

RHEL: Reinstalling Boot Loader on the Master Boot Record (MBR)

Article Number: 60 | Rating: Unrated | Last Updated: Sun, May 27, 2018 8:36 PM

Tested on RHEL 5 & 6

In many cases, the GRUB boot loader can mistakenly be deleted, corrupted or replaced.

We can manually reinstall GRUB on the master boot record, using either "grub-install"

or the "grub" prompt.

Ensure the device.map file located in the /boot/grub directory lists all boot devices

in the same order detected by system ROM.

grub-install -----

cat device.map

this device map was generated by anaconda

(hd0) /dev/cciss/c0d0

Use the 'grub-install' command pointing to the root device.

grub-install /dev/cciss/c0d0

--- OR ---

"grub" utility -----

```
# Manually set up the MBR and /boot partition from the grub prompt.
(hd0) and (hd0,0) should
# coincide with the results from the "find" command. It may be that
"find" command will
# fail showing an error message; if that's the case we can continue
with the procedure as
# "find" step is not mandatory
```

grub

```
grub> find /boot/grub/stage1
grub> root (hd0,0)
grub> setup (hd0)
```


```
# If a crash occurred on the server and GRUB boot loader was lost,
this may be recovered by
# booting from a rescue CD.
```

```
# After the command prompt is displayed, change the root directory to
the OS installation
# by typing this command:
```

chroot </mnt/sysimage>

```
# Review the /boot/grub/grub.conf file, as additional entries may be
needed for GRUB to control
# additional operating systems.
```

Posted - Sun, May 27, 2018 8:36 PM. This article has been viewed 3540 times.

Online URL: <http://kb.ictbanking.net/article.php?id=60>