

vSAN Server Pack - General Purpose

vSAN Server Pack: 5 ESXi Servers approx 29 VMs each server

Raw Storage: 35.19 TB

Usable Storage: 23.06 TB

Best Match ReadyNode™ Profile: AF-4

Host Specification



Cores 24



RAM (GB) 384 GB



Raw Cache per host 200 GB



Raw Capacity per host 7.04 TB



Effective Usable Capacity 4.61 TB



Disk Groups 2

Diskgroup specification @ 2 disk groups

Cache specifications :

Performance Class: Class F: 100,000+ writes per second

Cache drive size : 100 GB

Endurance Class: Endurance Class B >=1825 TBW

Capacity specifications :

Performance Class: Performance Class C or above

Raw Capacity per host : 3.52 TB

Endurance Class: Endurance Class A or above

Additional Info

vSAN version used for Sizer logic : vSAN 6.6

Controller specification : Latest generation controllers with queue depth >= 512, pass-through preferred

Object Replication Method : Profile 1 : RAID-5

License Required : Advanced License

Sizing Assumptions

Assumes 24 drives per server

Max memory per server : 384 GB

CPU Clock speed of 2.3 GHz

VM distribution per server is shown approximate to account for asymmetric VM distribution scenarios

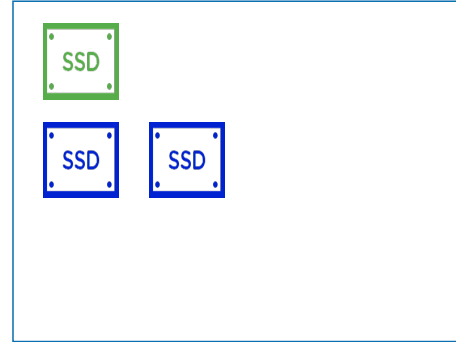
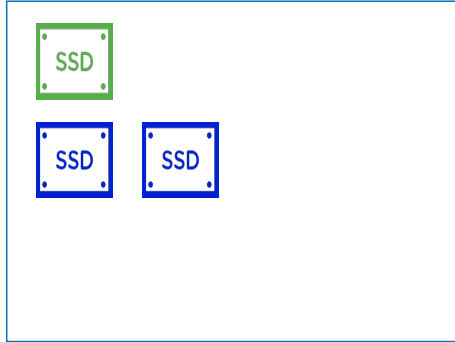
Disk Layout per Host Diagram



Capacity Drive (1.9 TB)



Cache Drive (200 GB)



Inputs :

Storage Per Vm (GB) : 159

Additional Inputs :

vCPU / Core : 4

vCPU / VM : 5

vRAM / VM (GB): 16

IOPs / VM : 100

Host failures to tolerate : 1

Expected Dedup ratio : 1.5

Fault Tolerance Method : RAID-5

IO profile information :

IO Access pattern : Random

IO Size : 4 KB

R/W Ratios : 70/30
