

Using Windows XP on a Cluster Machine

This document contains the following sections:

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For information related to this topic refer to:

- [An Overview of Files and Directories in AFS](http://www.cmu.edu/computing/doc/unix/afs-files.html)
(<http://www.cmu.edu/computing/doc/unix/afs-files.html>)
- [Increasing and Managing your AFS and Cyrus Quotas](http://www.cmu.edu/computing/doc/accounts/quota/index.html)
(<http://www.cmu.edu/computing/doc/accounts/quota/index.html>)
- [MyFiles and Roaming Profiles: Frequently Asked Questions](http://www.cmu.edu/computing/doc/clusters/faq.html)
(<http://www.cmu.edu/computing/doc/clusters/faq.html>)
- [Your Andrew UNIX Account](http://www.cmu.edu/computing/doc/unix/andrew-acct/index.html)
(<http://www.cmu.edu/computing/doc/unix/andrew-acct/index.html>)
- [MyFiles and Roaming Profiles on Macintosh](http://www.cmu.edu/computing/doc/clusters/mac/index.html)
(<http://www.cmu.edu/computing/doc/clusters/mac/index.html>)

Note: The purpose of this document is to familiarize you with Computing Services' implementation of Windows XP in clusters. It contains basic information and is not intended as a resource for using Windows XP. For detailed instructions on using Windows XP consult the system Help or online resources.

Log In / Log Out

Follow these steps to log on and log out of a cluster Windows XP machine:

- To log on to a cluster Windows machine, use your **Andrew ID** and **password**.
Note: The **Log on to** drop-down should be set to ANDREW.CMU.EDU (Kerberos Realm)
- To log out, click **Start > Log off**.
Note: Do not shut down Windows machines. Software updates are downloaded overnight; the machines should be left on at all times.

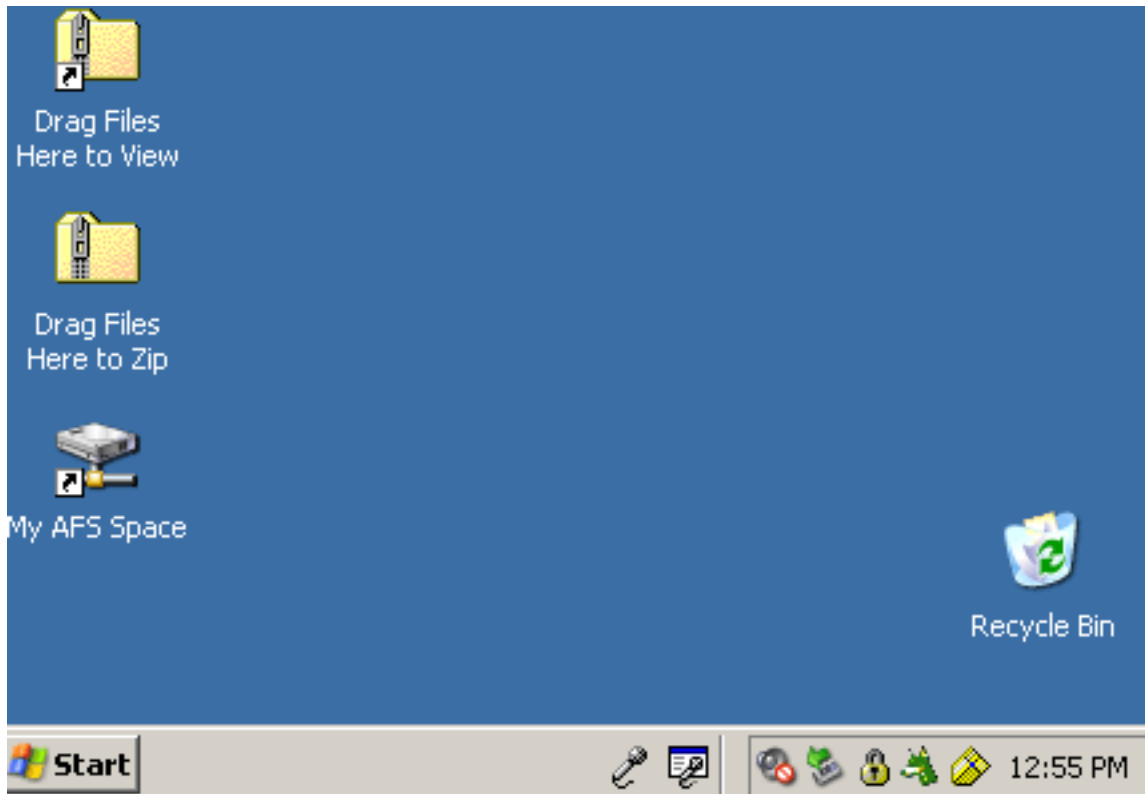
Last Updated: 08/08/06

Using the Desktop

The Desktop makes it easy to open applications, documents and other items you use frequently. You can add icons to the Desktop for applications, files, folders, servers, and web sites. Computers in the public computing clusters offer [MyFiles](#) storage space as well as [roaming profiles](#). Desktop preferences are stored in your [Roaming Profile](#) and accessible from ANY public Windows cluster computer. These two features allow a consistent "feel" as they afford students, faculty and staff members the ability to access commonly used information or features from any Computing Services' public cluster computer.

- To add an item, drag its icon from the Start menu to the Desktop.
- To open an item, click its icon.

The Cluster Windows XP desktop:



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Using MyAFS

In Computing Services' PC clusters you can save files to your AFS (Andrew File System) directory. To view or save a file to your AFS directory, follow these steps:

1. Logon to a Windows cluster machine.
2. Double-click the My AFS Space icon on the desktop to view your AFS directory.
 - Save files to your AFS directory in the same manner you would any Windows directory (Save > Desktop > My AFS Space).
 - To open a file in a cluster locate the file in your AFS directory and double-click the file icon.

