

HYPERCONVERGED:  
**HP PROLIANT DL360 GEN9**



REFERENCE BLUEPRINT

Create your own **Hyperconverged Infrastructure**

**ATLANTIS USX™** 

**HP ProLiant DL360 Gen9**

  
**Hewlett Packard  
Enterprise**



**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

**65%**

SAVINGS WITH  
ATLANTIS USX



VS TRADITIONAL  
STORAGE + COMPUTE

**80%**

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)	HP ProLiant DL360 Gen9 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)	3x 800GB or 4x 800GB SSDs	3x 800GB or 4x 800GB SSDs	3x 1.6TB or 4x 1.6TB 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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