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Knowledge Base Article

Product Group: Software; Microlog Analyzer
Product: CMSW7400 - @ptitude Analyst
Version: N/A

Abstract

When data is collected from a SKF Microlog Analyzer that is set to the wrong date, the data will reflect the incorrect date in SKF @ptitude Analyst. Currently in @ptitude Analyst, the ONLY way to change the dates in the software is one POINT at a time, by going to the Properties of the Measurement, then adjusting the Date/Time accordingly. This becomes an issue when there are several hundred measurements which are incorrect. This article describes a procedure to fix the dates for multiple measurements at once using the SQLPlus editor from Oracle.

Overview

SKF @ptitude Analyst allows the ability to use the "Edit by Attribute" function to edit multiple POINTs with just a few clicks. Unfortunately, this function does not extend down to the measurement level. If a small or large amount of measurements have been collected with the incorrect date in the Microlog Analyzer, after an upload, the date in the application will also reflect incorrectly.

This example is based on data that was collected via a Microlog on two consecutive days. The date in the Microlog was set at 07/16/**2012** and 07/17/**2012**.

The day was correct, but the year was incorrect. The date should have read 07/16/**2013** and 07/17/**2013**.

In order to change the measurement dates to reflect that of which they should have been, we can do the following:

1. Create a backup of the measurement table. This is where the measurements are stored. To do this, log in to SQLPlus and run an SQL statement. [Figure 1]

   User Name: skfuser1
   Password: cm
   Host String: The database name goes here

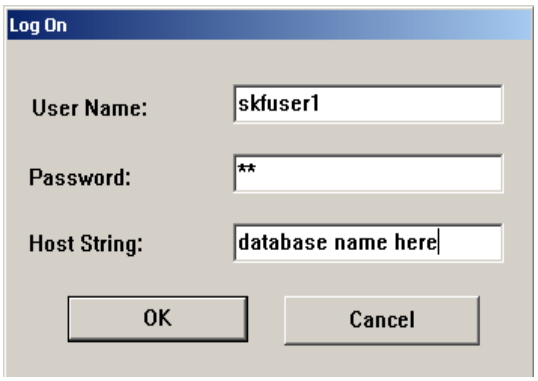

Figure 1. Login to SQLPlus

2. Once at the SQL prompt, type (or copy and paste) the following SQL statement [Figure 2] and press enter:

   SQL> CREATE TABLE measbak AS SELECT * FROM measurement;

```
SQL> CREATE TABLE measbak AS SELECT * FROM measurement;

Table created.
```

Figure 2. Executing statement to backup measurement table

3. Now that the measurement table has been safely backed up, edit the UPDATE statement below to reflect the date range that needs to be changed.

   NOTE: THIS STATEMENT WILL UPDATE ALL RECORDS IN ALL HIERARCHIES. MAKE SURE THIS IS WHAT IS INTENDED BEFORE PROCEEDING!

   The statement below will add one year (as 365 days) to every date that falls between midnight 07/16/2012 and midnight 07/18/2012.

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Type (or copy and paste) the following UPDATE statement into SQLPlus:

```
SQL>  UPDATE measurement SET datadtg =
      TO_CHAR((TO_DATE(datadtg, 'YYYYMMDDHH24MISS')+365),
      'YYYYMMDDHH24MISS') WHERE datadtg >=
      '20120716000000' AND datadtg < '20120718000000';
```

To change the date to reflect the time in which fits your situation, edit the portions in red, then press enter.

4. Exit SQLPlus editor and launch SKF @ptitude Analyst. The data should now reflect the correct date.

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.