

## Creating Volume Groups on a Virtual Disk Using vgcreate

Create the partitions on a virtual disk by issuing a `vgcreate` command. The `vgcreate` command builds the virtual group block data needed in order to access the virtual disk for access by HP-UX. In addition, refer to the `pvcreeate`, `vgcreate`, and `lvcreate` man pages for more information about creating disks and file systems.

To create the physical volume on a virtual disk, enter the following:

```
# pvcreate -f /dev/rdisk/c32t0d1
```

To create the volume group directory for a virtual disk, enter the following:

```
# mkdir /dev/vg01
```

(`vg01` is an example and must be unique for each volume group created.)

To create the volume group node for a virtual disk, enter the following:

```
# mknod /dev/vg01/group c 64 0x010000
```

(64 is the major number which equates to the mode—64-bit. The 0x01 is the minor number in hex which must be unique for each volume group)

To create the volume group for a virtual disk, enter the following:

```
# vgcreate -L 1000 /dev/vg01/lv011
```

To create the logical volume for a virtual disk, enter the following:

```
# lvcreate -f /dev/vg01 /dev/dsk/c32t0d1
```

In this example, a 1 GB logical volume (`lv011`) is created.