

Device	Max LBA Count	Max Block Desc Count (in blocks)	Optimal Granularity (in blocks)	UGA Valid	Granularity Alignment (in blocks)

--					
naa.600507680281024430000000000000038	N/A				
N/A	N/A			N/A	N/A
naa.60060e8022ffff005041ffff00000000	4294967295				
1	512			False	N/A
naa.60060e8013eeee005020eeee00000300	4294967295				
1	86016			False	N/A
naa.514f0c5902200001	8192				
16	16			True	0
naa.514f0c50da000011	8192				
16	32			True	0
mpx.vmhba32:C0:T0:L0	N/A				
N/A	N/A			N/A	N/A
naa.60060e8022dddd005041dddd000000ff	4294967295				
1	512			False	N/A

naa.60060e8013cccc005020cccc00000310	4294967295		
1	86016	False	N/A

4. Verify "Optimal Granularity (in blocks)" parameter:
- 512 blocks refers to 256KB => HMO 114 = ON at ESX host boot.
 - 86016 blocks refers to 42MB => HMO 114 = OFF at ESX host boot.

Additional Notes

The Automatic UNMAP function is enabled by default for VMFS-6 datastores. Therefore you must ensure that HMO 114 is enabled before attaching LDEVs to ESX host or reboot all ESX hosts when HMO 114 was changed.

More details can be found in [Optimize Hitachi Storage and Compute Platforms in VMware vSphere Environments](#).

Employee Notes

"This option is used to change the value of OPTIMAL UNMAP GRANULARITY in Inquiry Page B0h Byte[28-31] as follows.

HMO114 = ON: Response of the field is 256 KB.

HMO 114 = OFF (default): Response of the field is 42 MB.

Note:

- (1) The option is applied to use Auto UNMAP with ESXi6.5 or later.
- (2) To enable the function, host mode option 63 must be set to ON.
- (3) After setting HMO114 to ON, make sure to perform an operation (such as a server reboot) leading to reissuing an Inquiry command from the host."

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