

Creating and Deleting Many User Roles for the MDM Hub

Abstract

This article describes how to use the role creation tool and the role deletion tool to create and delete many user roles in the MDM Hub.

Supported Versions

- ◆ MDM Multidomain Edition 9.5.1, 9.6.0, 9.6.1, and 9.7.0

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Overview

Use the role creation tool and role deletion tool to quickly create or delete up to 200 roles with the same resource privileges as an existing source role. If you do not use the role creation tool or role deletion tool, the MDM Hub requires you to manually create and delete Security Access Manager roles through the MDM Hub console. The role creation tool and role deletion tool avoids the time-consuming process of manually creating and deleting each role and manually assigning resource privileges to each role.

Unzipping the Role Creation Tool and Role Deletion Tool

Before you can use the role creation tool and the role deletion tool, you must unzip the files to an empty directory. Contact Informatica Global Customer Support to get the zip file.

1. Unzip the file `MDM_Role.zip` to an empty directory.
The file `MDM_Role.zip` contains the following files:
 - ◆ `CopyRole.cmd`
 - ◆ `CopyRole.sh`
 - ◆ `DeleteRole.cmd`
 - ◆ `DeleteRole.sh`
 - ◆ `ojdbc6.jar`
 - ◆ `role.properties`
 - ◆ `RoleManagement.jar`
2. Ensure the java PATH variable for your environment is Java version 1.6.0.30 or higher.

Creating Roles

To create roles, you must create a source role, edit the `roles.properties` file, and then create the roles.

Step 1. Create a Source Role

You must create a source role. The roles that you create with the role creation tool have the same resource privileges as the source role.

1. In the MDM Hub console, create a Security Access Manager role. This is the source role.
2. Assign the most common resource privileges to the source role.

The role creation tool creates roles with the same resource privileges as the source role. Assign the most common resource privileges to reduce the time spent manually modifying the privileges of the roles you create.

3. Close the MDM Hub console.
4. Stop the application server.

Step 2. Edit the roles.properties File

Before you run the role creation tool, you must configure the `roles.properties` file for your environment. The `role.properties` files contains sample properties to help you configure the file.

1. Edit the properties to provide the credentials for your database.
 - ♦ For Oracle environments, enter the following properties:
 - `database.type=oracle`
 - `database.hostname`
 - `database.portnumber`
 - `database.servicename`
 - `database.username`
 - `database.password`
 - ♦ For Microsoft SQL Server environments, enter the following properties:
 - `database.type=sqlserver`
 - `database.hostname`
 - `database.portnumber`
 - `database.dbname`
 - `database.username`
 - `database.password`
 - ♦ For IBM DB2 environments, enter the following properties:
 - `database.type=db2`
 - `database.hostname`
 - `database.portnumber`
 - `database.dbname`
 - `database.username`
 - `database.password`
2. Edit the following property to provide the name of the source role:
 - ♦ `MDM.existing.role.name`

3. Edit the following property to provide the number of roles you want to create:
 - ♦ MDM.number.of.new.roles

Note: You can create a maximum of 200 roles.
4. For each role that you want to create, edit the following properties for each role to provide the name and description of each role:
 - ♦ MDM.new.role.name<#>
 - ♦ MDM.new.role.externalname<#>
 - ♦ MDM.new.role.description<#>

is a number between 0 and (MDM.number.of.new.roles)-1.

Step 3. Create the Roles

To create the roles that you specified in the `roles.properties` file, run the role creation tool.

1. Run the roles creation tool:
 - ♦ On Windows: Run `CopyRole.cmd`.
 - ♦ On UNIX: Run `CopyRole.sh`.

Security Access Manager roles are created in the Operational Reference Store.
2. Start the application server.
3. Verify that the role creation tool created the roles that you specified in the `roles.properties` file. In the MDM Hub console, go to **Security Access Manager > Roles**.
4. If you want any of the new roles to have different resource privileges than the source role, change the resource privileges for these roles.

Deleting Roles

To delete roles, edit the `roles.properties` file and then delete the roles.

Step 1. Edit the roles.properties File

Before you run the role tool to delete roles, you must configure the `roles.properties` file for your environment.

1. Edit the properties to provide the credentials for your database.
 - ♦ For Oracle environments, enter the following properties:
 - database.type=oracle
 - database.hostname
 - database.portnumber
 - database.servicename
 - database.username
 - database.password
 - ♦ For Microsoft SQL Server environments, enter the following properties:
 - database.type=sqlserver
 - database.hostname
 - database.portnumber

- database.dbname
- database.username
- database.password
- ◆ For IBM DB2 environments, enter the following properties:
 - database.type=db2
 - database.hostname
 - database.portnumber
 - database.dbname
 - database.username
 - database.password
- 2. Edit the following property to provide the number of roles you want to create:
 - ◆ MDM.number.of.delete.roles

Note: You can delete a maximum of 200 roles.
- 3. For each role that you want to delete, edit the following property for each role to specify the name of each role:
 - ◆ MDM.delete.role.name<#>

is a number between 0 and (MDM.number.of.delete.roles)-1.

Step 2. Delete the Roles

To delete the roles that you specified in the `roles.properties` file, run the role deletion tool.

1. Run the role deletion tool:
 - ◆ On Windows: Run `DeleteRole.cmd`.
 - ◆ On UNIX: Run `DeleteRole.sh`.

Security Access Manager roles are deleted in the Operational Reference Store.
2. Start the application server.
3. Verify that the role deletion tool deleted the roles that you specified in the `roles.properties` file. In the MDM Hub console, go to **Security Access Manager > Roles**.

Author

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