

User Accounts and File Permissions (V1)

Computer Management is a collection of Windows administrative tools that you can use to manage a local or remote computer. Computer management tools are organized into a single console, which makes it easy to view administrative properties and to gain access to the tools that are necessary to perform your computer-management tasks. In this activity, you will create a user account, called student3, and assign various permissions to student3. Then, you will investigate user groups available on your computer. **Please team up with a friend to answer review questions. Note that you have to log in to your Windows 7 computer as student1, who is the Administrator.**

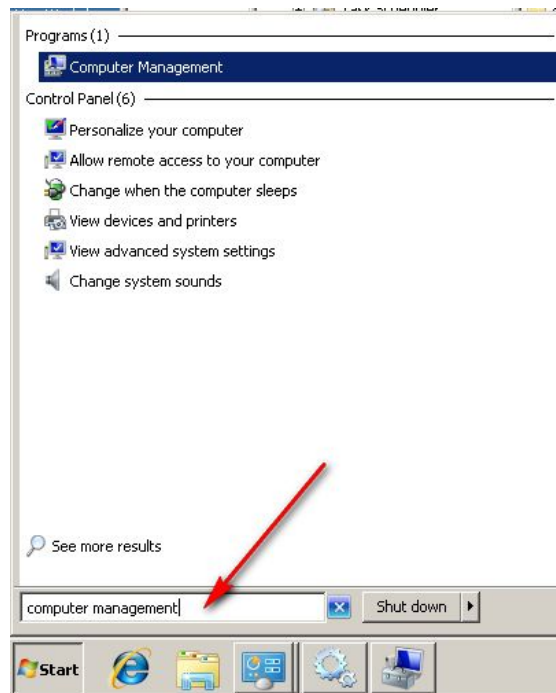
A. Starting Computer Management Console

You can start Computer Management Console using two ways:

1. Click **Start**, then select the **Control Panel**. Click **System and Security**, followed by **Administrative Tools**. Double-click **Computer Management**.

or

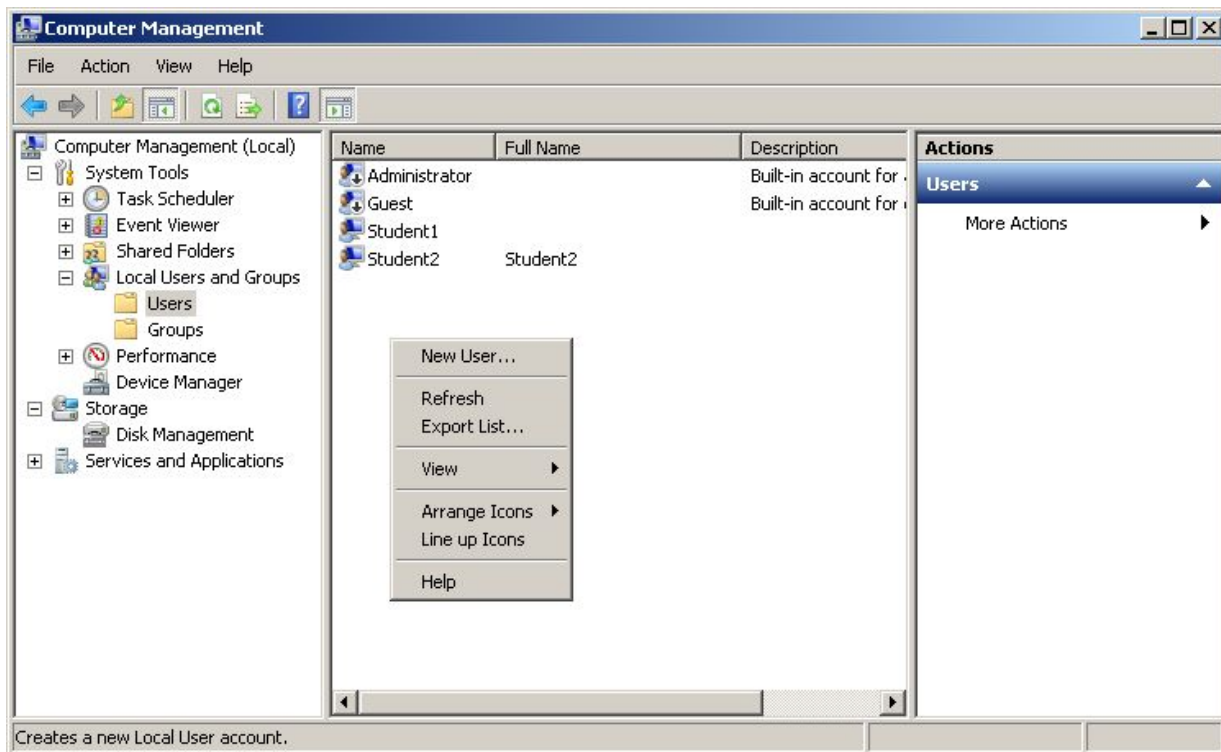
2. Alternatively, you can type **computer management** in the Search Window of the Start menu and then press Enter as shown below.



