

**MicroStrategy**

**AQ**

**Intelligent Enterprise Scripts**

**AQ – Delete Subscriptions Owned by Departed users**

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## What does the script do?

//list login, enabled properties, and fullname for all users

ResultSet oUsers = executeCapture("LIST LOGIN, ENABLED, FULLNAME FOR USERS IN GROUP \"Everyone\";");

//retrieve all projects

ResultSet projects = executeCapture("LIST ALL PROJECTS;");

int subscriptionsDeleted=0;

//iterate through the users

oUsers.moveFirst();

while (!oUsers.isEof()){

Boolean bEnabled = (Boolean)oUsers.getResultCell(DisplayPropertyEnum.ENABLED).getValue();

//only process Disabled users

if ((bEnabled != null) && (! bEnabled.booleanValue())){

String sLogin = oUsers.getResultCell(DisplayPropertyEnum.LOGIN).getValueString();

// printOut("Processing Disabled User '" + sLogin + "'");

projects.moveFirst();

while(!projects.isEof()){

//get status of project first

String status = projects.getFieldValueString(DisplayPropertyEnum.PROJECT\_STATUS\_2);

if(status.equalsIgnoreCase("Loaded")) {

//only delete subscriptions in loaded projects

String projectName = projects.getFieldValueString(DisplayPropertyEnum.NAME);

// printOut("Processing for project " + projectName);

ResultSet userSubscriptions = executeCapture("LIST ALL SUBSCRIPTIONS FOR OWNER '" + sLogin + "' FOR PROJECT '" + projectName +"';");

userSubscriptions.moveFirst();

while(!userSubscriptions.isEof()){

String subscriptionGUID = userSubscriptions.getFieldValueString(DisplayPropertyEnum.GUID);

String subscriptionName = userSubscriptions.getFieldValueString(DisplayPropertyEnum.NAME);

String command = "DELETE SUBSCRIPTION GUID " + subscriptionGUID + "' FROM PROJECT '" + projectName + "';";

printOut("Deleting subscription " + subscriptionName + " with GUID " + subscriptionGUID + " from project " + projectName + " for user " + sLogin);

// execute(command);

userSubscriptions.moveNext();

subscriptionsDeleted++;

}

}

//move to next row

projects.moveNext();

}

}

oUsers.moveNext();

}

printOut("There were " + subscriptionsDeleted + " subscriptions deleted successfully.");

The script lists all the departed users in the system whose user accounts are disabled. For each, disabled user account and with project status enabled, the script will list all the subscriptions owned by the departed user and deletes the subscriptions.

## When does the script run?

The script is scheduled to run once bi-weekly in all AQDT environments.

## What is the need for the script?

This script ensures a clean environment in the system. Removing unwanted subscriptions will reduce the load on the system and also the error percentage resulting in a better performance and clean metadata.

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| Name | Date | Version | Change description |
| Shruthi Mulagada | 11/26/2019 | 1.1 | Document creation |
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