File Maintenance Tips

The following are some tips for effective file maintenance on cluster Windows machines:

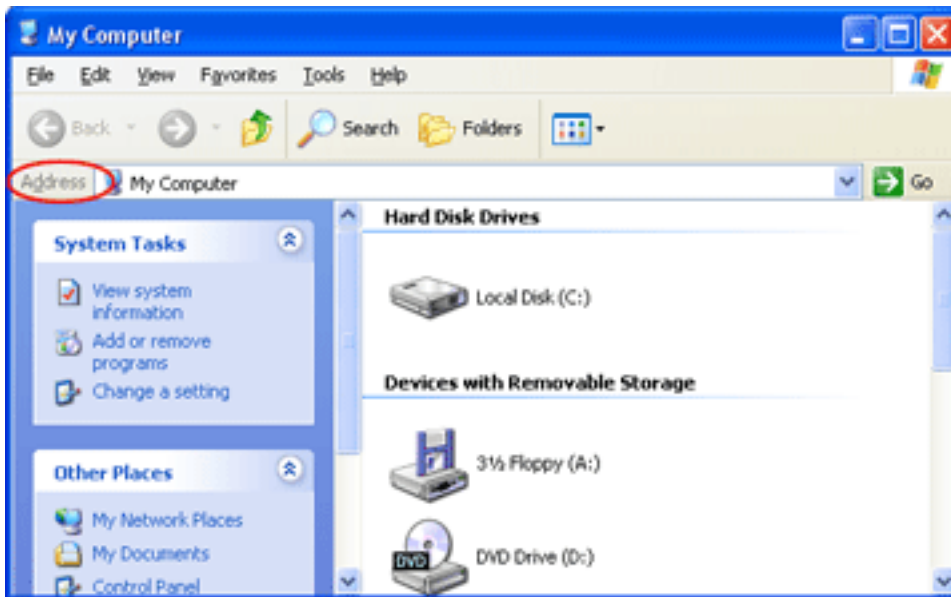
- We recommend that you save files in your MyFiles space OR private AFS directory. For more information, read [An Overview of Files and Directories in AFS \(http://www.cmu.edu/computing/doc/unix/afs-files.html\)](http://www.cmu.edu/computing/doc/unix/afs-files.html) . As always, it is important to save your work frequently.
- Use [\(http://www.cmu.edu/computing/doc/software/ssh/index.html\)](http://www.cmu.edu/computing/doc/software/ssh/index.html) SSH Secure Shell to download from your AFS directory.
- Each Carnegie Mellon student, faculty and staff member is allocated 1 GB of storage for files (AFS space). From the Computing tab of the [Carnegie Mellon Web Portal \(https://my.cmu.edu/\)](https://my.cmu.edu/), you can use the Quota Increase Tool to increase your allocated AFS directory space. Although you have the option to increase your AFS quotas, space is still limited and should not be abused. It is important for you to manage the information that is saved in your AFS disk space. See the [Increasing and Managing your AFS and Cyrus Quotas \(http://www.cmu.edu/computing/doc/accounts/quota/index.html\)](http://www.cmu.edu/computing/doc/accounts/quota/index.html) document for tips on managing your AFS space.

Note: While using a clusters Windows machine, preferences are stored locally and then saved to your roaming profile when you log out. If you exceed your 20MB roaming profile space, you will not be able to save preferences to your roaming profile upon log out and any changes you made to preferences will be lost. You will receive an email warning if you approach your quota.

Connecting to Servers

Follow these steps to log onto a server:

1. Select **Start > My Computer**.
2. From the **My Computer** window, enter the full hostname or IP address for the server in the **Address** field at the top of the window.



3. Login with your server account userid and password. (If you are unsure, talk to the server administrator.)

SSH Secure Shell

SSH Secure Shell is a client program which enables you to login to a remote computer and issue commands as though you were typing on that computer's keyboard.

Use SSH Secure Shell to connect to your AFS directory.

Once connected, use UNIX commands (see [Using Unix and the Andrew System \(http://www.cmu.edu/computing/doc/unix/unix-andrew/index.html\)](http://www.cmu.edu/computing/doc/unix/unix-andrew/index.html)) to manipulate files, create directories and set access rights. For more information on using SSH Secure Shell read the [Using SSH Secure Shell Client on Windows \(http://www.cmu.edu/computing/doc/software/ssh/index.html\)](http://www.cmu.edu/computing/doc/software/ssh/index.html) document.

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MyFiles on Windows

MyFiles gives students, faculty and staff the ability to access saved documents from any Windows or Macintosh cluster computer. The MyFiles space is backed up twice each day.

The following pages describe the attributes of your MyFiles space:

- [Saving Files \(The W: Drive\)](#)
- [Previous Versions](#)
- [Access from a Non-Cluster Machine](#) (Residence Hall or Campus Office)

