Below is the requirement from client for creating vxvm file system under

vcs level.

/abinitio/nstg6 33GB

/abinitio/nstg6/apps 33GB

/abinitio/nstg6/abworkdir 33GB

/abinitio/nstg6/tmp 33GB

/abinitio/nstg6/data 2000GB

Below are the steps to follow..

 Create New DG

 Create Volumes

 Create File systems

 Create Resource groups(RG) or Service group (SG)

 Create Resources under the new RG

Create DG

vxdg init ai\_nstg6\_dg ai-nstg6\_dg-01=hitachi\_vspgx0\_107f

Add disks to the DG

vxdg -g ai\_nstg6\_dg adddisk ai-nstg6\_dg-02=hitachi\_vspgx0\_108a

vxdg -g ai\_nstg6\_dg adddisk ai-nstg6\_dg-03=hitachi\_vspgx0\_108b

vxdg -g ai\_nstg6\_dg adddisk ai-nstg6\_dg-04=hitachi\_vspgx0\_108c

vxdg -g ai\_nstg6\_dg adddisk ai-nstg6\_dg-05=hitachi\_vspgx0\_108d

Create Volumes

vxassist -g ai\_nstg6\_dg make nstg6 33g

vxassist -g ai\_nstg6\_dg make nstg6\_apps 33g

vxassist -g ai\_nstg6\_dg make nstg6\_abworkdir 33g

vxassist -g ai\_nstg6\_dg make nstg6\_tmp 33g

vxassist -g ai\_nstg6\_dg make nstg6\_data 2000g

Make vxfs filesystems

mkfs.vxfs /dev/vx/rdsk/ai\_nstg6\_dg/nstg6

mkfs.vxfs /dev/vx/rdsk/ai\_nstg6\_dg/nstg6\_apps

mkfs.vxfs /dev/vx/rdsk/ai\_nstg6\_dg/nstg6\_abworkdir

mkfs.vxfs /dev/vx/rdsk/ai\_nstg6\_dg/nstg6\_tmp

mkfs.vxfs /dev/vx/rdsk/ai\_nstg6\_dg/nstg6\_data

Create Resource Group

hagrp -add ai-sg\_nstg6

hagrp -modify ai-sg\_nstg6 SystemList kycnaimwu01 0 kycnaimwu02 1

hagrp -modify ai-sg\_nstg6 AutoStartList kycnaimwu01

hagrp -modify ai-sg\_nstg6 SourceFile "./main.cf"

Create Resource under Resource groups

Add DG resoure under Resource group

hares -add ai\_nstg6\_dg DiskGroup ai-sg\_nstg6

hares -modify ai\_nstg6\_dg DiskGroup ai\_nstg6\_dg

hares -modify ai\_nstg6\_dg StartVolumes 1

hares -modify ai\_nstg6\_dg StopVolumes 1

hares -modify ai\_nstg6\_dg MonitorReservation 0

hares -modify ai\_nstg6\_dg tempUseFence INVALID

hares -modify ai\_nstg6\_dg DiskGroupType private

hares -modify ai\_nstg6\_dg Reservation ClusterDefault

hares -modify ai\_nstg6\_dg ClearClone 0

hares -modify ai\_nstg6\_dg Enabled 1

Create Resource under Resource groups

Add Mount resources for each file ssytems - /abinitio/nstg6

hares -add ai\_nstg6\_mnt Mount ai-sg\_nstg6

hares -modify ai\_nstg6\_mnt MountPoint "/abinitio/nstg6 "

hares -modify ai\_nstg6\_mnt BlockDevice "/dev/vx/dsk/ai\_nstg6\_dg/nstg6"

hares -modify ai\_nstg6\_mnt FSType vxfs

hares -modify ai\_nstg6\_mnt FsckOpt "%-y"

hares -modify ai\_nstg6\_mnt SnapUmount 0

hares -modify ai\_nstg6\_mnt CkptUmount 1

hares -modify ai\_nstg6\_mnt RecursiveMnt 0

hares -modify ai\_nstg6\_mnt VxFSMountLock 0

hares -modify ai\_nstg6\_mnt Enabled 1

Add Mount resources for each file ssytems - /abinitio/nstg6/apps

hares -add ai\_nstg6\_apps\_mnt Mount ai-sg\_nstg6

hares -modify ai\_nstg6\_apps\_mnt MountPoint "/abinitio/nstg6/apps"

hares -modify ai\_nstg6\_apps\_mnt BlockDevice

"/dev/vx/dsk/ai\_nstg6\_dg/nstg6\_apps"

