginVSI Knowledge Worker)	Power User (100GB, 2vCPU, 4GB RAM LoginVSI Storage Workload)
Stateless VDI	300 / 800 / 800	240 / 600 / 600	120 / 300 / 350
Persistent VDI	150 / 450 / 800	120 / 350 / 600	60 / 175 / 350

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