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Knowledge Base Article

Product Group: Software
Product: SKF @ptitude Analyst Systems and AddOns
Version: 4.0 and higher

Abstract

As databases grow over time, the length of time it takes to display information on the screen, create workspaces, or navigate through the application may increase (response time becomes slower). This article describes how to execute scripts to rebuild indexes and shrink the database which yields improved response time improvements much like the response time improvements that result from defragmenting a hard drive.

Overview

First, confirm that the most recent backup of the database is valid. If a backup does not exist, create one before moving forward.

Next, make sure that all @ptitude Analyst, Monitor, and Transaction Server connections to the database are stopped, or logged out. Go to the services and change the Transaction Server service startup type to "manual."

1. Click **Start → All Programs → Microsoft SQL Server 2005 → SQL Server Management Studio Express**.

2. Login to Management Studio as **SKFUSER1** and password **cm**, and then click the [Connect] button. [Figure 1]

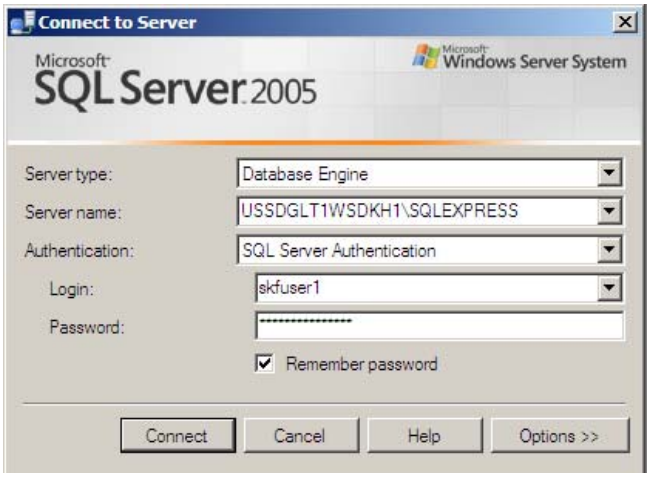

Figure 1. Login to Management Studio

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There are four SQL Script Files that are needed for this procedure:

- RebuildIndexAll
- EXECUTE_RebuildIndexAll
- ShrinkDB
- EXECUTE_ShrinkDB

To download the scripts, click on the zipped file located in the **Attachments** section to the right. [Figure 2]

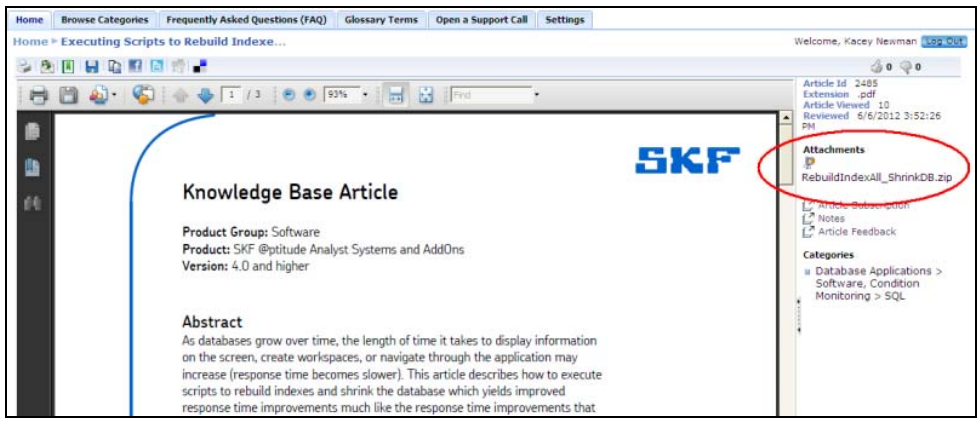

Figure 2. Attachments section

The scripts may be saved by extracting the contents of the zipped folder to the desired location on your computer.

3. Double click the **RebuildIndexAll** script file. It will automatically open a query window in Management Studio. Click the [Execute] button to run the script. This script should take approximately one minute to complete.

4. Next, double click the **EXECUTE_RebuildIndexAll** script file. It will open in Management Studio. Click the [Execute] button to run the script.

   NOTE: The time it takes to run this script will vary based on the size of the database. (On a database 4.85GB in size, it takes approximately five minutes to complete.)

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5. Once the RebuildIndexAll script finishes, double click the **ShrinkDB** script file. It will open in Management Studio. Click the [Execute] button to run the script. This script should take approximately one minute to complete.

6. When the ShrinkDB script finishes, double click the **EXECUTE_ShrinkDB** script file. It will open in Management Studio. Click the EXECUTE button to run it.

   NOTE: The time it takes to run this script will vary based on the size of the database. (On a database 4.85GB in size, it takes approximately 30 minutes to complete.)

7. When the EXECUTE_ShrinkDB script completes, log out of Management Studio. Go to the services and set the SKF Transaction Server service startup type back to "Automatic," and then reboot the server.

After the server is back up, the end users can login to the application and the monitor PC, if applicable, can be started.

The response time to display information, create workspaces, or navigate through the application will be much faster.

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.