

How to mirror the rootvg in AIX?

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This procedure is to assume the rootvg having hdisk0 and we need to take a mirror to hdisk1.

1. Ground work:

lspv --> find out the none disk on the server for the mirroring.

bootinfo -s hdisk1 --> check the size of the hdisk1 (It should be equal or bigger than hdisk0)

2. Mirror the rootvg

extendvg rootvg hdisk1 --> Extend hdisk1 into the rootvg (force to extend if it throws error

"extendvg -f rootvg hdisk1")

mirrovg -S rootvg hdisk1 --> To initiate the mirror in background which help us to access the rootvg volume group

lsvg rootvg|grep -i stale --> To check status of the sync process. (Execute the cmd again and again until the stale PPs becomes zero

lsvg -l rootvg --> Check and confirm the number of PPs is double than number of LPs.

bosboot -ad /dev/hdisk1 --> To create the boot images on hdisk1

bootlist -m normal hdisk0 hdisk1 --> To add the hdisk1 on the bootlist.

bootlist -m normal -o --> To confirm both hdisk0 and hdisk1 is part of the boot sequence.

3. Validation

lsvg -l rootvg --> Check and confirm the number of PPs is double than number of LPs.

lsvg rootvg|grep -i stale --> To check the number of stale pp is Zero

4. Roll back

unmirrorvg rootvg hdisk1 --> To unmirror the hdisk1 in the mirroring.

reducevg rootvg hdisk1 --> To get the hdisk1 out of the rootvg

chpv -c hdisk1 --> To Clear the boot image on the hdisk1

bootlist -m normal hdisk0 --> To remove hdisk1 on the boot sequence which means add the hdisk0 alone on the boot sequence.

bootlist -m normal -o --> To confirm only hdisk0 is part of the boot sequence.

5. Downtime

NO downtime required for this mirror process.

source: <http://howtoaix.blogspot.com/2013/01/how-to-mirror-rootvg-in-aix.html>

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