B. Adding a User Account

In this activity, you will create a user account using Computer Management Console. The user account name will be “**student3**” and the password will be “**student3**”.

1. Start the Computer Management Console as described before.
2. Expand **Local Users and Groups** on the left-hand side panel and double click on the **Users** folder (see the figure below).
3. On the right-hand side panel, you should see the user accounts in your computer. Right-click on the white space under the user accounts and select **New User**. (Alternatively, you can use the **Action** menu to add a New User).



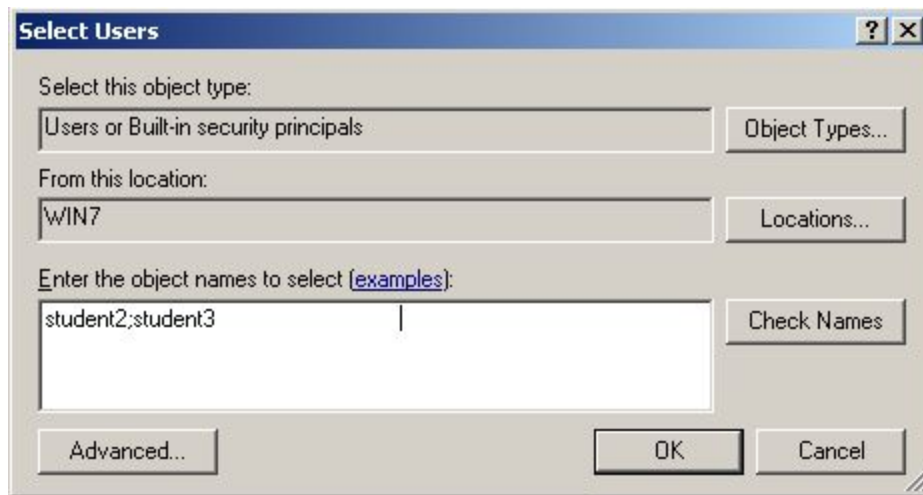
4. Enter “**student3**” as the user name and full name.
5. Enter “**student3**” as the password.
6. Uncheck “User must change password at next login”.
7. Check “Password never expires” and “User cannot change password”.
8. Click **Create** to finish and close the window.
9. You have successfully created a user, student3. You should be able to see student3 on

the user accounts panel.

C. Creating a User Group with Members

Next, you will create a user group called “Students” and assign users student2 and student3 to this group. The members of the Students group will not have the write permission on a folder that you will create in the following steps.

1. In the **Computer Management console** tree, expand **Local Users and Groups** and click **Groups**.
2. Right click on the whitespace area and select **New Group**. Type “Students” in the Group Name window, then click **Add** to add users to this group.
3. In the Object Names window, type `student2;student3`. Use a semicolon between student2 and student3 as shown in the figure below.
4. Click **Ok**. Select **Create**, and then **Close** to finish.



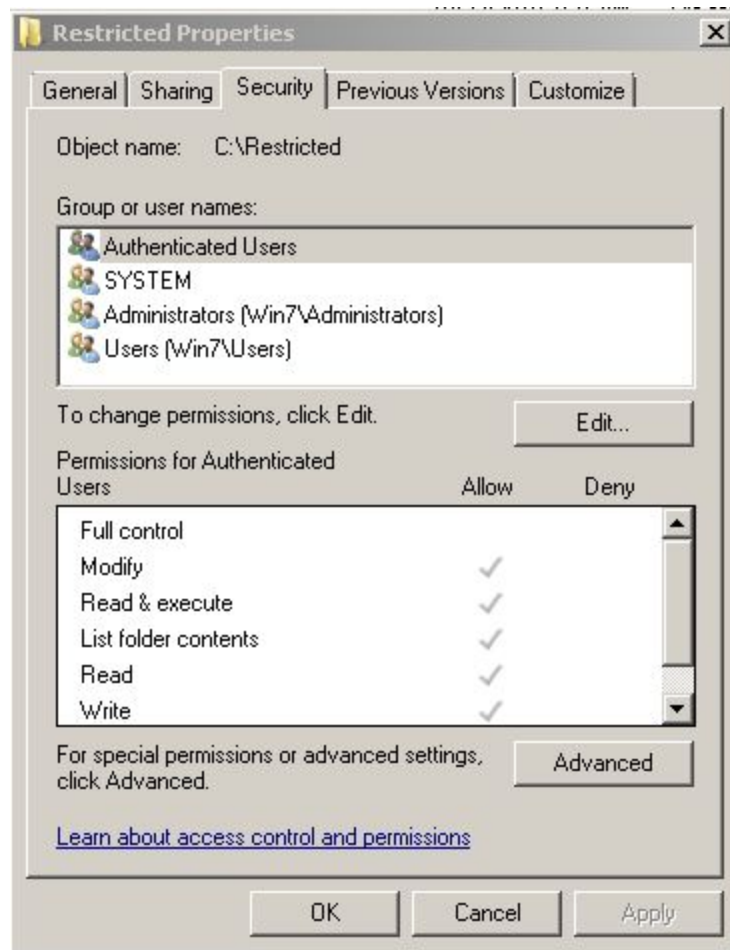
You have successfully created a user group called Students. Next you will use this group to assign folder and file permissions.

