

How To Mirror VG and Root VG

Article Number: 19 | Rating: Unrated | Last Updated: Mon, May 21, 2018 9:29 PM

How To Mirror VG and Root VG

There are steps involved through which administrator can mirror a **VG** and **RootVg**.

Steps to mirror a VG:

Step 1: Extend the VG.

```
# extendvg <vgname> <pvname>
```

Step 2: mirror the VG.

```
# mirrorvg <vgname> <pvname>
```

Step 3: synchronize the VG.

```
# syncvg <vgname>
```

Steps to mirror RootVg:

There are steps by which admin can mirror a root vg:

Step 1: extend rootvg to a new pv:

```
# extendvg rootvg <pvname>
```

For eg:

```
# extendvg rootvg hdisk6
```

Step 2: mirror rootvg

```
# mirrorvg -m rootvg hdisk6
```

Step 3: make it bootable:

```
# bosboot -ad /dev/hdisk6
```

Step 4: define boot order:

```
# bootlist -m normal hdisk4 hdisk6
```

Step 5: synchronize rootvg:

```
# syncvg rootvg
```

Reboot OS to disable quorum checking on rootvg (By default disabled, when rootvg is mirrored but reboot is required).

Why rootvg is mirrored?

The main reason to mirror rootvg is to protect OS from disk failure.

Happy Learning !

Written by RA

July 2, 2012 at 10:24 pm

Posted in [Abc of Aix](#), [System Admin](#)

Tagged with [ABC Of AIX](#), [AIX learning](#), [aix tutorials](#), [basics of aix](#), [bosboot](#), [extend vg](#), [extendvg](#), [mirror vg](#), [mirrorvg](#), [PV](#), [root vg](#), [rootvg](#), [steps to mirror bg](#), [syncvg](#), [VG](#), [why mirror rootvg](#)

VG Commands

[leave a comment »](#)

Although we have already discussed the use of VG Commands in detail in previous posts on [LVM](#), this post will give a brief review about the various VG commands we have learned so far.

mkvg

Command is used to create a new VG.

extendvg

Command is used to add PVs to VG.

reducevg

Command is used to remove PV from VG.

chvg

Command is used to change VG.

lsvg

Command is used to list all the VG in the system.

importvg

Command is used to add/install a VG.

exportvg

Command is used remove the VG from the system. we will discuss about the significance of exportvg command in detail in posts to come.

reorgvg

Command is used to reorganize the VG.

syncvg

Command is used to synchronize a VG.

varyonvg

Command is used to make VG available to the system for use.

varyoffvg

Command is used to make VG unavailable to the system.

mirrorvg

Command is used to mirror all LV within a VG.

source: <https://abcofaix.wordpress.com/tag/mirrorvg/>

Posted - Mon, May 21, 2018 7:53 PM. This article has been viewed 3374 times.

Online URL: <http://kb.ictbanking.net/article.php?id=19>