hares -modify ai\_nstg6\_apps\_mnt FSType vxfs

hares -modify ai\_nstg6\_apps\_mnt FsckOpt "%-y"

hares -modify ai\_nstg6\_apps\_mnt SnapUmount 0

hares -modify ai\_nstg6\_apps\_mnt CkptUmount 1

hares -modify ai\_nstg6\_apps\_mnt RecursiveMnt 0

hares -modify ai\_nstg6\_apps\_mnt VxFSMountLock 0

hares -modify ai\_nstg6\_apps\_mnt Enabled 1

Add Mount resources for each file systems - /abinitio/nstg6/abworkdir

hares -add ai\_nstg6\_abworkdir\_mnt Mount ai-sg\_nstg6

hares -modify ai\_nstg6\_abworkdir\_mnt MountPoint "/abinitio/nstg6/abworkdir"

hares -modify ai\_nstg6\_abworkdir\_mnt BlockDevice

"/dev/vx/dsk/ai\_nstg6\_dg/nstg6\_abworkdir"

hares -modify ai\_nstg6\_abworkdir\_mnt FSType vxfs

hares -modify ai\_nstg6\_abworkdir\_mnt FsckOpt "%-y"

hares -modify ai\_nstg6\_abworkdir\_mnt SnapUmount 0

hares -modify ai\_nstg6\_abworkdir\_mnt CkptUmount 1

hares -modify ai\_nstg6\_abworkdir\_mnt RecursiveMnt 0

hares -modify ai\_nstg6\_abworkdir\_mnt VxFSMountLock 0

hares -modify ai\_nstg6\_abworkdir\_mnt Enabled 1

Add Mount resources for each file systems - /abinitio/nstg6/tmp

hares -add ai\_nstg6\_tmp\_mnt Mount ai-sg\_nstg6

hares -modify ai\_nstg6\_tmp\_mnt MountPoint "/abinitio/nstg6/tmp"

hares -modify ai\_nstg6\_tmp\_mnt BlockDevice

"/dev/vx/dsk/ai\_nstg6\_dg/nstg6\_tmp"

hares -modify ai\_nstg6\_tmp\_mnt FSType vxfs

hares -modify ai\_nstg6\_tmp\_mnt FsckOpt "%-y"

hares -modify ai\_nstg6\_tmp\_mnt SnapUmount 0

hares -modify ai\_nstg6\_tmp\_mnt CkptUmount 1

hares -modify ai\_nstg6\_tmp\_mnt RecursiveMnt 0

hares -modify ai\_nstg6\_tmp\_mnt VxFSMountLock 0

hares -modify ai\_nstg6\_tmp\_mnt Enabled 1

Add Mount resources for each file systems - /abinitio/nstg6/data

hares -add ai\_nstg6\_data\_mnt Mount ai-sg\_nstg6

hares -modify ai\_nstg6\_data\_mnt MountPoint "/abinitio/nstg6/data"

hares -modify ai\_nstg6\_data\_mnt BlockDevice

"/dev/vx/dsk/ai\_nstg6\_dg/nstg6\_data"

hares -modify ai\_nstg6\_data\_mnt FSType vxfs

hares -modify ai\_nstg6\_data\_mnt FsckOpt "%-y"

hares -modify ai\_nstg6\_data\_mnt SnapUmount 0

hares -modify ai\_nstg6\_data\_mnt CkptUmount 1

hares -modify ai\_nstg6\_data\_mnt RecursiveMnt 0

hares -modify ai\_nstg6\_data\_mnt VxFSMountLock 0

hares -modify ai\_nstg6\_data\_mnt Enabled 1

Set resource dependency

hares -link ai\_nstg6\_mnt ai\_nstg6\_dg

hares -link ai\_nstg6\_apps\_mnt ai\_nstg6\_dg

hares -link ai\_nstg6\_abworkdir\_mnt ai\_nstg6\_dg

hares -link ai\_nstg6\_tmp\_mnt ai\_nstg6\_dg

hares -link ai\_nstg6\_data\_mnt ai\_nstg6\_dg

hares -link ai\_nstg6\_apps\_mnt ai\_nstg6\_mnt

hares -link ai\_nstg6\_abworkdir\_mnt ai\_nstg6\_mnt

hares -link ai\_nstg6\_tmp\_mnt ai\_nstg6\_mnt

hares -link ai\_nstg6\_data\_mnt ai\_nstg6\_mnt