

Navigating File System

Navigating the Linux filesystem

- List Directory Context- Will list all files and sub-directories from the Directory that you are currently in.

```
ls

[root@localhost agi-bin]# ls
aastra-vm-greetings.php  ddns_client.php          parkfetch.agi
aastra-vm.php            dialparties.agi         pbdirectory
areminder                directory                phpagi-asmanager.php
areminder-main.php      directory.agi            phpagi.php
areminder-manager.php   directory.lib.php       queue_devstate.agi
backuprecordings.php    enc                      sql.php
broadcast_log.php       enumlookup.agi          trunk-alert.agi
calllimit               fax.agi                 update_license.php
calllimit.agi          fixlocalprefix          user_login_out.agi
checksound.agi         license-1237432133.zl   vmnotify-audit.php
class.phpmailer.php    list-item-remove.php    vmnotify-common.php
class.pop3.php         LoadLicenseIfExists.php vmnotify-main.php
class.smtp.php         page.agi                 vmnotify-newvm.php
[root@localhost agi-bin]#

# View all files including the owner and permissions use the -l flag
[root@localhost agi-bin]# ls -l
total 476
-rwxrwxr-x 1 asterisk asterisk 3562 Aug  2 09:47 aastra-vm-greetings.
php
-rwxrwxr-x 1 asterisk asterisk 5995 Aug  2 09:47 aastra-vm.php
drwxrwxr-- 3 asterisk asterisk 4096 Jan  4 16:34 areminder
-rwxrwxr-- 1 asterisk asterisk  671 Jan 19 20:11 areminder-main.php
-rwxrwxr-- 1 asterisk asterisk 1149 Jan 19 20:11 areminder-manager.
php
-rwxrwxr-- 1 asterisk asterisk  544 Jan 19 20:11 backuprecordings.php
-rwxrwxr-- 1 asterisk asterisk 1246 Jan 19 20:11 broadcast_log.php
drwxrwxr-- 2 asterisk asterisk 4096 Jan 18 15:35 calllimit
-rwxrwxr-- 1 asterisk asterisk  248 Jan 19 20:11 calllimit.agi
-rwxrwxr-- 1 asterisk asterisk 1872 Jan 19 20:11 checksound.agi
-rwxrwxr-- 1 asterisk asterisk 74527 Jan 19 20:11 class.phpmailer.php
-rwxrwxr-- 1 asterisk asterisk 10599 Jan 19 20:11 class.pop3.php
-rwxrwxr-- 1 asterisk asterisk 25613 Jan 19 20:11 class.smtp.php
-rwxrwxr-- 1 asterisk asterisk  1343 Jan 19 20:11 ddns_client.php
-rwxrwxr-- 1 asterisk asterisk 32609 Jan 19 20:11 dialparties.agi
-rwxrwxr-- 1 asterisk asterisk 13303 Jan 19 20:11 directory
-rwxrwxr-- 1 asterisk asterisk  6750 Jan 19 20:11 directory.agi
-rwxrwxr-- 1 asterisk asterisk 10452 Jan 19 20:11 directory.lib.php
drwxrwxr-x 2 asterisk asterisk  4096 Jan 18 15:35 enc
-rwxrwxr-- 1 asterisk asterisk  5683 Jan 19 20:11 enumlookup.agi
-rwxrwxr-- 1 asterisk asterisk  248 Jan 19 20:11 fax.agi
-rwxrwxr-- 1 asterisk asterisk  1613 Jan 19 20:11 fixlocalprefix
-rwxrw-r-- 1 asterisk asterisk  712 Jan 18 15:27 license-1237432133.
```

```

zl
-rwxrwxr-- 1 asterisk asterisk 2003 Jan 19 20:11 list-item-remove.php
-rwxrwxr-- 1 asterisk asterisk 953 Jan 19 20:11 LoadLicenseIfExists.
php
-rwxrwxr-- 1 asterisk asterisk 6459 Jan 19 20:11 page.agi
-rwxrwxr-- 1 asterisk asterisk 2510 Jan 19 20:11 parkfetch.agi
-rwxrwxr-- 1 asterisk asterisk 10262 Jan 19 20:11 pbdirectory
-rwxrw-r-- 1 asterisk asterisk 31772 Jan 8 14:28 phpagi-asmanager.php
-rwxrw-r-- 1 asterisk asterisk 65947 Jan 8 14:28 phpagi.php
-rwxrwxr-- 1 asterisk asterisk 5913 Jan 19 20:11 queue_devstate.agi
-rwxrwxr-- 1 asterisk asterisk 21211 Jan 19 20:11 sql.php
-rwxrw-r-- 1 asterisk asterisk 1452 Jan 17 08:43 trunk-alert.agi
-rwxrwxr-- 1 asterisk asterisk 1866 Jan 19 20:11 update_license.php
-rwxrwxr-- 1 asterisk asterisk 20540 Jan 19 20:11 user_login_out.agi
-rwxrwxr-- 1 asterisk asterisk 642 Jan 19 20:11 vmnotify-audit.php
-rwxrwxr-- 1 asterisk asterisk 630 Jan 19 20:11 vmnotify-common.php
-rwxrwxr-- 1 asterisk asterisk 647 Jan 19 20:11 vmnotify-main.php
-rwxrwxr-- 1 asterisk asterisk 648 Jan 19 20:11 vmnotify-newvm.php
[root@localhost agi-bin]#