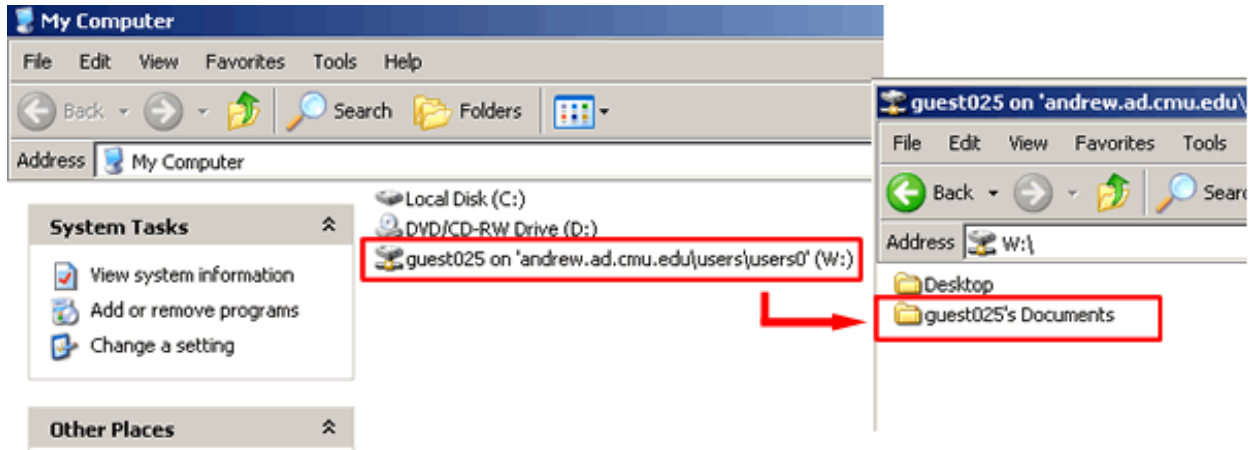
Other MyFiles Data

- **Desktop Data** - Personal desktop icons and shortcuts that you created are available from any Windows cluster computer. At this time, this does not include screen saver or background settings.
- **Application Data** - Preferences that you set in applications such as Microsoft Word will be available from any Windows cluster computer.

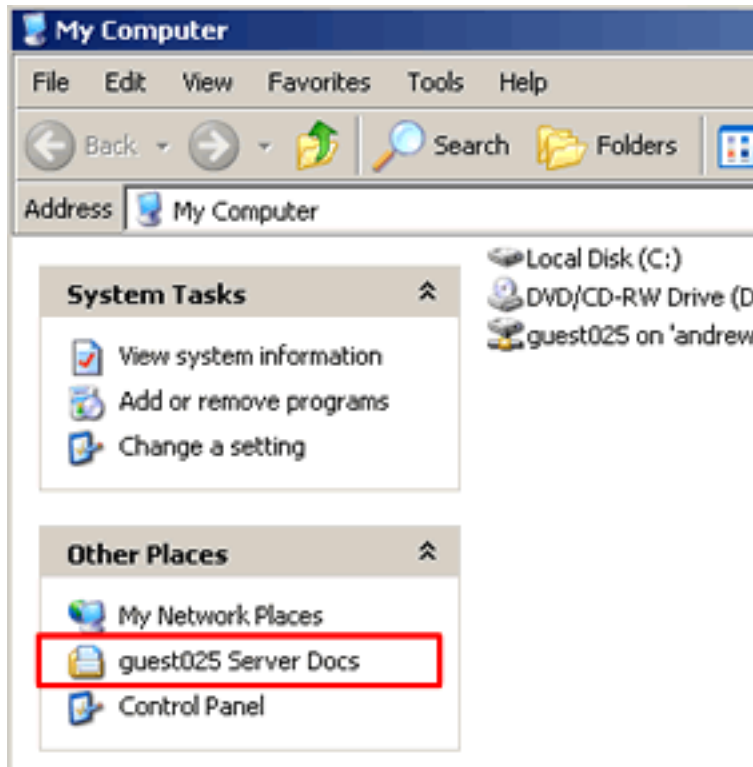
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Saving Files (The W: Drive)

When using Windows in a cluster, save files to the **W:\ <userID> Documents** folder. This folder points to your account on the remote server. To save a file to your MyFiles space, select **My Computer**, then double-click the **(W:)** drive then **<userID> Documents**.



You can also access your Server Docs folder by clicking the **<userID Server Docs>** shortcut in the **My Computer** window.



Any files or subfolders (i.e., My Pictures, My Music) of **Server Docs** are accessible from any Windows or Macintosh cluster computer.

Important Note! If you save your files anywhere other than your **Server Docs** or **MyAFS** folder, the files will be **deleted** when you log off the computer. To access your

files from any Windows or Macintosh cluster computer, place them in the **Server Docs** folder labeled with **your userID**.

You will also have the ability to view, copy or restore files and folders from previous versions. Read *Accessing Previous Versions* below for more information.

Manage Your MyFiles Quota

If your MyFiles space becomes full, you will experience performance problems. Consider deleting any unused files from your **Server Docs** folder.

To determine your quota usage read the [Determining Your MyFiles and Roaming Profile Quota](#) page.

Note: You are allocated **1GB** of MyFiles central storage space. This quota will not be increased. To help you avoid problems or error messages, you will be notified by e-mail when your usage reaches 75%, 90%, 95% and 100%.

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Accessing Previous MyFiles Versions

The MyFiles space is automatically backed up twice each day. These backups or "snapshots" allow you to view, copy or perform self-restores from previous versions of your files or folders stored in the MyFiles space.

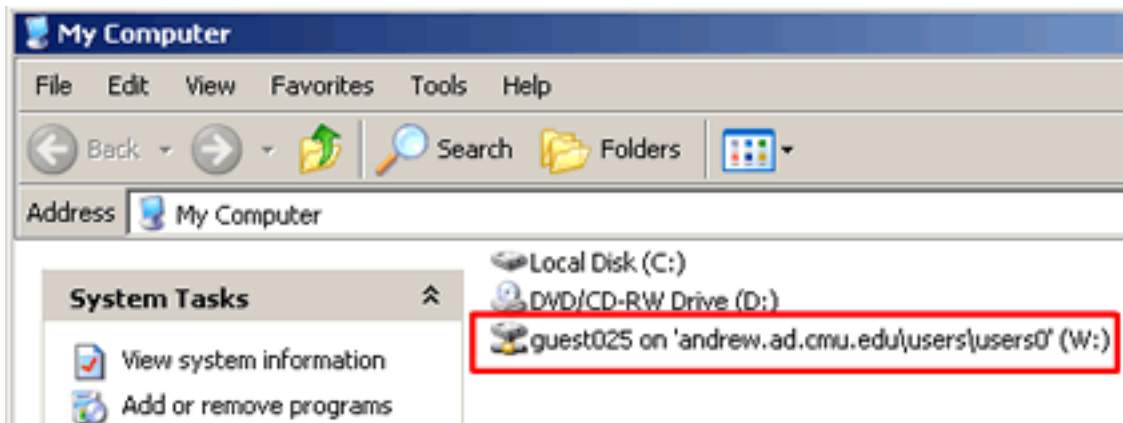
The self-restore feature is helpful if you inadvertently delete a needed file. It is also useful if you modify a file and need to restore from a previous version.

