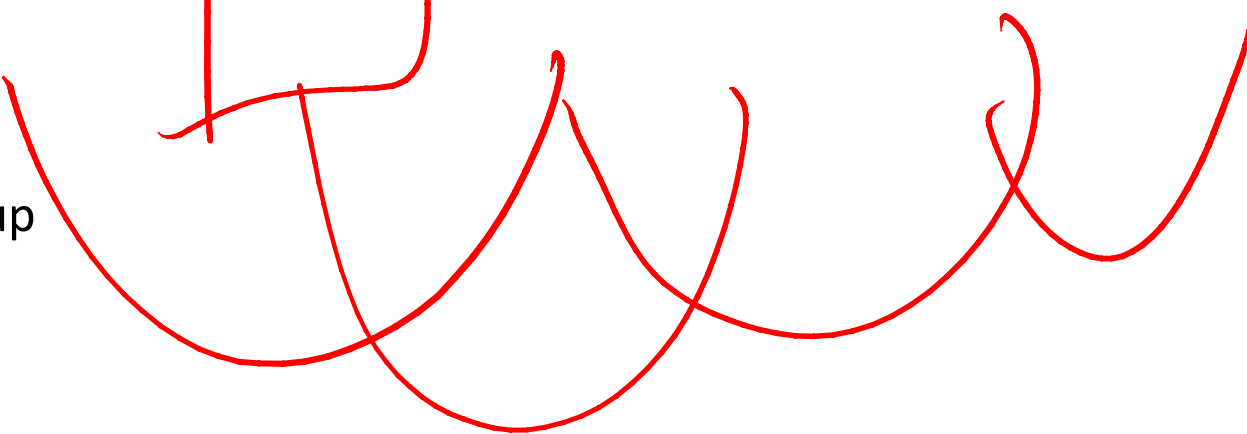
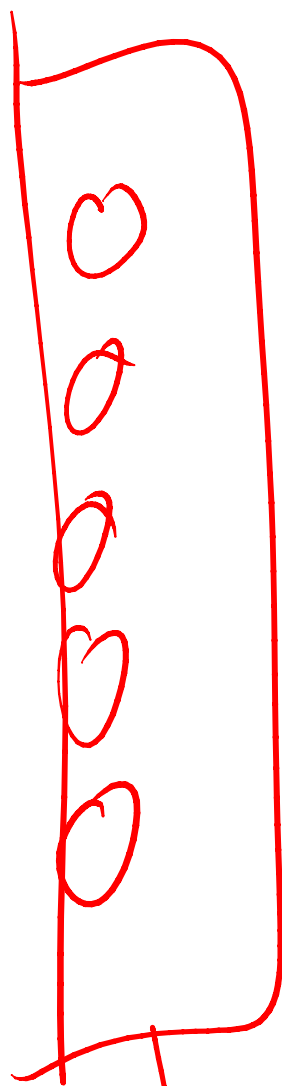
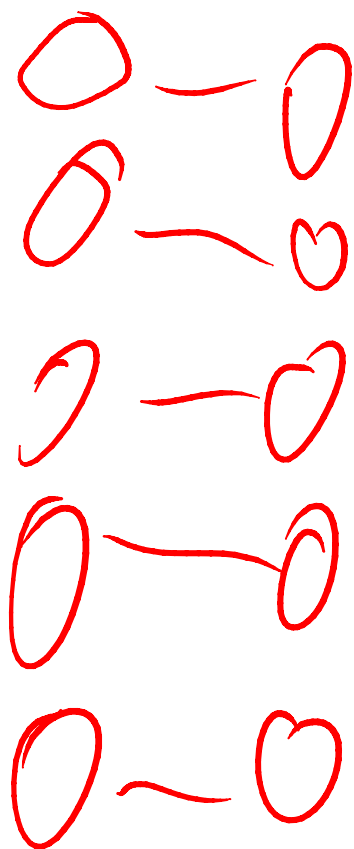


