**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.**  
  
Pre-Work:  
  
                   Make sure the **hdisk0**and the **hdisk1**are in the **same** **size**. check the size with the **#bootinfo -s hdisk1"** command  
  
            
Steps:

1. Add hdisk1 to rootvg:  
         **extendvg rootvg hdisk1**

2. Mirror rootvg to hdisk1:  
         **mirrorvg rootvg hdisk1 (or smitty mirrorvg) mirrorvg –S will run the sync of the disks in the background**

3. Create boot images on hdisk1:  
         **bosboot -ad /dev/hdisk1**

4. Add hdisk1 to the bootlist:

**bootlist -m normal hdisk0 hdisk1**

Validation:

Validation:

1. Check the bootlist, should show both disks and pathid.
   1. **bootlist -m normal -o**
2. Execute the below commands and ensure that **the number of PPs is double than number than LPs**.

**# lsvg –l rootvg**

rootvg:

LV NAME   TYPE       **LPs     PPs**     PVs  LV STATE      MOUNT POINT

hd5                 boot       **1       2**       2    closed/syncd  N/A

hd6                 paging     **105     210**     2    open/syncd    N/A

hd8                 jfs2log    **1       2**      2    open/syncd    N/A

hd4                 jfs2       **16      32**      2    open/syncd    /

hd2                 jfs2       **40      80**      2    open/syncd    /usr

hd9var              jfs2       **40      80**      2    open/syncd    /var

hd3                 jfs2       **40      80**     2    open/syncd    /tmp

hd1                 jfs2       **16      32**      2    open/syncd    /home

hd10opt             jfs2       **40      80**      2    open/syncd    /opt

**Rollback:**

1. Un-Mirror rootvg to hdisk0:

**unmirrorvg rootvg hdisk1**

2. Reduce the hdisk0 from Rootvg

**reducevg rootvg hdisk1**

3. delete the bootimage from hdisk1

**chpv -c hdisk1**

4. Add hdisk0 only to the bootlist:

**bootlist -m normal hdisk0**