Note: When you restore a previous version of a file or folder, any changes made since the time of that backup are lost. Because the restore feature will overwrite the existing copy of the file or folder, **we strongly recommend** that you use the "View" option to first review the file, then the "Copy" feature to make another copy of the file to an alternate location.

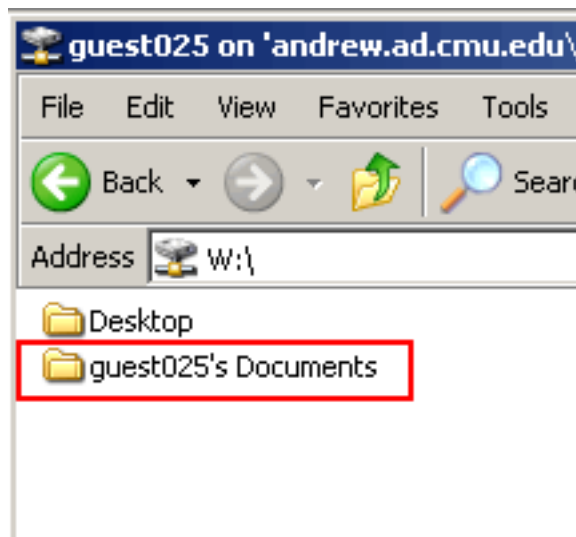
Copy Previous File Versions

Follow these steps to view or copy previous versions of your files:

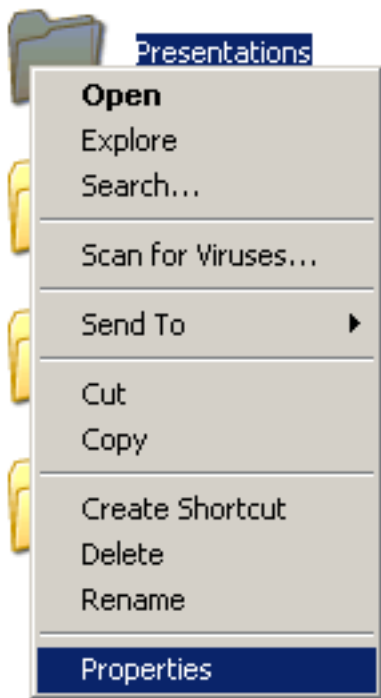
1. Log in to any Windows cluster computer with your Andrew userID and password.
2. Select **Start > My Computer**.
3. The My Computer dialog box appears. Find the network drive letter "**W**" and double-click on that **drive** to open it.



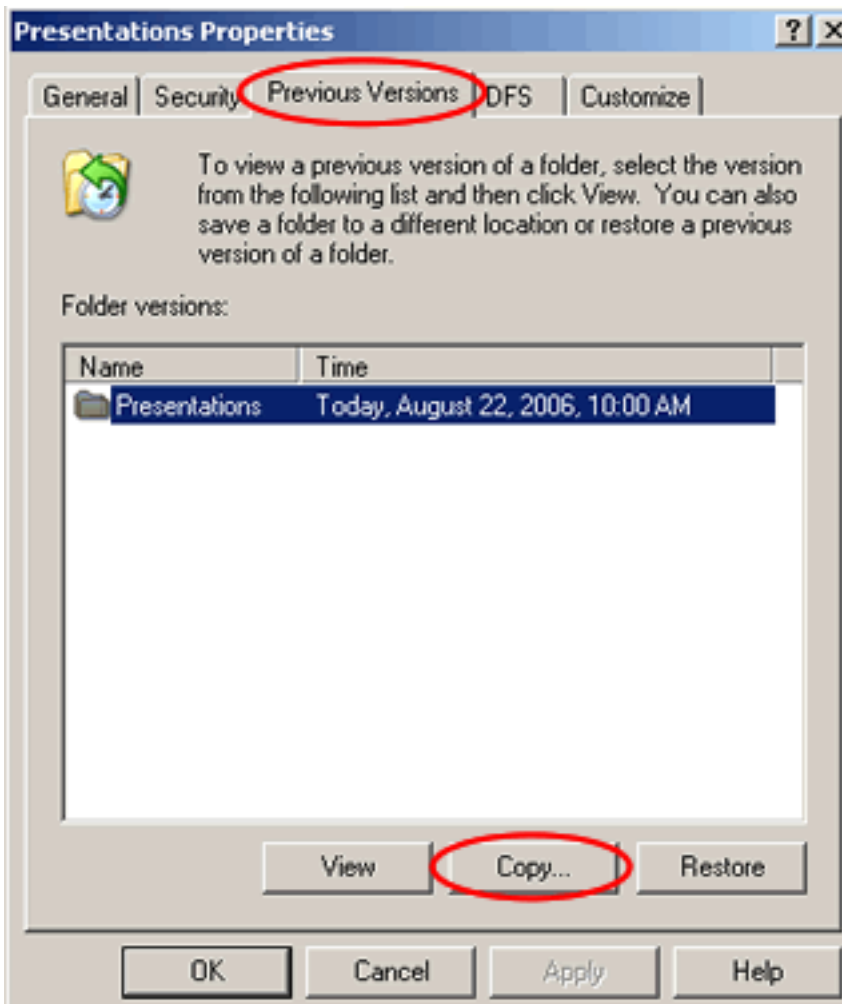
4. Your Desktop and Server Docs folders appear.
 - If you need to restore a file that you had stored on your Desktop, **double-click Desktop** to open the folder.
 - If you need to restore a file from your Server Docs folder, **double-click <userID> Documents** to open the folder.



