

**MicroStrategy**

**AQ**

**Intelligent Enterprise Scripts**

**AQ – Delete Unassigned Security Filters**

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## What does the script do?

//list all projects

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

oProjectList.moveFirst();

while (!oProjectList.isEof()) {

String sProject = oProjectList.getFieldValueString(NAME);

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

//check if this project is loaded or not.

//we do not process projects that are not 'loaded' status

if (status != null && status.equalsIgnoreCase("loaded")) {

// printOut("Processing Loaded Project:" + sProject);

} else {

//printOut("Not Processing Unloaded Project:" + sProject);

oProjectList.moveNext();

continue;

}

// Retrieve the security filter list for Project

ResultSet oResultSet = executeCapture("LIST ALL SECURITY FILTERS FOR PROJECT '" + sProject + "';");

oResultSet.moveFirst();

while (!oResultSet.isEof()) {

String sSecurityFilterName = oResultSet.getFieldValueString(NAME);

String sFolder = oResultSet.getFieldValueString(FOLDER);

String sQuery = "LIST PROPERTIES FOR SECURITY FILTER \"" + sSecurityFilterName +"\" FOLDER \""+sFolder+ "\" FOR PROJECT \"" + sProject +"\";";

ResultSet oResult = executeCapture(sQuery);

oResult.moveFirst();

String sExpression = oResult.getFieldValueString(EXPRESSION);

//List users

ResultSet lUserResultSet = (ResultSet) oResult.getFieldValue(DisplayPropertyEnum.USER\_RESULTSET);

if (lUserResultSet.getRowCount() > 0) {

lUserResultSet.moveFirst();

while (!lUserResultSet.isEof()) {

String lLogin = lUserResultSet.getFieldValueString(DisplayPropertyEnum.LOGIN);

// printOut(sProject+";"+sSecurityFilterName+";"+sFolder+";"+sExpression+";"+"Assigned to User;"+";"+lLogin);

lUserResultSet.moveNext();

}

}

// List Groups

ResultSet lUserGroupResultSet = (ResultSet) oResult.getFieldValue(DisplayPropertyEnum.USER\_GROUP\_RESULTSET);

if (lUserGroupResultSet.getRowCount() > 0) {

lUserGroupResultSet.moveFirst();

while (!lUserGroupResultSet.isEof()) {

String lGroupName = lUserGroupResultSet.getFieldValueString(DisplayPropertyEnum.USER\_GROUP);

// printOut(sProject+";"+sSecurityFilterName+";"+sFolder+";"+sExpression+";"+"Assigned to Group;"+lGroupName+";");

lUserGroupResultSet.moveNext();

}

}

// End of list Users and Groups

//List Security Filters that are not assigned to a user or group

if (lUserResultSet.getRowCount()==0&&lUserGroupResultSet.getRowCount()==0) {

printOut("DELETE SECURITY FILTER "+sSecurityFilterName+" FOLDER "+sFolder+" FROM PROJECT "+sProject+";");

}

//End of List Security Filters that are not assigned to a user or group

oResultSet.moveNext();

}

oProjectList.moveNext();

}

The script lists the security filters for a given project with project status ‘loaded’. For each given security filter, the script counts for the user group result set, if the count is 0 then the security filter is no assigned to any group/user and can be deleted from the system.

## 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 unassigned security filters ensures clean metadata.

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