Reflective Observation:

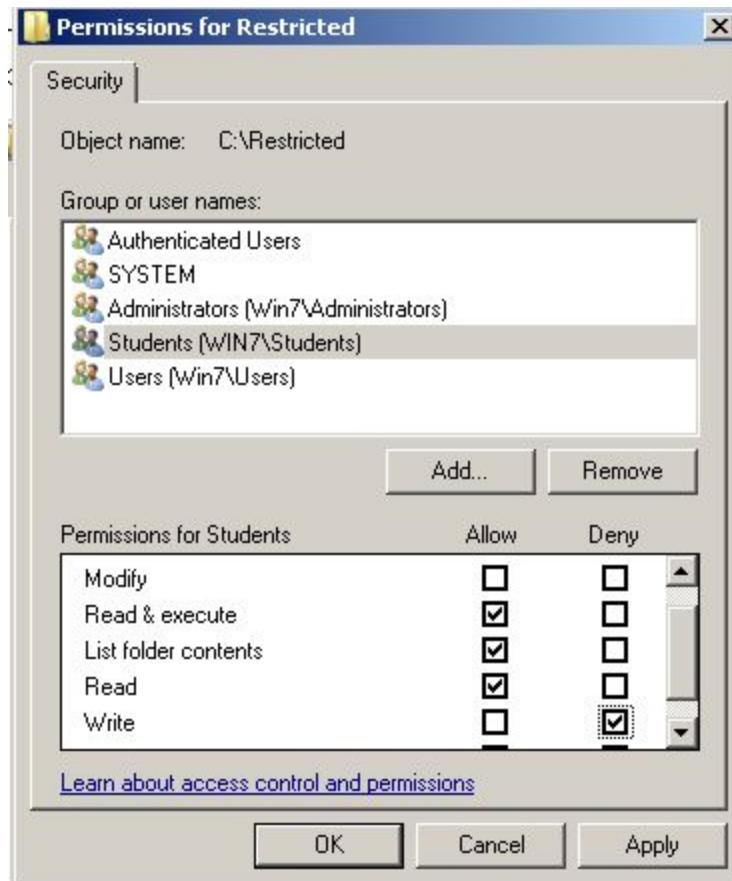
- Investigate the existing groups in your Windows 7 machine. What are the groups? Right-click on the group called Administrators and select **Properties** to identify the members of this group. Which users are members of the Administrator group? Discuss this with your teammate.

C. File Permissions

1. Open **Windows Explorer** and browse to the **C:** drive.
2. Create a folder in the C:\ drive called "Restricted".
3. Right-click on this new folder and select **Properties**, and then click on the **Security tab** (see the figure below).



4. Click **Edit** and then **Add**.
5. In the Object Names window, type "Students". Click **Okay**. The Students group should appear in the **Group or user names** window.
6. Click on the Students group and select **Deny Write** permission and **Allow List folder contents** and **Read** permission as shown in the figure below.



7. Click **Apply**, and if you are prompted with a warning message, click **OK**.
8. Click **OK** until you close all open windows.
9. Log off and login as student3.
10. Browse and open the folder **C:\Restricted** and try to create a file in it.
11. Windows 7 will request an Administrator password for this operation.

Reflective Observation:

- Log off and log in as student1, and then assign write permission to the Students group,

and then try steps 9-11 again. What happens? Discuss your findings with your teammate.

Conceptualization:

- With your teammate, discuss and list possible advantages of assigning user permissions to groups instead of individual users.
- Assume that you are going to install a Windows network domain for a small community college. What user groups should you create for the community college to manage computer accounts and permissions effectively in the network? What are the criteria that you should consider to create these groups?

Active Experimentation:

- Open **Windows Explorer** and browse to the **C:** drive, and then browse folder **Inetpub** and then browse folder **wwwroot**. Right-click on this folder and select **Properties**, and then click on the **Security tab**.
- Investigate the users who has access rights to this folder. For the IUSR user, deny the read permission in folder C:\Inetpub\wwwroot, then open Internet Explorer and type `http://localhost` in the address window (note that your computer is also a web server). What happens? Try to access your teammate's web site by typing type `http://<Partner IP>` in your browser.
- This time allow IUSR user to have the read permission and repeat the test again. Summarize your findings. Why might the web page not be displayed for one case but is displayed for the other case? Discuss with your teammate about how these accounts might be used? Check your answer with your instructor.