Redundant Mirrors



RAID 10 triple mirroring SAN setup

1GB OS

32GB

1GB 4-16GB

1GB 8GB > 64GB

4GB

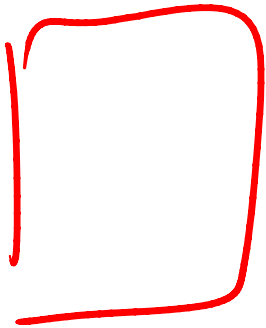
+1

+1

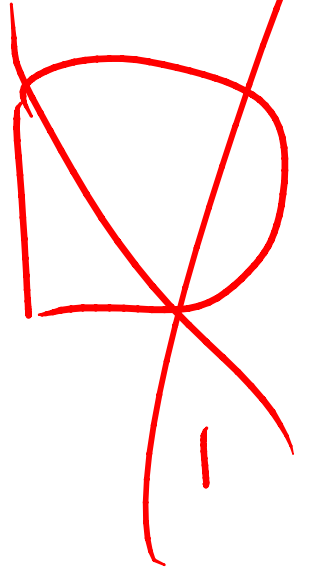
6GB

26GB

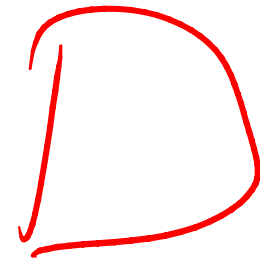
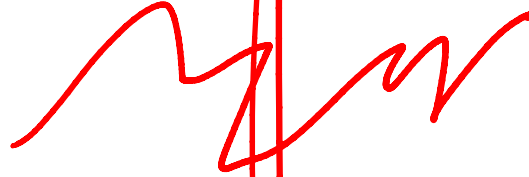
Max Server Memory calculations from
Troubleshooting SQL Server book.



1

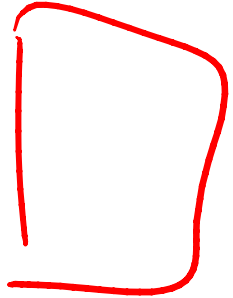


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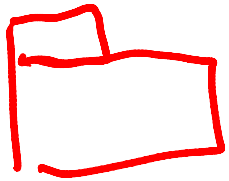
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1

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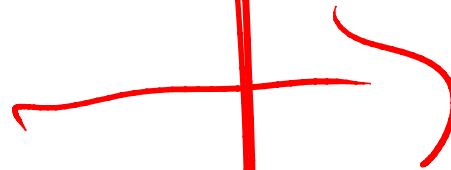
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3/3

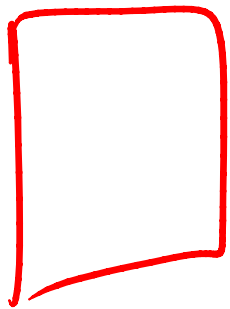
2/3

3/5

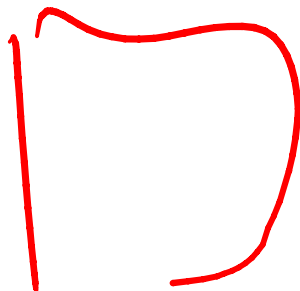
2/5



Node voting configuration for
quorum when remote nodes exist
in a DR site

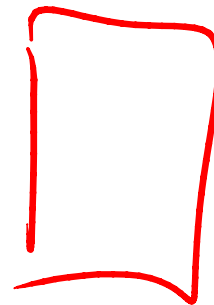


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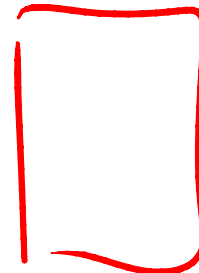


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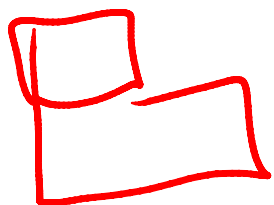
NORMAL
VOTES