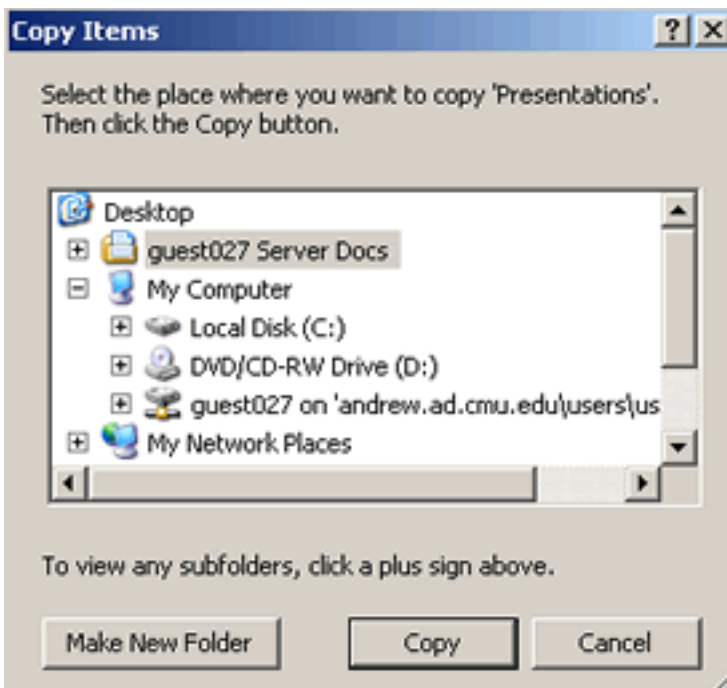
5. To view, copy or restore a file, **right-click** on that specific file or directory and select **Properties** from the pull-down menu.



6. From the **Properties** window, select the **Previous Versions** tab. Files or directories and the dates that they have been backed up are listed.



7. Select the file or folder that you need and click **View**.
8. Review the file to be sure that it is the version that you need. Once you are sure, close the file, return to the **Previous Version** tab and click **Copy**. The Copy Items dialog box appears.



If you're accessing a Server Docs file, you can copy it to:

- another folder within your Server Docs folder OR
- your Desktop OR
- rename it and copy it to the Server Docs folder again

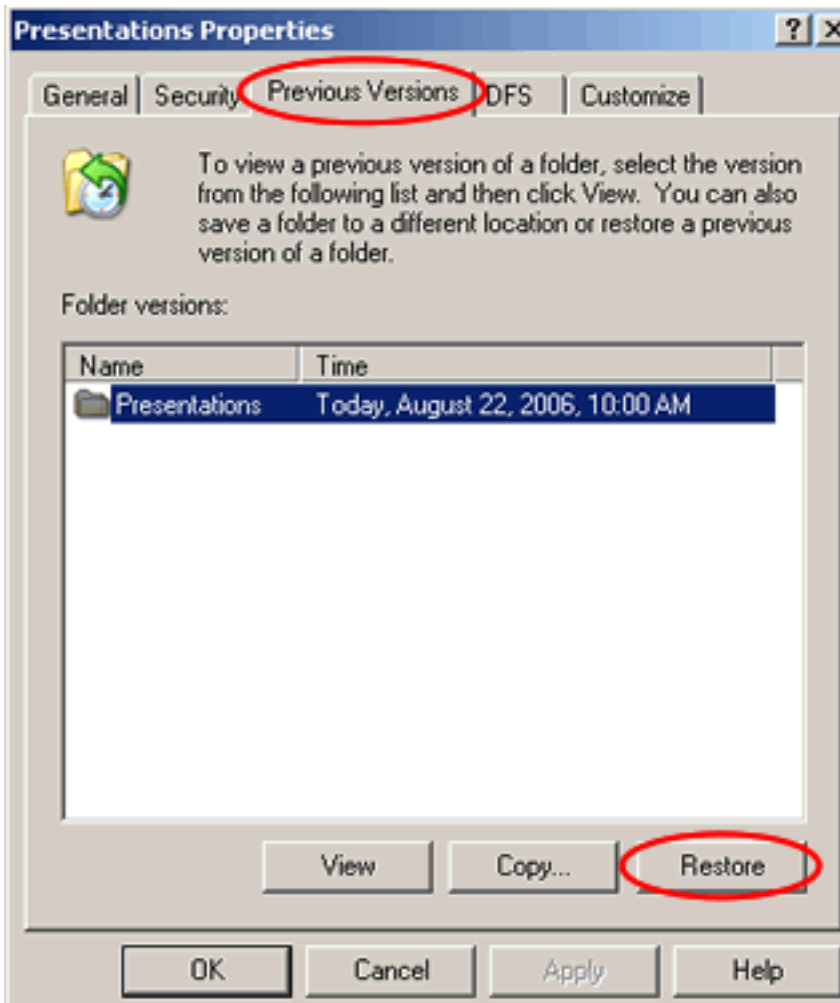
If you're accessing a Desktop file, you can copy it to:

- your Server Docs folder OR
- rename it and copy it to your Desktop again

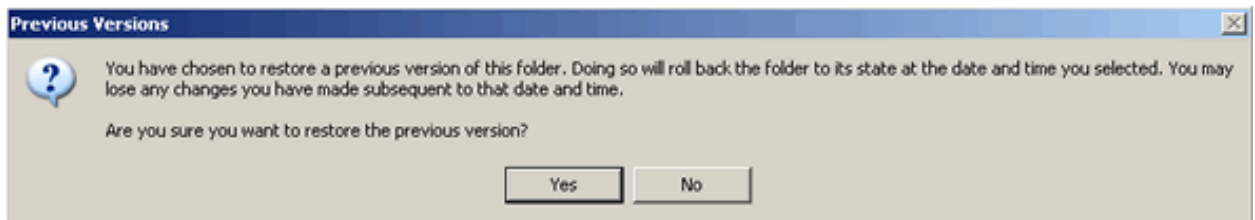
Restore Previous File Versions

To perform a restore of a file, follow these steps:

