

**MicroStrategy**

**AQ**

**Intelligent Enterprise Scripts**

**AQ – Delete Inactive Intelligent Cubes Caches**

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## What does the script do?

ResultSet oCubeCacheList = executeCapture("LIST ALL INTELLIGENT CUBE CACHES;");

printOut(oCubeCacheList.getRowCount());

oCubeCacheList.moveFirst();

while (!oCubeCacheList.isEof()) {

String sProject = oCubeCacheList.getFieldValueString(PROJECT);

String sName = oCubeCacheList.getFieldValueString(NAME);

String sGUID = oCubeCacheList.getFieldValueString(ID);

int sHitCount = (int)oCubeCacheList.getFieldValue(HIT\_COUNT);

Date LastUpdateTime = (Date) oCubeCacheList.getResultCell(DisplayPropertyEnum.LAST\_UPDATED\_TIME).getValue();

Date Today = new Date();

java.time.LocalDate sToday = java.time.LocalDate.parse( new java.text.SimpleDateFormat("yyyy-MM-dd").format(Today) );

java.time.LocalDate sLastUpdateTime = java.time.LocalDate.parse( new java.text.SimpleDateFormat("yyyy-MM-dd").format(LastUpdateTime) );

int days = java.time.Period.between(sLastUpdateTime,sToday).getDays();

int months = java.time.Period.between(sLastUpdateTime,sToday).getMonths();

// printOut(sName + sProject + months);

if (sHitCount == 0 && months > 0) {

execute("DELETE INTELLIGENT CUBE CACHE GUID "+sGUID + " FOR PROJECT \""+sProject+"\";");

// printOut(sName + ";" + sGUID + ";" + sProject + ";" + sHitCount);

}

oCubeCacheList.moveNext();

}

The script lists all the intelligent cube caches in the system irrespective of the cache status and the project. The script then looks for the cube caches that are older than 30 days and with hit count 0, which means that the cube has been refreshed and is loaded in the system, but never used by any user.

## 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 intelligent cube caches from the system frees a lot of memory and also keeps the environment user friendly by making it fast and reduced error rate.

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