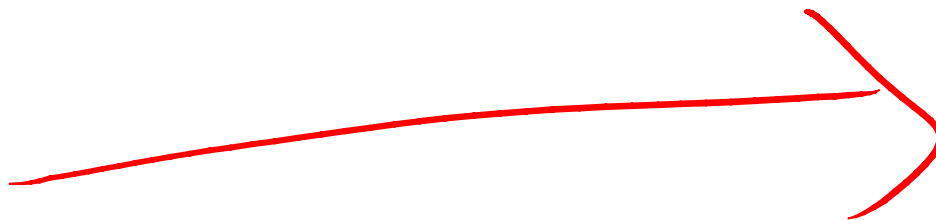
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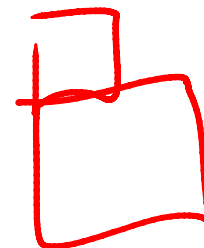


6

0

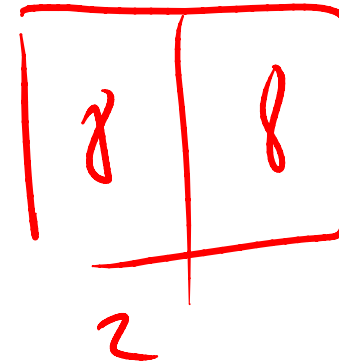
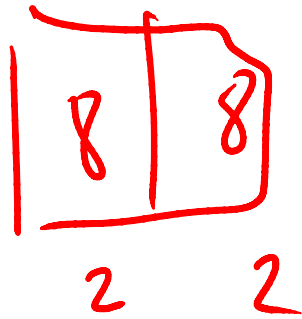
Configuring quorum using Node and file share
quorum with remote DR.

Shift to DR changes

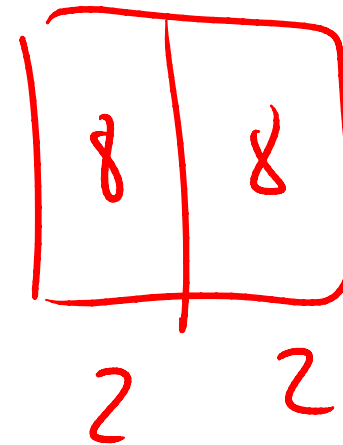
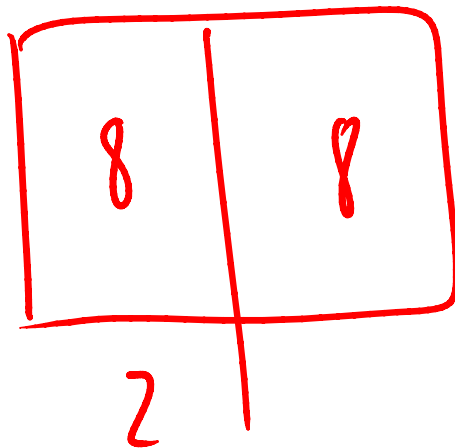


1

1 1

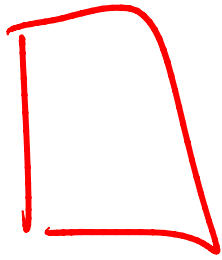


AMD
16 Cores
Interlayer

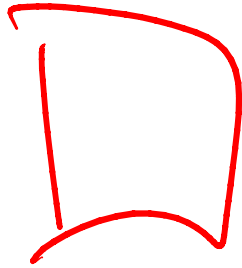


12 vCPUs
vCPU.nodes
6

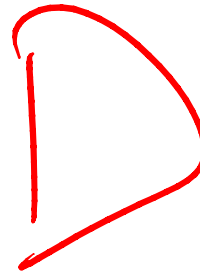
Default vNUMA layout for 12 vCPU VM on 4 socket AMD Interlagos system with 16 cores per socket and 2 NUMA nodes per socket. The result is 2 vCPU across 6 NUMA nodes for 6 vNUMA nodes in the VM. A more optimized vNUMA configuration would be to specify 6 vCPU per node



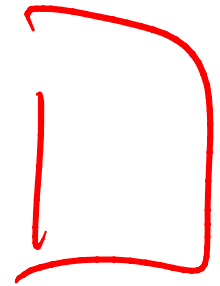
100%



100%



100%



100%

80%

80%

20%

20%

BINDPACKING

Hyper-V prevents powering on CPU Reserve VMs when the reserve is not guaranteed across all vCPU allocations, even if the % of total resources is still available.