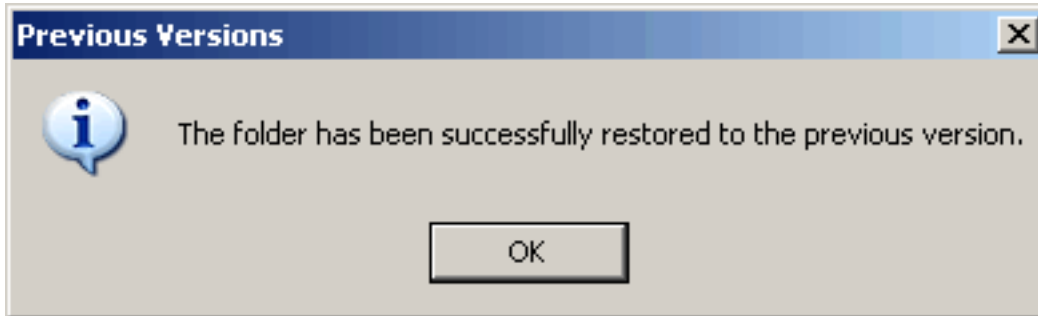
1. From the Previous Versions tab, select the **file or folder** that you want to restore and click **Restore**.



2. The following warning message appears. Click **Yes** to continue with the restore, but remember, the restore feature will **OVERWRITE** the existing copy of the file or folder!



3. The previous version of your file is overwritten and the following dialog box appears.

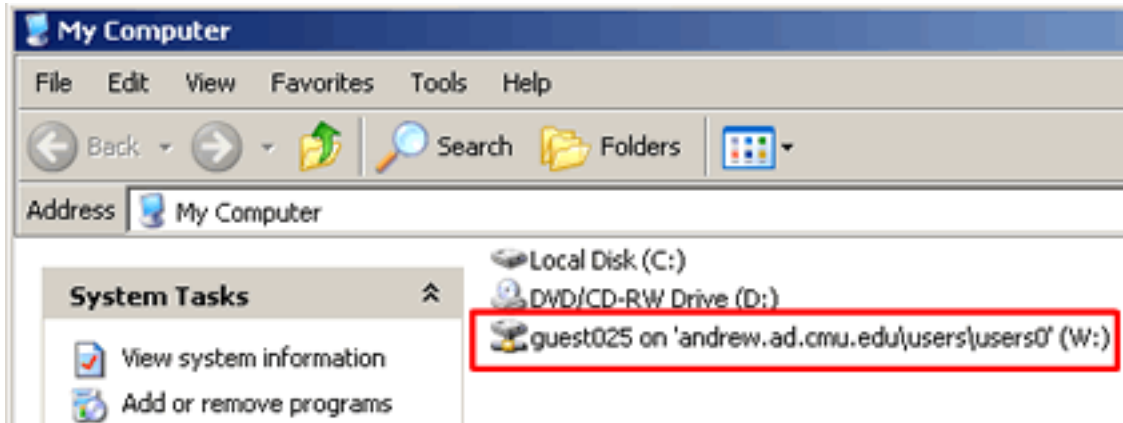


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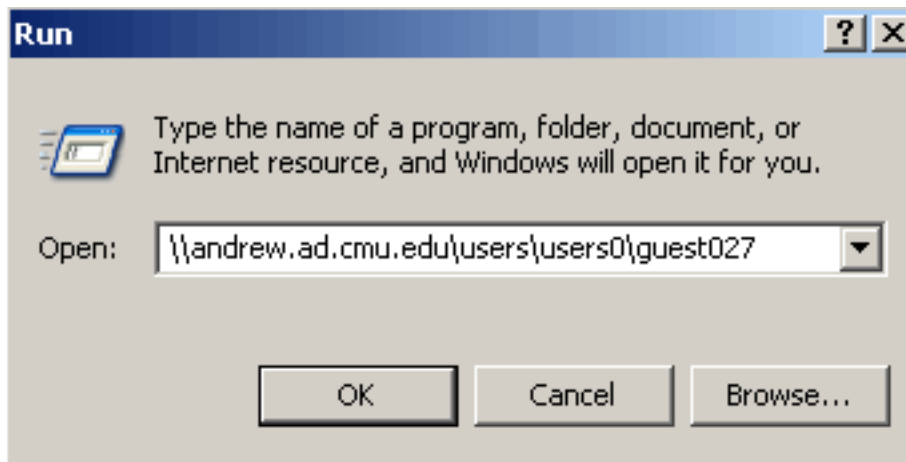
Accessing MyFiles from a Residence Hall or Campus Office

This service was designed for use in public computer clusters, however, you may attempt to access your MyFiles space (**Windows only**) from a residence hall or campus office following these steps:

1. **Note:** This step **needs to be done in a public computer cluster** prior to using MyFiles from your residence hall or campus office. Select **Start > My Computer** and make note of the number that appears at the end of the device address for your **W:** drive. In this example, the number is **0**.



2. From your residence hall or campus office, select **Start > Run**. In the Open text field, enter `\\andrew.ad.cmu.edu\users\usersX\youruserid` (where **X** is the number that appeared for you in step 1 and **youruserid** is replaced with your userID). Click **OK**.



3. The Connect to dialog box appears. Enter your User name (`andrew\yourusername`) and your **Windows password** and click **OK**.

If you have not updated your password recently, you may have a Windows password and an Andrew password. If this is the case, enter your Windows password. If you have updated your password, your Windows and Andrew passwords are the same. Follow the links below if you need to reset your password:

- Click here to [reset your password](http://www.cmu.edu/computing/doc/accounts/passwords/index.html)
(<http://www.cmu.edu/computing/doc/accounts/passwords/index.html>)
[password](https://www.cmu.edu/myandrew/auth/q?loc=webiso&doc=password-change/)
(<https://www.cmu.edu/myandrew/auth/q?loc=webiso&doc=password-change/>)

Other methods of accessing your files include: uploading them to AFS, e-mailing the files to yourself, or using a USB drive to copy the files.

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Roaming Profiles

Roaming profiles save your Windows preferences giving you a consistent look and feel as you move from cluster computer to cluster computer.

