

# Installing Grub onto RAID-1 Partition with ReiserFS

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## 1 Synopsis

I had a devil of a time getting grub (GRand Unified Boot loader) to install on two IDE drives setup in a RAID-1 configuration with ReiserFS. These are the steps I used to finish that setup on a Gentoo system.

## 2 The Steps

1. Edit grub.conf (this is usually under /boot/grub/) and add your two partitions (referenced below).
2. Run grub manually (type **grub** at the command prompt)
3. At the grub prompt (i.e. 'grub>') issue the command **find /grub/stage2** and you should see the two raid partitions appear  
*(hd0,1)*  
*(hd1,1)*
4. Type **root (hd0,1)** and you should see this:  
*Filesystem type is reiserfs, partition type Oxf*
5. Type **setup (hd0)** You should see something similar to this appear:  
*Checking if "/boot/grub/stage1" exists... yes*  
*Checking if "/boot/grub/stage2" exists... yes*  
*Checking if "embed /boot/grub/reiserfs\_stage1\_5 (hd0)"... 26 sectors are embedded. succeeded*  
*Running "install /boot/grub/stage1 (hd0) (hd0)1+26 p (hd0,1)/boot/grub/stage2 /boot/grub/menu.lst"... succeeded*  
*Done.*
6. (Running the commands for the second drive) Type **root (hd1,1)** and you should see this:  
*Filesystem type is reiserfs, partition type Oxf*

7. Type **setup (hd1)** You should see something similar to this appear:  
*Checking if "/boot/grub/stage1" exists... yes*  
*Checking if "/boot/grub/stage2" exists... yes*  
*Checking if "embed /boot/grub/reiserfs\_stage1\_5 (hd1)"... 26 sectors are embedded. succeeded*  
*Running "install /boot/grub/stage1 (hd1) (hd1)1+26 p (hd1,1)/boot/grub/stage2 /boot/grub/menu.lst"... succeeded*  
*Done.*
8. That's it! Now all you have to do is exit out of grub by issuing the quit command.