

Set modification access required property

Custom properties of an object can be independently secured. To be able to modify a property, a user generally needs Write access to the property. Content Platform Engine provides more options to control the required access rights to edit custom properties.

Modification Access Required (MAR) property

The property sheets of all property templates have a MAR page that contains a list of access rights. By default, these access rights for all property templates are cleared. If left cleared, then the property template has no modification access behavior and normal property security applies. However, if you select one or more access rights, properties based on the property template will have different security than normal.

For example, if you select Delete access rights for the MAR property, only users who can delete the object can modify that property value.

You can configure property modification security on two levels:

- Property template (affects all classes that use it)
- Property definition of an object class (only affects all instances of a class)

Changes to a property template affect only classes to which you add the template after the change. If you want to change the property modification access on an existing class, you must change the property definition on that class.

If a property is defined to use this additional security layer, users who add documents are still able to set the values during the addition of the document. However, after the document is added, the property is read-only for them. To ensure that properties are not settable when the document is initially added, use an entry template. Entry templates can be configured in IBM Content Navigator.

Property modification access behavior is primarily intended for IBM Enterprise Records. It is available for use by non-records management applications that need granular control over user ability to modify properties.

System property modification

Even administrators cannot normally modify certain system properties such as Creator, DateCreated, LastModifier, and DateLastModified. To modify these properties, an administrator needs the Modify certain system properties permission on the object store.

The permission to modify certain system properties is typically needed only in specific scenarios such as setting up a change preprocessor or importing data by using FileNet Deployment Manager.

Activity: Configure property modification access

Finance clerks can currently edit the value of the InvoiceNumber property of any Invoice that they create. You want only users who have Full Access (including the Delete permissions) to the Invoice documents to be able to change this property. You can customize the modification access for the property to accomplish this goal.

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

In this activity, you will accomplish the following:

- Check the access before property modification access.
- Set property modification access.
- Verify property modification restriction.

Check the access before property modification access.

In a previous activity, Carol, who is a member of the Finance clerks group, created a document. The Finance clerks group does not have delete access for the document. In this task, you will test the access by logging in as Charles who is also a member of the Finance clerks group and edit a property for a document.

- In the **Mozilla Firefox** browser, click the **Finance Desktop** bookmark or type the following URL: **<http://vclassbase:9081/navigator/?desktop=FinanceDesktop>**
- Type **Charles** for the **User name** field, **FileNet1** for the **Password** field, and then click **Log In**.
- On the **Browse** page, expand **Finance > Invoices** and then click the **Carol** folder.
- Right-click the **Invoice 1** document, verify that the **Delete** action is disabled (the action is grayed out and not selectable) and then select **Properties** from the list.
- Edit the value of the **InvoiceNumber** property (For example: **100**) and for the **Document Title** (For example: **Invoice New**) and then click **Save**.
- On the **Browse** page, verify that the document has the new values that you edited.

The title in the middle pane is updated. When you select the document (single-click), you can view the properties of the document on the right pane under Properties section.

You have confirmed that, by default, the Finance clerks group has access to modify the properties and does not have Delete access to this document.

- Log out of ICN **Finance Desktop** and then close the browser.

Set property modification access.

If you configure the modification access on a property template, it will apply to all the object classes that includes the property template. But if you modify the settings on a property definition of a document class, the property template is unchanged and the modification only applies to that particular document class. In this task, you will configure the modification access on a property definition of a document class.

- 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** folder click the **Finance** object store.
- From the **Finance** tab, expand the **Data Design > Classes > Document** and then click **Invoice**.
- From the **Invoice** tab on the right, select the **Property Definitions** subtab and then click the **InvoiceNumber** link.
- On the **Property Definition** page, open the **Modification Access** tab and then observe that all the access rights on the Modification Access page are left unselected.

This indicates that there is no Modification Access Required (MAR) behavior and normal property security applies.
- Select the **Delete** option, and then click **Save**.

This setting defines the MAR behavior and in this case, only the users with Delete access can modify the properties.
- Click **Save** to save the **Invoice** class definition.
- Log out of the administration console, clear the browser cache, and close the browser.

Verify property modification restriction.

In this task, you will test the modification access by logging in as Charles who is a member of the Finance clerks group.

- Repeat the steps in the *Check the access before property modification access* task to log in to ICN **Finance Desktop** as **Charles**, browse to the **Invoice New** document, and then open the **Properties** page.
- Verify that you cannot edit the value of the **InvoiceNumber** property, even though you can edit the **Document Title** by trying to change these values.
- Click **Cancel**, log out of ICN **Finance Desktop**, and then close the browser.

You configured the InvoiceNumber property definition on the Invoice document class, but you did not change the InvoiceNumber property template. If you create a new class and you use this property template, the property will have normal modification access. The configuration change you made applied only to the Invoice class.