A Few Useful SQL Queries for System Platform

Here are some tips for more advanced Wonderware System Platform users.

These are all SQL queries, and can be executed from SQL Management Studio, selecting the database that matches your Galaxy name.

CAUTION: Do not make changes to any data in this database. You are peeking behind the scenes of the IDE here, and could corrupt your galaxy very easily if you’re not careful.

1. Get a list of ALL checked-out objects

   ```sql
   SELECT tag_name
   FROM gobject
   WHERE checked_out_by_user_guid IS NOT NULL
   ```

2. Get a list of all Attributes/UDAs with Alarming enabled

   ```sql
   SELECT *
   FROM internal_all_alarms_view
   ```

3. Get a list of all objects on a platform.
   Substitute your actual platform name for ‘GRplatform’ below.

   ```sql
   SELECT internal_common_obji.tag_name
   FROM gobject g
   INNER JOIN internal_common_obji
   ON g.object_id = internal_common_obji.myplatform
   WHERE internal_common_obji.myplatform IN
   (   
       SELECT gobject_id
       FROM gobject
       WHERE tag_name = 'GRplatform'
   )
   ```

4. Get a list of all Attributes/UDAs with History enabled

   ```sql
   SELECT g.tag_name + '.', p.primitive_name
   AS name,
   p.object_id,
   p.package_id,
   p.mx_primitive_id
   FROM dbo.gobject AS g
   ```
inner join dbo.primitive_instance as p
inner join dbo.primitive_definition as pd
inner join dbo.package as pkg
where (g.is_template = 0) and (g.namespace_id = 1)