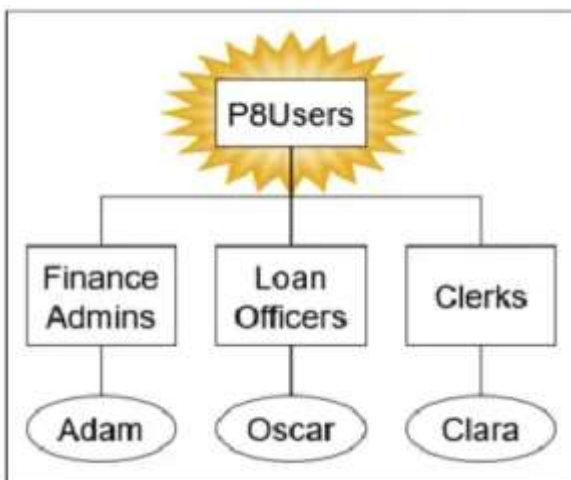


## Use super groups to configure security

There are situations where you want to add a new security user, group, or admin to an existing object store. The best practice is to setup user groups (instead of individual users) to define security on the object store when it is created. In this way, if you want to add a new user, you can add the user to the LDAP group.

A super group is an LDAP group to which you grant default object store access. The advantage of using a super group, when you create the object store, is that it is easy to give new users access to the object store later. If the LDAP directory allows nested groups, you can add the new group to the super group to provide access to the object store.



In the above diagram, users (Adam, Oscar, and Clara) belong to different groups (Finance Admins, Loan Officers, and Clerks). All the groups are members of the P8Users super group. In this scenario, when you create an object store, you can add P8Users as the super group with default access rights. When new users or groups such as Clerks must be added to an object store, you can add them to P8Users. Users then automatically have default access to all existing objects on the object store.

If you use the same super group on multiple object stores, you can grant immediate access to all object stores by adding a user or group to the super group. Otherwise, you can create a separate group for each object store to provide more specific access.

If you use separate groups for each object store, you can also create separate IBM Content Navigator desktops. Each desktop might then use a separate object store for authentication.

If you add the #Authenticated Users security group to an object store, it gives access to all of the LDAP users. By creating a super group, you can control the users who can have access.

---

## Activity: Add groups to an object store by using a super group

---

If you add security groups to the object store when it is created, those groups have default access to all objects on the object store (depending on their level of access). Users who are added to the object store later do not automatically get the same permissions on the existing objects. To grant permissions on the existing objects, you can add new users or groups to a super group or use other methods such as run the security script wizard. In this activity, you will use super groups.

**Important:** This activity builds on the previous activities under the Security topics, and so ensure that the previous activities are completed.

A group called p8users is already created in Active Directory on your student system to be used as a super group.

In this activity, you will accomplish the following:

- Preparation: Add some documents.
- Check a security group before adding it to a super group.
- Add a group to the P8users group.
- Test the access to the existing objects.

### Preparation: Add some documents.

In this task, you will log in to the IBM Content Navigator (ICN) desktop as P8admin, add a folder and some documents. So that they are available to test the access in the following tasks.

- In the **Mozilla Firefox** browser, click the **Finance Desktop** bookmark or enter the following URL: **<http://vclassbase:9081/navigator/?desktop=FinanceDesktop>**
- Type **P8admin** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- Expand the **Finance** repository on the left pane, click **Invoices**, and then click **New Folder** from the toolbar.
- On the **New Folder** page, type **SampleDocs** for the **Folder Name** field and click **Add** in the lower right to create the folder.
- Back on the **Browse** page, double-click **SampleDocs** to open the folder.

- In **Windows Explorer**, browse to the **C:\Training\F2810G\SampleDocs** folder, select a few documents, and then drag them into the ICN Desktop **SampleDocs** folder.

The **Add Documents** page opens.

- In the **Add Documents** page, click **Add**.
- Back on the **Browse** page, verify that the documents are listed under the **SampleDocs** folder.
- Log out of the ICN desktop and close the browser.



## Check a security group before adding it to a super group.

Tia is a domain user in the Active Directory and belongs to the TestGrp group. Although Tia is an authenticated user, she does not have authorization to access any objects in the object store. In this activity, you will log in as Tia and test the access to the ICN desktop and ACCE.

- In the **Mozilla Firefox** browser, click the **Finance Desktop** bookmark or type the following URL: **<http://vclassbase:9081/navigator/?desktop=FinanceDesktop>**
- Type **Tia** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- Verify that **Tia** is not allowed to log in to the ICN desktop.  
IBM Content Navigator Finance desktop uses the Finance object store to authenticate, so users who are not authorized to use the Finance object store will receive an error.
- Close and reopen the **Mozilla Firefox** browser and then click the **ACCE** bookmark or type the following URL: **<http://vclassbase:9080/acce>**
- Type **Tia** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- Try to access different object stores and objects in Administration Console for Content Platform Engine.  
Although this domain user can log in to the administration console, Tia has very limited read-only access to the object stores and objects, and cannot perform any actions.
- Log out of Administration Console for Content Platform Engine and close the browser.  
Adding Tia to the Finance object store directly will provide only basic access to the object store but not to any of the existing objects. You will check this access in the following steps.
- In the **Mozilla Firefox** browser, click the **ACCE** bookmark or type the following URL: **<http://vclassbase:9080/acce>**
- Type **p8admin** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- On the left pane of the **EDU\_P8** tab, expand the **Object Stores** node and then click the **Finance** object store.
- From the **Finance** tab on the right pane, click the **Security** subtab, click the **Add Permissions**, and then select **Add User/Group Permission**.

