

# Hard Drive and Disk Management

- Disk Space of all files and directories in the current directory you are located in

```
du
```

```
root@localhost agi-bin]# du
132      ./svn/text-base
4        ./svn/props
4        ./svn/tmp/text-base
4        ./svn/tmp/props
4        ./svn/tmp/prop-base
16       ./svn/tmp
24       ./svn/prop-base
188     ./svn
24       ./areminder/.svn/text-base
4        ./areminder/.svn/props
4        ./areminder/.svn/tmp/text-base
4        ./areminder/.svn/tmp/props
4        ./areminder/.svn/tmp/prop-base
16       ./areminder/.svn/tmp
12       ./areminder/.svn/prop-base
68       ./areminder/.svn
92       ./areminder
48       ./enc
8        ./calllimit
804     .
[root@localhost agi-bin]#
```

# Adding the -h flag will have the Disk Size printed out in human readable format

```
[root@localhost agi-bin]# du -h
132K     ./svn/text-base
4.0K     ./svn/props
4.0K     ./svn/tmp/text-base
4.0K     ./svn/tmp/props
4.0K     ./svn/tmp/prop-base
16K      ./svn/tmp
24K      ./svn/prop-base
188K     ./svn
24K      ./areminder/.svn/text-base
4.0K     ./areminder/.svn/props
4.0K     ./areminder/.svn/tmp/text-base
4.0K     ./areminder/.svn/tmp/props
4.0K     ./areminder/.svn/tmp/prop-base
16K      ./areminder/.svn/tmp
12K      ./areminder/.svn/prop-base
68K      ./areminder/.svn
92K      ./areminder
48K      ./enc
```

```

8.0K      ./calllimit
804K     .
[root@localhost agi-bin]#

# If we wanted to know how much space the voicemail directory is using we
can use the following command
[root@localhost agi-bin]# du -h /var/spool/asterisk/voicemail/
4.0K      /var/spool/asterisk/voicemail/device
8.0K      /var/spool/asterisk/voicemail/
[root@localhost agi-bin]#

# Find which directory is using up the most storage space in /var/spool
/asterisk
[root@localhost ~]# cd /var/spool/asterisk/
[root@localhost asterisk]# du -cks * | sort -rn
52   total
20   sysadmin
8    voicemail
4    tmp
4    system
4    outgoing
4    monitor
4    meetme
4    fax

```

- Disk Space of the entire Hard Drive

```

df

[root@localhost agi-bin]# df
Filesystem      1K-blocks      Used Available Use% Mounted on
/dev/sda2        56818996    3078276  50854424   6% /
tmpfs            1952500         0    1952500   0% /dev/shm
/dev/sda1         99150        25896     68134  28% /boot
[root@localhost agi-bin]#

# Adding the -h flag will have the Disk Size printed out in human readable
format
[root@localhost agi-bin]# df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/sda2       55G   3.0G   49G   6% /
tmpfs           1.9G    0    1.9G   0% /dev/shm
/dev/sda1       97M   26M   67M  28% /boot
[root@localhost agi-bin]#

```