**RedHat HA – preinstall questions and architectural**

The type of installation of HA will be based on many factors.

1.) Why do you feel that a high-availability solution is necessary?

2.) What type of HA solution does your application support?

- Active-Active (with Quorum Device)

- Active-Passive (with Quorum Device)

- Active-Active-Active (no Quorum Device)

- Active-Active-Passive (no Quorum Device)

3.) Is there a recommended cluster setup based on application performance?

- 2 node cluster (with Quorum Device)

- 3 node cluster

- 3+ node cluster

4.) How many instances will the application be running inside the cluster and what is their min/max footprint?

5.) What is the minimum downtime requirement for the application?

NETWORK

Below are the minimum required networks for Linux servers running HA.

*Physical*

- Access Network (10.x.x.x)

- Cluster Network (192.x.x.x) - Open firewall ports: 2224, 5403-5405

- iLO or iDrac Network (10.x.x.x) – Open firewall ports: 22, 80, 443, 623 to Access Network

- floating VIP (10.x.x.x) - Must be on same subnet as Access Network

*Virtual*

- Access Network (10.x.x.x)

- Cluster Network (192.x.x.x) - Open firewall ports: 2224, 5403-5405

- floating VIP (10.x.x.x) - Must be on same subnet as Access Network

STORAGE

Below are the minimum storage requirements for Linux servers running HA.

*Physical*

2 local hard drives (raid 1) - for OS: rootvg

1 local hard drive or LUN (SAN) - for Application installation: appsvg

1 shared LUN (SAN) - for Application Data: datavg

*Virtual*

1 virtual hard drive - for OS: rootvg

1 virtual hard drive - for Application installation: appsvg

1 shared virtual disk (vmdk) - for Application Data: datavg

Application installation storage (appsvg) can be managed through HA.

Application Data storage (datavg) must be managed through HA.