

Security Exercise



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GOAL

In this exercise, you will learn how to create user groups, change access rights, and create restrictions in SAP Commerce Cloud. Our scenario is to create a group of employees who can only see Canadian customers.

INSTRUCTIONS

This exercise will be done entirely in **Backoffice**.

Preparation

Log in to **Backoffice** as user **admin** with password **nimda**. In the tree view, expand the **User** folder and examine the entries found there. Click on each entry to get an idea of what items are there already.

Step 1 • Define User Group Permissions

- 1.1 Create the user group canadianCustomerManagementGroup (when you're entering data in the Backoffice create wizard, leave languages and catalogs empty).
- 1.2 After you create the user group, find and edit it to make it a member (sub-group) of the **employeegroup** user group. Don't forget to click on the SAVE button.
- 1.3 Then click on the key icon to bring up the Permission Management popup. Click on the create permission (+) button to grant the user group canadianCustomerManagementGroup Read and Change access to the Customer type.
 - **Note 1:** The canadianCustomerManagementGroup user group inherits privileges from its parent user group **employeegroup**, but they are not automatically displayed in the list. However, if a row is displayed (e.g., when you create a permission to grant access to a certain type), it shows the default or inherited permissions for that type in gray at first.
 - Note 2: Permission Management auto-saves in Backoffice, so you won't see a SAVE Button.

Note 3: In this exercise we are setting/viewing a user group's type access from the user group's (or user's) point of view. However, you can also view these same privileges from the type's point of view: go to *System* > *Types* > *Customer* and click on the **permission management** icon ("folded paper with a lock") to bring up the **Permission Management** popup.

Step 2 • Restrict Visibility for User Group

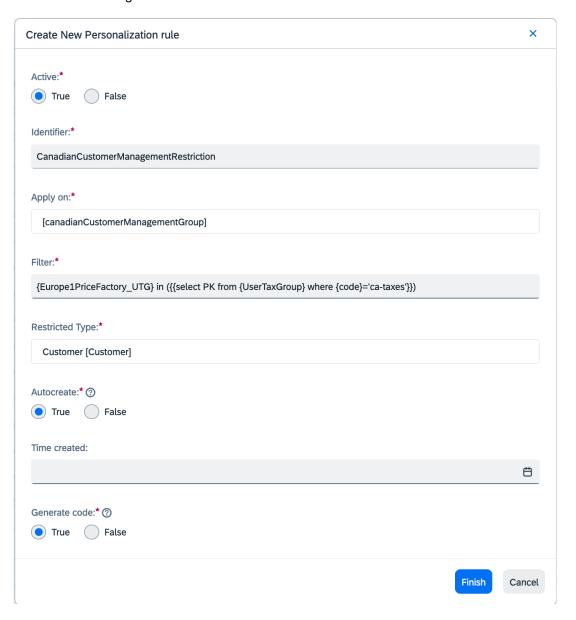
2.1 Under *System -> Personalization*, create a new **Personalization Rule** and give it the identifier **CanadianCustomerManagementRestriction**.

Reason: This restriction is intended to prevent employees in the **CanadianCustomerManagementGroup** from seeing **Customers** who don't have the Tax Group *CA Taxes* (under the PRICES tab's tax group), so set the *Apply On* and *Restricted Type* accordingly.

2.2 Set the **Generate** parameter to **true** and use the following restriction rule on the **filter** field:

```
{Europe1PriceFactory_UTG} in ({{select PK from {UserTaxGroup} where {code}='ca-taxes'}})
```

It should look like the following screenshot:



Verify

To verify your work, go to **HAC** and run the script **verifySecurityExercise**. As the verification script checks only whether or not the usergroup and an associated restriction exist, you should validate your work manually:

- V1 Create canadianCustomerManager as a user of type Employee who also belongs to the canadianCustomerManagementGroup.
- V2 Don't forget to set a password for this user (like 12341234) and set the **Disable backoffice Login** flag to **false** under the Administration tab (not to be confused with the **Disable Login** flag under the **Password** tab).

Out-of-the-box customers aren't assigned a tax group, so you will need to do so to verify the restriction you created:

- V3 Edit a customer on the *User > Customers* page, go the PRICES tab to set the Tax Group to "CA Taxes".
- V4 Then log out of Backoffice and log back in as the canadianCustomerManager.
 - You might see some error messages "An error occurred: Null" appearing, no worry, it's only because the user doesn't have access rights to some pre-loaded instances. As this doesn't affect this exercise, you can simply close the error messages.
- V5 **Navigate** again to *User -> Customers* and perform another default search.

This time, only customers with a "CA Taxes" tax group should appear.

Solution

If you don't wish to complete this exercise manually, you can install the solution provided.

- S1 Navigate to the *Terminal* or *cmd* window where the server is running, and if it is running, stop it by entering CTRL-C.
- S2 Navigate to MYPATH/workspace/TrainingLabTools/exercise Security and execute:

```
ant -f security tasks.xml solution
```

But hold on! If you don't want to stop the server and wait for the solution script to run, you can instead:

S3 Copy the content of

MYPATH/workspace/TrainingLabTools/exercise_Security/solution/securityExercise.impex paste it into the HAC Impex Import console (https://localhost:9002/console/impex/import), and run it.

RECAP

In this exercise, you learned how to assign access rights on types to user groups and how to create restrictions on items within Backoffice.

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