

NetApp Fabric Attached Storage Controller "Maximums" Information

[illegible]

***2TB SATA Disk Notes:** Current 732TB capacity limits remain the same regardless of disk type with a few exceptions (302093050) so the use of 2TB SATA disks may reduce the overall supported spindle counts by up to half. For example, a controller supporting 1176 1TB SATA disks will only support 588 2TB SATA disks. If there are mixed disk sizes in use, you will need to use the following formula to calculate how many 2TB disks would be supported. **(# of 2TB Disks x 2) - Platform Max Spindle Count**. Also, special conditions may apply to Stretch MetroCluster and DC power system configurations.

Information According to Data OnTap 7.3.2 Documentation

													
FAS2020	FAS2040	FAS2050	FAS3020	FAS3040	FAS3050	FAS3070	FAS3140	FAS3160	FAS3170	FAS6030	FAS6040	FAS6070	FAS6080

Maximum volume size allowed for different storage systems, with and without deduplication

Maximum number of concurrent streams with NearStore license	
Model	Maximum number of concurrent transfers supported for SnapVault for NetBackup
FAS3020	32
FAS3040	64
FAS3050	64
FAS3070	128
FAS3140	64
FAS3160	128
FAS3170	128
FAS6030	96
FAS6040	96
FAS6070	128
FAS6080	128
R200 (no NearStore license)	128

Maximum volume size allowed for different storage systems, with and without deduplication			
Storage System Model	Maximum size of volume without deduplication (TB)	Maximum size of volume with deduplication (TB)	Total data size of volume with deduplication (TB)
FAS2020	16	1	17
FAS2040	16	3	19
FAS2050	16	2	18
FAS3020	16	2	18
FAS3040	16	4	20
FAS3050	16	3	19
FAS3070	16	16	32
FAS3140	16	4	20
FAS3160	16	16	32
FAS3170	16	16	32
FAS6030	16	16	32
FAS6040	16	16	32
FAS6070	16	16	32
FAS6080	16	16	32

Maximum FlexVol volume size for FlexClone files and FlexClone LUNs

Model	Max Concurrent Snap/Vault Targets
FAS2020	16
FAS2040	64
FAS2050	32
FAS3020	32
FAS3040	64
FAS3070	128
FAS3140	64
FAS3160	128
FAS3170	128
FAS6030	96
FAS6040	96
FAS6070	128
FAS6080	128
R200	128

Model	Maximum FlexVol volume size for FlexClone files and FlexClone LUNs (TB)
FAS2020	1
FAS2040	3
FAS2050	2
FAS3020	2
FAS3040	4
FAS3070	4
FAS3160	3
FAS3170	16
FAS6030	16
FAS6040	16
FAS6070	16
FAS6080	16
R200	4

* Maximum number of valid entries in `/etc/snapmirror.conf` is 1,024

Data ONTAP 7.3.2					
Disk Size	Disk Type	Data ONTAP 7.3.X/8.0.X			
		Data	RG Size	RGs	D+P
300GB	FC	61	18	4	69
450GB		40	12	4	48
600GB		29	17	2	33
300GB	SAS	61	18	4	69
450GB		40	12	4	48
600GB		29	17	2	33
500GB	SATA	39	15	3	45
750GB		26	15	2	30
1TB		19	12	2	23
2TB		9	11	1	11