

Suggested Specifications

Here are specifications for OnApp.

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Need more help?

With the full version of OnApp Cloud you get free support from our integrations team to spec the exact hardware you'll need for your cloud deployment.

See also:

[Server Config Reminder](#) - supported versions of the servers




[Supported Functionality](#)

[Software Requirements](#)

[Recommended Network Configurations](#)

[Types of Cloud Service with OnApp](#)

Suggested Specifications

		Small Production Cloud	Medium Production Cloud	Enterprise Cloud
OnApp License		Starter Package + Integrated Storage (add on)	Professional package	Enterprise Package
Number of Control Panel (CP) Servers		1	1	3
Separate Database Server /Cluster		No	No	Optional
Dedicated Backup Servers		1	1	2
Number of Compute Resources (XEN/KVM)		3	8	16
Compute Resource Type (Static / Cloudboot)		Cloudboot	Cloudboot	Cloudboot
CP Server 	Processor	2 x 8 Core CPUs eg. Xeon e5-2640 v3	2 x 8 Core CPUs eg. Xeon e5-2640 v3	2 x 8 Core CPUs eg. Xeon e5-2640 v3
	Memory	16GB RAM	32GB RAM	64GB RAM
	Disks	2 x 400GB SSD	4 x 100GB SSD	4 x 100GB SSD
	RAID Configuration	RAID 1	RAID 10	RAID 10
	Network Adapters	Quad port 1Gbp NIC	Dual port 1Gbps + Dual Port 10Gbps eg. Intel I350 + X520	Dual port 1Gbps + 2 x Dual Port 10Gbps eg. Intel I350 + 2 x Intel X520
Backup Server 	Processor	2 x 8 Core CPUs eg. Intel Xeon e5-2620 v3	2 x 8 Core CPUs eg. Intel Xeon e5-2620 v3	2 x 8 Core CPUs eg. Intel Xeon e5-2620 v3
	Memory	32GB RAM	32GB RAM	32GB RAM
	HDDs	12x2TB SAS	12x2TB SAS	12x2TB SAS
	RAID	RAID10	RAID10	RAID10
	Network Interfaces	Dual port 1Gbp Intel NIC + Dual port 10Gbps Intel NIC	Dual port 1Gbp Intel NIC + Dual port 10Gbps Intel NIC	Dual port 1Gbp Intel NIC + Dual port 10Gbps Intel NIC
Compute Resource 	Processor	2 x 8 Core CPUs eg. Xeon e5-2640 v3	2 x 8 Core CPUs eg. Xeon e5-2640 v3	2 x 8 Core CPUs eg. Xeon e5-2640 v3
	Memory	128GB	256GB	256GB
	HDDs	8 x 400GB SSD	8 x 400GB SSD	8 x 400GB SSD
	RAID Controller	PCIe gen3 eg. PERC H730, 1GB cache	PCIe gen3 eg. PERC H730, 1GB cache	PCIe gen3 eg. PERC H730, 1GB cache
	RAID Configuration	JBOD	JBOD	JBOD
	Network Interfaces	Dual port 1Gbps + Dual Port 10Gbps eg. Intel I350 + X520	4 x 10Gbps eg.	4 x 10Gbps

iSCSI SAN	Type	Optional Dual-Controller Hardware SAN	Optional Dual-Controller Hardware SAN	Optional Dual-Controller Hardware SAN
	HDDs	12+ x SSD	12+ x SSD	12+ x SSD
	RAID Configuration	RAID10	RAID10	RAID10
Network Hardware		Switch with: 48 x 1GbE ports, 4 x 10GbE ports. High performance switch with: 48 x 10GbE ports, 4 x 40 GbE ports	2 x High performance switch with: 48 x 10GbE ports, 4 x 40 GbE ports	2 x High performance switch with: 48 x 10GbE ports, 4 x 40 GbE ports

Storage Hardware Requirements

If you are going to use OnApp [Integrated Storage](#), make sure to meet the following requirements:

Integrated Storage Platform	Local Storage Only	Enterprise SAN
<ul style="list-style-type: none"> • Integrated Storage can group together any number of drives across any compute resource. We strongly recommend a minimum of 2 drives per compute resource to enable redundant data store configurations. • at least 1 dedicated NIC assigned per compute resource for the storage network (SAN) • IGMP snooping must be disabled on storage switch for storage network 	<ul style="list-style-type: none"> • minimum 1 dedicated partition in each compute resource • separate disk from the primary OS drive <i>recommended</i> 	<ul style="list-style-type: none"> • centralised Block Storage SAN (iSCSI, ATA over Ethernet or Fibre Channel) accessible to every compute resource • at least 1 dedicated 1Gbit/s NIC assigned per compute resource for the SAN • multiple NICs bonded or 10Gbit/s ethernet <i>recommended</i>