Your **Windows** roaming profile information will be stored on a central server with a maximum quota of **20MB**. You can check your quota by visiting the Computing tab of the [Carnegie Mellon Web Portal](http://my.cmu.edu). (<http://my.cmu.edu>)

The first time you logon to a cluster Windows computer, your roaming profile will be created. This profile is saved when you logoff and will be available the next time you log on to any Windows cluster computer.

Roaming profiles offers consistent access to the following:

- **Browser Favorites** - Favorites that you have set up in **Internet Explorer** on one cluster computer will be available on other cluster computers.
- **Recently Used Applications** - Click **Start** on Windows cluster computer and your most recently used programs will appear.

Over Quota Messages

You will receive an e-mail message as you approach your 20MB roaming profile quota. Some applications install directly into your profile space and may cause you to reach your quota quickly. Two situations that can cause this problem are:

- Gaim and GTK or other application installs
- Java cache from web-based java viewing

In order to temporarily fix the problem of being over quota, we recommend clearing your cookies from your browser preferences. Once this is done, you should be able to access your account and use the following steps for Gaim and Java cache to clear more space in your quota.

Clearing Cookies

These instructions will vary slightly according to what browser you are using. To clear cookies:

1. Select **Preferences** from your browser menu
2. Click on the tab for **Privacy**
3. Select **Show Cookies**
4. Select **Remove All**

Gaim and GTK or other application installs

Gaim and GTK install directly into your profile space and use over 20MB of space. This immediately takes you over your roaming profile quota limit.

If you haven't installed Gaim or GTK, but are generating the error, check the following directory to determine if other applications are installed in your profile space:

C:\Documents and Settings\YOURUSERID

To eliminate this problem, uninstall the program and reinstall it in a different location such as your MyFiles space. MyFiles offers 1GB of space and is still available to you from any cluster computer.

In the example of the Gaim and GTK applications, follow these steps to remove the program and reinstall:

1. From a public Windows cluster computer, select **Start > Control Panel > Add/Remove Programs**
2. Select the appropriate program (e.g., Gaim or GTK) and select **Remove**.
3. Re-run the application's installation program using the following as the destination to install to:
 - For Gaim use **w:\Application Data\Gaim**
 - For GTK use **w:\Application Data\GTK**
4. Your roaming profile size will decrease once you logout.

Java cache from web-based java viewing

As you browse the web, you may view web pages that use java to display certain graphical elements. To improve performance, your browser stores these files to your Roaming Profiles space. Follow these steps to remove them:

1. From a Windows cluster computer, select **Start > My Computer**.
2. Double-click **Local Disk (C:)**, then double-click **Documents and Settings**, then double-click **YOURUSERID**.
3. In **YOURUSERID** folder, look for a sub-folder called **.jpi_cache**; and double-click on it to open it.
4. In the **.jpi_cache** folder, look for a sub-folder called **jar**; double-click on it to open it.
5. In the **jar** folder, look for a folder called **1.0**. **Right-click** on the **1.0** folder, then select **Delete** from the drop-down menu to remove the folder and the files.

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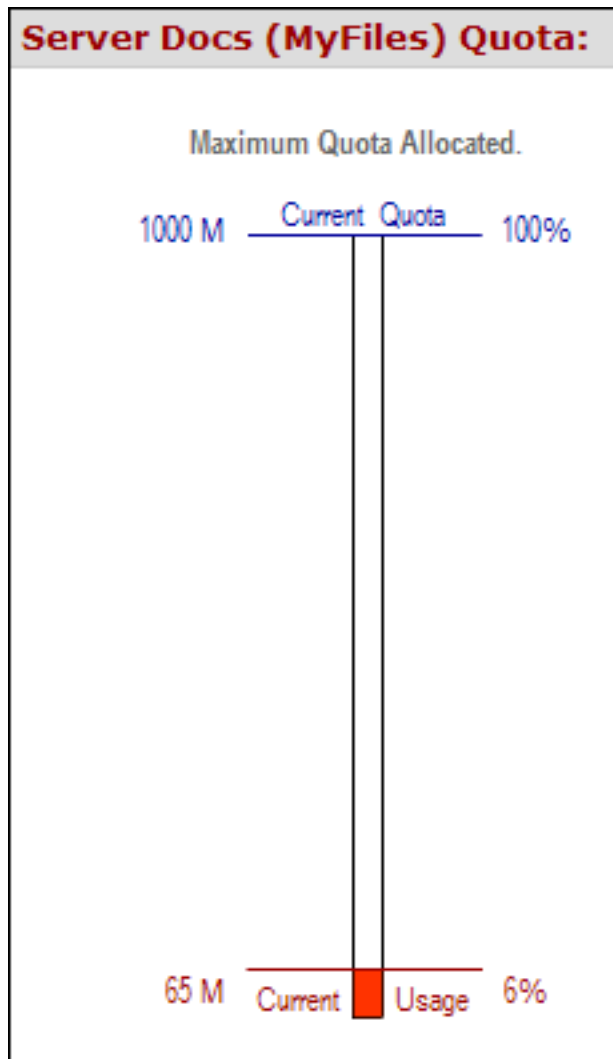
Determining Your Quota

Follow the steps included below to determine your quota usage for:

