

# Disk Quota on UCS

## Disk Quota

Each user is allocated a certain amount of usable disk space on the UCS Sun System. Since UCS is a shared campus-wide system, users are limited to the amount of data that can be stored.

### UCS Disk Quota Allocations for Faculty/Staff and Students

	Home Directory	Mail
<b>Student</b>	<b>50 MB</b>	<b>10 MB</b>
<b>Faculty/Staff</b>	<b>50 MB</b>	<b>20 MB</b>

To check your disk usage, open a *Terminal* window and enter **quota -v** at the command prompt. (To open a *Terminal* window, right click on the background of the screen, click **Tools**, and choose **Terminal**.)

```
d101% quota -v
Disk quotas for abc1234 (uid 35957):
Filesystem      usage  quota  limit  timeleft  files  quota  limit
/home/abc1234
      1351  4900  5000           0     0     0
/home/def5678
      1351  4900  5000           0     0     0
/var/mail
         0  3920  4000           0     0     0
/w1
      1168  2900  3001          105     0     0
d101%
```

The **quota -v** command will list the users who are logged into the same workstation. All of the numbers refer to your home directory, mailbox, and any project directories that you may have. Disk usage is listed in kilobytes (2,000K = 2MB).

Locate the line which refers to your home directory. This is indicated by the word `/home/` and your CLID. If the first number, the **usage**, is above 49000K, you may begin to notice problems with your account.

On the same line, locate the **quota** column. Once the quota is exceeded, users cannot login to the Common Desktop Environment (CDE). Login is possible via command line.

The **limit** column refers to the quota limit. Users can not exceed this limit.

The Help Desk recommends that you periodically check your disk quota, especially before beginning any critical projects. A user who is close to going over disk quota in the home directory (over 4,800K) will begin to experience problems saving files, running many UCS applications, and sending print requests.

## Diagnosing Quota Problems

Users are "over quota" when their disk usage exceeds the limit of file space allocated to their home directory. Once the quota is exceeded in the home directory, users are not able to login to the CDE. The CLID and password are not accepted and the CDE Login Screen returns.

If you cannot login to your account and are not receiving a "Login Incorrect" message, you are most likely experiencing quota problems. Check your quota by doing a Command Line Login (explained below) and typing **quota -v <RETURN>** from the command prompt.

## Correcting Disk Quota Problems

Properly correcting the problem involves removing files not currently needed by the user. Files that you may find consist of *Staroffice* Word and Spreadsheet documents, programming assignments, full trash cans, audio and video files, *Netscape* cache and `.db` files, large graphics files (tif, bmp, jpeg, gif), cache files from other UCS applications, received and sent.mail files, or core files from failed program executions.

You may choose to copy files to some form of removable media (floppy disk) before removing the files from your home directory. Instructions for removing files and copying files to floppy are available from the Help Desk.

You must be cautious when removing files. Retrieving files may be possible; however, it could become costly. If you are uncomfortable with removing files or unsure of how to use the disk drives, go to the Help Desk in Stephens Hall for assistance. Never rely on other users for assistance. You are responsible for accidentally deleted files.

## Instructions for Removing Files

The following steps illustrate the process of removing files from your home directory. Commands that you enter are indicated in **Bold**. All commands are entered at the command prompt. Press the **<RETURN>** key as indicated.

### Step 1: Login to UCS from the Command Line.

At the CDE Login Screen, click **Options** and select **Command Line Login**.

Press the <RETURN> key.

d101.ucs.louisiana.edu console login: **clid** <RETURN>  
Password: **your\_password** <RETURN>

The Help Desk can provide assistance in correcting quota problems and using the disk drives.

**Step 2: List the files in your home directory.**

```
d101% ls -al |more <RETURN>
```

A list of all files and directories is displayed one screen time. Look through the list to see what files you can remove. The sixth column displays the size of the file in bytes (10,000 bytes = 10K). Do NOT remove dot files and directories (those that begin with a period) as they are needed by the system. Also, be cautious NOT to remove your .cshrc and .login files.

**Step 3: Remove Files.**

```
d101% rm filename.ext <RETURN>
```

Files that take up a large amount of space include .exe programs, sound files, graphics, and other files that you may have downloaded from the Internet.

**Step 4: Look for files in other directories.**

```
d101% du -k |more <RETURN>
```

Large numbers (in excess of 1000) indicate directories with large files. Pay special attention to Mail and nsmail directories. These contain mailboxes created by *Elm* or *dtmail* and can become quite large. Determine which directory contains large files, change to that directory, list the files in that directory, and determine what you want to remove.

```
d101% cd directory <RETURN>  
d101% ls -al <RETURN>  
d101% rm filename.ext <RETURN>
```

**Step 5: Remove .Mozilla Files.**

```
d101% rm -rf .mozilla<RETURN>
```

**Step 6: Empty your Trash Can.**

Go to OpenWebMail and empty Trash Can.

**Step 7: Check your disk quota again.**

```
d101% quota -v <RETURN>
```

**Step 8: Change quota preferences**

Go to Mozilla website. Edit preferences. Click on Advanced features. Click on Quota. Change quota to 0. Change directory reference by clicking on Choose File. Click on icon closest to left until you get to the directory. Search for the /tmp directory. Click on this line once, then press Select.

## Getting Help