

DEFAULT	VMware HA
	Admission Control: Enabled Current Failover Capacity: 1 Host Configured Failover Capacity: 1 Host <a href="#">Advanced Runtime Info</a>
OPTIONAL	VMware HA
	Admission Control: Enabled Current CPU Failover Capacity: 95 % Current Memory Failover Capacity: 99 % Configured Failover Capacity: 25 %
OPTIONAL	VMware HA
	Admission Control: Enabled Current CPU Failover Host: hvesx03.hypervizor.com

**HA Admission Control**

- Max CPU/MEM reservation: 0MHz/2048MB
- Slot size: 2048MB + 109MB overhead = 2157MB
- Max slots per host: 18216 MB / 2157MB = 8 slots
- Current failover capacity: 1 Host
- Total slots in cluster: 24 (3 Hosts x 8 slots)
- Used / Available slots: 14 / 2

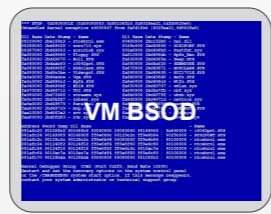
**HA Advanced Options**

das.vmMemoryMinMB	Min slot size memory
das.vmCpuMinMHz	Min slot size CPU
das.slotCpuInMHz	Max slot size CPU
das.slotMemInMB	Max slot size memory
das.isolationAddress[n]	Specify additional isolation address
das.failureDetectionTime	Max time before node declared failed
das.failureDetectionInterval	Heartbeat interval

**HA Advanced Runtime Info**

Advanced runtime info for:	HA Cluster
Slot size:	256 MHz, 1 virtual CPUs, 2157 MB
Total slots in cluster:	24
Used slots:	14
Available slots:	2
Total powered on vms in cluster:	14
Total hosts in cluster:	3
Total good hosts in cluster:	3

HA Admission Control options in vCenter



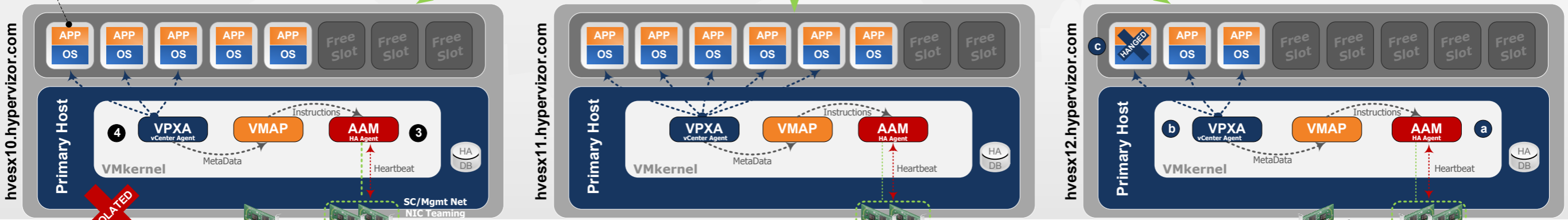
**vCenter Server 4** hvcenter05.hypervizor.com

Advanced Options: C:\...VMware\Infrastructure\VirtualCenter Server\upgrade

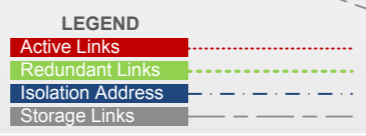
**Highest VM Reservation**  
 CPU = 0MHz  
 Memory = 2048GB

**HA CLUSTER – 3 ESX Hosts – CPU 14GHz – MEM 60GB**

hvesx10.hypervizor.com	CPU: 8GHz / MEM: 20GB	Free Slots: 3
hvesx11.hypervizor.com	CPU: 8GHz / MEM: 20GB	Free Slots: 2
hvesx12.hypervizor.com	CPU: 8GHz / MEM: 20GB	Free Slots: 5



- HA Isolation Response**
- The HA Agent pings other agents every 1 second, if no response received it will keep trying for 13 seconds.
  - If no response is received for 12 sec, the AAM agent will ping the isolation address (The gateway by default)
  - If no response is received for additional 3 sec, the AAM will send a Queued Isolation Event message to the vpxa.
  - The VPXA then declares the host isolated, and terminates the HA agent process.



- HA VM Monitoring**
- The HA agent communicates with the "VM Tools" running inside the VM via a private heartbeat channel.
  - If no heartbeat is received in a 'configurable' duration, the agent will check if the VM has any Disk-IO/Network activity.
  - If no disk IO or Network activities were detected, the agent will take a screenshots of the VM & store it in the VM folder.
  - The agent then reset the VM for reboot and store an event msg in the vCenter server with the link to the BSOD imgs.

**ESX Host Memory**  
 Total: 20479.9 MB  
 System: 1463.9 MB  
 Service Console: 800.0 MB  
 Virtual Machines: 18216.0 MB