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Knowledge Base Article

Product Group: Software
Product: CMSW7700 - @ptitude Monitoring Suite
Version: N/A

Abstract

Over time, a customer's database will grow and its performance will start to degrade. In addition, the historical data may no longer be of use. One way to remove older data is by using the *archive* feature in the SKF @ptitude Monitoring Suite application. However, before configuring the assets for archiving, a customer may want to start with the largest hierarchy first. This article explains the procedure for finding the hierarchy with the most data in it.

Overview

To figure out which hierarchy has the most data for an Oracle database, follow the instructions below. SQLPlus will need to be used to query the database for this information. To execute a statement, copy the code provided and then paste into SQLPlus.

1. Login to SQLPlus using the following credentials:

    Username: **skfuser1**
    Password: **cm**

2. Use the following query to figure out the **measurement count** by hierarchy name:

```sql
select
    TS.TBLSETNAME,
    Count (MS.MeasId) "Count of Measurements"
from
    TREEELEM     TE inner join
    MEASUREMENT MS on TE.TREEELEMID =
MS.POINTID inner join
    TABLESET     TS on TE.TBLSETID =
TS.TBLSETID
where
    TE.CONTAINERTYPE = 4 and TE.HIERARCHYTYPE
= 1
group by TS.TBLSETNAME
```

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3. Use the following query to return the **number of readings** by hierarchy
   name:

```
select
    TS.TBLSETNAME,
    Count (MR.ReadingId) "Count of Readings"
from
    TREEELEM    TE inner join
    MEASREADING MR on TE.TREEELEMID =
MR.POINTID inner join
    TABLESET    TS on TE.TBLSETID =
TS.TBLSETID
where
    TE.CONTAINERTYPE = 4 and TE.HIERARCHYTYPE
= 1
group by TS.TBLSETNAME
```

4. Adding the following code to the *where* clause will exclude any records
   that may be marked for deletion:

```
select
    TS.TBLSETNAME,
    Count (MS.MeasId) "Count of Measurements"
from
    TREEELEM    TE inner join
    MEASUREMENT MS on TE.TREEELEMID =
MS.POINTID inner join
    TABLESET    TS on TE.TBLSETID =
TS.TBLSETID
where
    TE.CONTAINERTYPE = 4 and TE.HIERARCHYTYPE
= 1 and
    TE.ParentId <> 2147000000
group by TS.TBLSETNAME
```

Once the information is obtained, exit SQLPlus and begin archiving.

For further assistance, please contact the Technical Support Group by phone at
1-800-523-7514 option 8, or by email at tsg-americas@skf.com.

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