

# Example Pool Planner

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## hp OpenView storage virtual replicator

Name of computer/cluster	HQ cluster
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Name of pool	RAID Pool
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Type of storage unit (for example, standard disk, StorageWorks RAID array)	Capacity (MB)	Comments
RAID 5 array	8,678	
RAID 5 array	8,678	
Capacity of storage units (x)	17,356	

### Notes:

- Maximum number of storage units in a pool = 8
- ♦ All the storage units should be a similar type (RAID level and physical characteristics)

# Example Pool Planner

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## hp OpenView storage virtual replicator

Name of computer/cluster	HQ cluster
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Name of pool Capacity (x from page 1)	RAID Pool 17,356 MB
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				If you want snapshots of the virtual disk		
Description of data on virtual disk <sup>1</sup>	Name of virtual disk	Capacity of virtual disk (MB) <sup>2</sup>	Local drive letter	Number of snapshots <sup>3</sup>	Estimated space used by snapshots (MB) <sup>4</sup>	Local drive letters of snapshots
Accounts Department's data	Accounts Data	4,500	M	3	6,000	W, U, T
Engineering Department's data	Engineering Data	3,000	N	2	1,000	V, S
Capacity of virtual disks (y)		7,500	Capacity of snapshots (z)		7,000	

<b>Pool capacity</b> <sup>5</sup> = x × 0.9 (x from page 1)	15,620
<b>Space needed</b> = y + z (y and z from page 2)	14,500
Pool capacity – space needed = <b>Free space</b>	1,120

### Notes:

1. A pool can have a maximum number of 8 virtual disks.
2. Virtual disk capacity must be at least 10 MB, and cannot equal or exceed the free space in the pool.
3. A virtual disk can have a maximum number of 12 snapshots.
4. Snapshots consume space when the data on their parent disk is modified. The amount of space required for a snapshot depends on how much the data changes on the parent disk and how long the snapshot is retained. At worst, each snapshot could use as much space as the capacity of the parent.
5. Pool overhead accounts for 10% of the total capacity.