

# AIX Commands Related to Boot and Init Process

Article Number: 544 | Rating: Unrated | Last Updated: Tue, Apr 16, 2019 5:41 PM

## AIX Commands Related to Boot and Init Process

Posted on [November 21, 2012](#) by [ksgnathan](#)

### 1) To find the run-level in which system is working

a) #who -r

b) cat /etc/.init.state

### 2) To change the runlevel from one to other

#telinit M or shutdown -m -> Go to maintenance mode (single user mode)

#telinit 2

### 3) Shows the bootlist in normal mode & Service mode

#bootlist -m normal -o

#bootlist -m service -o

### 4) Sets the bootlist in the normal mode and service mode

#bootlist -m normal hdisk1 hdisk2

#bootlist -m service cd0 hdisk1

### 5) To show the boot disks location code

#bootlist -m normal -ov

'ibm,max-boot-devices' = 0x5

NVRAM variable: (boot-device=/pci@80000002000000c/pci@2/pci1069,b166@1/scsi@0/sd@4:2)  
Path name: (/pci@80000002000000c/pci@2/pci1069,b166@1/scsi@0/sd@4:4) <-this  
pathname shows which blv is used  
match\_specific\_info: ut=disk/scsi/scsd  
hdisk0 blv=bos\_hd5

**8) To shows state of boot record**

```
#ipl_varyon -i
PVNAME  BOOT DEVICE  PVID                VOLUME GROUP ID hdisk0
YES 00183dfeba601b300000000000000000 000183df00004c00 hdisk1 NO
000183df1bc48899000000000000000000 000183df00004c00
```

Where, hdisk0 is the boot device

**9) Creates new boot record**

```
#bosboot -ad hdisk3
```

**10)To clears the boot record**

```
#chpv -c hdisk3
```

**11) To obtain the boot device**

```
#slsv -m hd5
```

**12)To see the system architecture ( RS6K,P series)**

```
#bootinfo -p
```

**13) To see the bit addressing (32 bit or 64 bit)**

```
#bootinfo -y
```

**14) To check the RAM size**

```
#bootinfo -r
```

**15) To check the bootable disk**

```
#bootinfo -b
```

**16) To check the size of the hard disk**

```
#bootinfo -s hdisk3
```

**17) Specifies the type of boot**

#bootinfo -t

**18) To shutdown the server**

#shutdown

#shutdown -F (Fast shutdown)

#halt (ungraceful shutdown)

**19) Shutdown with grace period**

#shutdown +3 "System is going to shutdown"

**20) To reboot the server**

#shutdown -Fr

#reboot or #fastreboot ( Can be used if no users logged into the system)

Normally reboot kill the processes only, leaves the process and communications running

**21) To maintenance mode**

#shutdown -m

**22) Info about boot**

#who -b

#last reboot

#uptime

**23) how to find where is the bootimage?**

#bootinfo -v

Posted - Tue, Apr 16, 2019 5:41 PM. This article has been viewed 4543 times.

Online URL: <http://kb.ictbanking.net/article.php?id=544>