

Database Connection Pool Knowledge Sensor Pack

Overview

Name	Database Connection Pool Knowledge Sensor Pack for JDBC and ADO.NET
Description	These Knowledge Sensor Packs can be used to help quantify and diagnose performance issues related to usage of the JDBC/ADO.NET connection pools and the time spent in the pool per transaction
Version	1.0
dynaTrace Diagnostics Version	2.5 and higher
Author	dynaTrace software
License	dynaTrace BSD
Support	Community
Download	dynaTrace_DBConnectionPoolKSP_v1.0.zip ADO.NET Connection Sensor Pack for dynaTrace 2.5 ADO.NET Connection Sensor Pack for dynaTrace 3.0

Sensor Pack Information

To diagnose JDBC use [dynaTrace_DBConnectionPoolKSP_v1.0.zip](#)

To diagnose ADO.NET use [ADO.NET Connection Sensor Pack for dynaTrace 2.5](#) or [ADO.NET Connection Sensor Pack for dynaTrace 3.0](#)

Installation

1. Save the attached files locally to the computer where the dynaTrace Diagnostics Client is installed.
2. Unzip the file
3. In the dynaTrace Diagnostics Client, right-click on the Diagnostics Server and select 'Preferences...!'
4. Click on "Sensor Packs"
5. Click on the "Import..." button.
6. Navigate to the directory where you extracted the .dtdcs files, select either the JDBC or ADO.NET .dtdcs|.dtdcs file and click "Open"

You can confirm successful import by observing the *DatabaseConnectionPool* Sensor Pack and/or the *ADO.NET Connection* in the Sensor Packs Panel. This Knowledge Sensor Pack is now *Placed* and *Active* within all System Profiles on this Diagnostics Server.

Exercise any database queries.



For the JDBC Sensor Pack:

The dynaTrace Diagnostics screens will now include information about the DataBase getConnection methods to determine the time it takes to get a connection per transaciton.

For ADO.NET Sensor Pack:

The dynaTrace Diagnostics screens will now include information about the IDbConnection getConnection method and the connection strings that have been used. ADO.NET Connection Pooling is done per connection string - therefore the information about the actual connection string can give you an indication about which connection pool was used by the getConnection method.

Both Sensor Packs may be helpful in production to graph and alert on these methods as they are indicators to saturated connection pools.

File	Modified 
>  dynaTrace_DBConnectionPoolKSP_v1.0.zip DB Connection Pool KSP v1.0	Jun 21, 2008 by Ted Feyler
>  dynaTrace_ADONETConnectionPoolKSP_v1.0.zip ADO.NET Connection KSP	Aug 18, 2008 by Andreas Grabner
>  dynaTrace_ADONETConnectionPoolKSP_v3.0.zip ADO.NET Connection KSP for dynaTrace 3.0	Dec 16, 2008 by Andreas Grabner

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