- On the **Add Users and Groups** page, for the **Search for** field, clear the **Groups** and **Special accounts** options (checkboxes), and leave **Users** selected.
- Type **Tia** for the **Search by** field and then click **Search**.
- In the **Search Results** section, select **Tia** from the **Available Users and Groups** pane and move it to the **Selected Users and Groups** pane.  
Use the forward arrow.
- Scroll down and verify that the **Permission type** field has **Allow**.
- For the **Apply to** field, select **This object and all children** from the list.
- For the **Permission group** field, select **Use Object Store** from the list and then click **OK** to close this page.
- Verify that **Tia** is listed with the permission that you selected, click **Save** to save the changes and then click **Refresh**.
- Log out of the administration console and close the browser.
- In the **Mozilla Firefox** browser, click the **Finance Desktop** bookmark or type the following URL: **http://vclassbase:9081/navigator/?desktop=FinanceDesktop**
- Type **Tia** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- Notice that you get an error message and it is different from the one that you got before adding **Tia** to the object store.
- Click **Close** when you are prompted with the message: You don't have the appropriate permissions to access the object store.
- Verify that the **Browse** page opens, but the user cannot view the existing folders or any objects.
- Log out of **ICN Finance Desktop** and then close the browser.  
Remove **Tia** from the **Finance** object store in the following steps:
- In the **Mozilla Firefox** browser, click the **ACCE** bookmark or type the following URL: **http://vclassbase:9080/acce**
- Type **p8admin** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- On the left pane of the **EDU\_P8** tab, expand the **Object Stores** node and then click the **Finance** object store.
- From the **Finance** tab, click the **Security** subtab.



- Under the **Access Permissions** section, select the **Tia** row and then click **Remove**.
- Verify that **Tia** is not listed on the security list, click **Save**.
- Log out of the administration console and close the browser.

### Add a group to the P8users group.

The easiest way to add users and groups to an object store is to add them to an existing group that already has access. In an earlier activity, you created and configured the Finance object store with the P8users group. In this activity, you will add the TestGrp group to this super group to instantly provide the default access to the object store and its objects.

- From **Programs**, open the **Administrative tools > Active Directory Users and Computers**.

You can also use the Active Directory Users and Computers shortcut on the taskbar.

- From the left pane, click **Users**.
- On the right pane, right-click the **P8users** group and then select **Properties**.
- On the **p8users Properties** page, select the **Members** tab and notice that there are already many groups are listed.
- Click **Add**, type **TestGrp** in the **Enter the object names to select** field, and then click **Check Names**.



The TestGrp is selected (shown with an underline).

- Click **OK**.
- Back on the **p8users Properties** page, verify that **TestGrp** is added to the **Members** tab and then click **OK**.
- Exit **Active Directory Users and Computers**.

## Test the access to the existing objects.

In this task, you will restart the application servers for Content Platform Engine (CPE) and for IBM Content Navigator (ICN) to refresh, clear the browser cache, and test the access to the existing repository objects.

- Restart the application servers in the following steps:
  - On the **Windows** desktop, open the **WebSphere Admin** folder.
  - Right-click **\_3 Stop ICNserver.bat** and then select **Run as administrator**.
  - Click **Yes** if prompted to allow the program to make changes.  
Wait for the command window to close.
  - Right-click **\_4 Stop server1.bat** and then select **Run as administrator**.
  - Click **Yes** if prompted to allow the program to make changes.

Wait for the command window to close.

- Right-click **\_1 Start server1.bat** and then select **Run as administrator**.
  - Click **Yes** if prompted to allow the program to make changes.  
Wait for the command window to close.
  - Right-click **\_2 Start ICNserver.bat** and then select **Run as administrator**.
  - Click **Yes** if prompted to allow the program to make changes.  
Wait for the command window to close.
- To clear the **Mozilla Firefox** browser cache, open the browser, click **History > Clear Recent History** from the Tools bar.
- In the **Clear All History** window, select all the options.



- Click **Clear Now**, close the browser and reopen it.
- Click the **Finance Desktop** bookmark or type the following URL:  
**<http://vclassbase:9081/navigator/?desktop=FinanceDesktop>**
- Type **Tia** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- Verify that **Tia** can view the folders and documents in **Finance** object store.
- Click the down arrow next to **Finance** on the upper right and select **Sales** from the list to access the content of that repository.
- Verify that Tia is able to view the folders and documents, log out of **ICN Finance Desktop** and then close the browser.

Since the P8users super group is configured on the Sales object store, Tia is able to access the Sales repository.