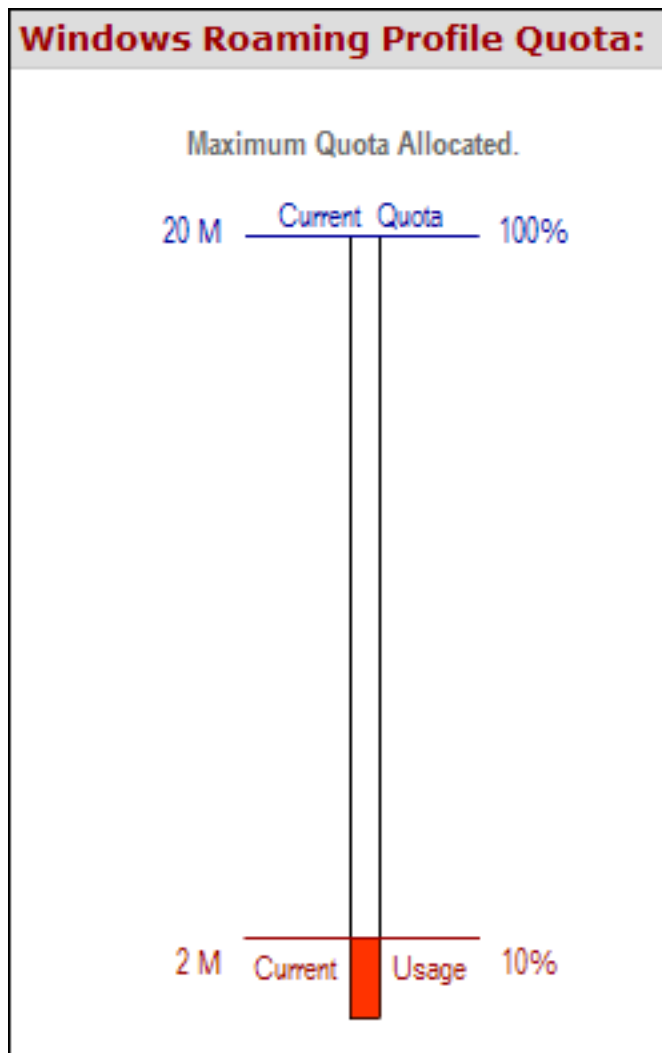
- MyFiles: Windows and Mac operating systems
- Roaming Profiles: Windows only

Quota Usage Steps

1. Visit the Carnegie Mellon Web Portal at <http://my.cmu.edu>.
2. Select the **COMPUTING** tab, and then **Quotas**.
3. Depending on which space you want to check, do one of the following:
 - To view your MyFiles usage on either Windows or Mac, select **Server Docs (My Files) Quota**



- To view your Windows Roaming Profile usage, select **Windows Roaming Profile Quota**



Last Updated: 5/21/09

Web Browsers and CMU Certificates

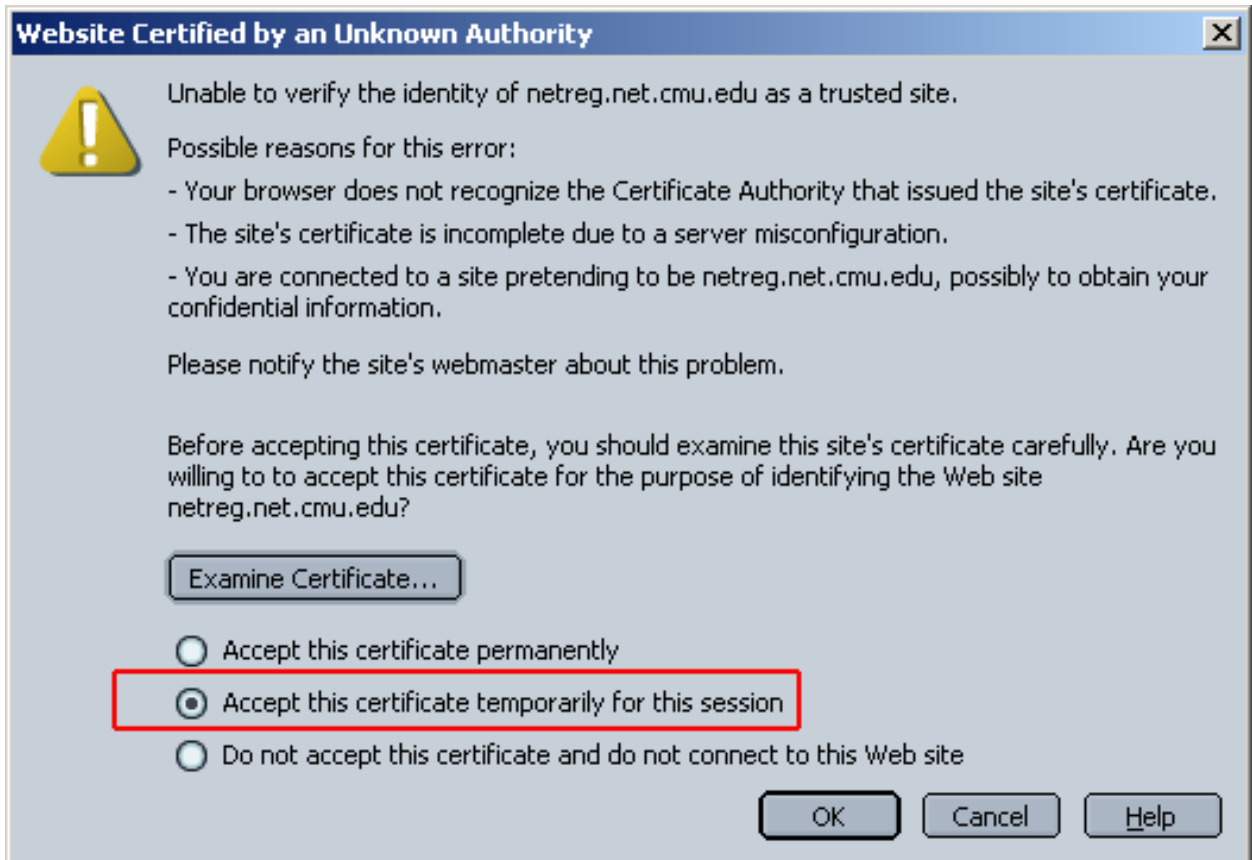
Internet Explorer

The easiest way to access web sites that require CMU certificates (e.g., NetReg, Computing Services' network registration page) is to use Internet Explorer. Computing Services has pre-installed the CMU certificates in Internet Explorer.

Netscape and Firefox

Unfortunately, we are unable to pre-install the certificates in Netscape and Firefox.

1. When you attempt to access a site that requires CMU certificates using Firefox or Netscape, the following warning dialog displays.



2. Select **Accept this certificate temporarily for this session** and click **OK**.

Last Updated: 08/08/06