



Security

Exercise

TABLE OF CONTENTS

GOAL3

INSTRUCTIONS3

Preparation3

Step 1 • Define User Group Permissions3

Step 2 • Restrict Visibility for User Group.....4

Verify5

Solution5

RECAP5

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:

The screenshot shows a 'Create New Personalization rule' dialog box with the following fields and values:

- Active:** ☒ True ☐ False
- Identifier:** CanadianCustomerManagementRestriction
- Apply on:** [canadianCustomerManagementGroup]
- Filter:** {Europe1PriceFactory_UTG} in ({{select PK from {UserTaxGroup} where {code}='ca-taxes'}})
- Restricted Type:** Customer [Customer]
- Autocreate:** ☒ True ☐ False
- Time created:** [Empty field with a calendar icon]
- Generate code:** ☒ True ☐ False

At the bottom right, there are 'Finish' and 'Cancel' buttons.

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.

www.sap.com

© 2023 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

The information contained herein may be changed without prior notice. Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, and they should not be relied upon in making purchasing decisions.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. All other product and service names mentioned are the trademarks of their respective companies. See www.sap.com/copyright for additional trademark information and notices.

SAP Customer Experience