```

- Change Directory- Used to change the current directory you are in.

```

cd

# Change to the Directory where FreePBX Modules are located.
cd /var/www/html/admin/modules/

# Change back 1 directory. Currently we are in /var/www/html/admin
/modules/ and we want to go back 1 directory to /var/www/html/admin/
cd ..

# Change back 2 or more directories. Currently we are in /var/www
/html/admin/modules/ and we want to go back 2 directories to /var/www
/html/
cd ../../

```

- Print Current Working Directory- Display what the directory path that you current are in.

```
pwd
```

```
[root@localhost agi-bin]# pwd  
/var/lib/asterisk/agi-bin  
[root@localhost agi-bin]#
```

- Copy a file- Copy a file from 1 location or directory to another location or directory

```
cp
```

```
# Below we will copy the fax.agi script to the /tmp/ directory  
[root@localhost agi-bin]# cp fax.agi /tmp/  
[root@localhost agi-bin]#
```

```
# Below we will use the copy command to make a new copy of fax.agi called  
fax.agi.old to keep a backup copy of the  
# script before we edit the file in the same directory that we are  
currently in which is the agi-bin directory  
[root@localhost agi-bin]# cp fax.agi fax.agi.old
```

```
# To Copy a whole directory we need to pass the -r flag to tell it to  
recursively copy the directory.  
# we will copy the whole modules directory to the tmp directory. This  
will copy everything in the modules directory  
# and any sub directories within the modules directory.  
[root@localhost agi-bin]# cp -rf /var/www/html/admin/modules/ /tmp/
```

```
# If we wanted to copy all files that ended in a .conf name from the /etc  
/asterisk/ directory to the  
# current directory that we are in we could use the following command.  
# The * is a wild character so *.conf means any file that has some  
characters and ends in .conf.  
# The . at the end tells the copy command to copy the files into our  
current directory we are in. You could easily  
# replace the . with a directory path like /tmp/  
[root@localhost tmp]# cp /etc/asterisk/*.conf .
```

- Move a file- Move a file from 1 directory or location to another location. You can also use the mv command to rename a file or directory

```
mv
```

```
# Below we will move the fax.agi script to the /tmp/ directory
```

```
[root@localhost agi-bin]# mv fax.agi /tmp/
```

```
[root@localhost agi-bin]#
```

```
# Below we will use the move command to rename fax.agi to fax.agi.save
```

```
[root@localhost agi-bin]# mv fax.agi fax.agi.save
```

```
[root@localhost agi-bin]#
```