IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS
Version 5.2.0

Quick Start Guide for the end-to-end SQL monitoring function

This guide helps you getting started with a typical installation for the end-to-end SQL monitoring feature of IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS, Version 5.2.0, in this section abbreviated to OMEGAMON XE for DB2 PE. This SQL monitoring feature is using the infrastructure of IBM InfoSphere Optim Performance Manager.

Product overview

OMEGAMON® XE for DB2® PE is a tool for performance analysis, monitoring, and tuning for the DB2 database in the z/OS® environment. It also provides an end-to-end SQL monitoring feature. With this SQL monitoring feature, database administrators (DBAs) can extend monitoring to the entire database application system including client, server, and network.

After you have installed and configured OMEGAMON XE for DB2 PE, you can install IBM® InfoSphere® Optim™ Performance Manager.

1   Step 1: Access your software

To access your software, go to Shopz at the following website. Shopz is IBM's productivity tool for planning and ordering zSeries software.

> https://www14.software.ibm.com/webapp/ShopzSeries/ShopzSeries.jsp

2   Step 2: Enable end-to-end SQL monitoring on the host server

Make sure that OMEGAMON XE for DB2 PE is installed and configured as described in *Configuration and Customization Version 5.2.0* at the following website:

> http://www-01.ibm.com/support/knowledgecenter/#!/OMXEDB2PE520/
> com.ibm.omegamon.xe.pe_db2.doc_5.2.0/ko2cc/ko2cc_about.htm?cp=SSUSPS%2F0-4

After the SMP/E installation and configuration is complete, run the Configuration Tool to enable the end-to-end SQL monitoring support as described at the following website:

> http://www-01.ibm.com/support/knowledgecenter/OMXEDB2PE520/
> com.ibm.omegamon.xe.pe_db2.doc_5.2.0/ko2cc/ko2cc00154.htm?cp=SSUSPS%2F0-4-5-3-6

3   Step 3: Evaluate your hardware and system configuration

For more information, see *Installation requirements for IBM InfoSphere Optim Performance Manager and components* at the following website:

> http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
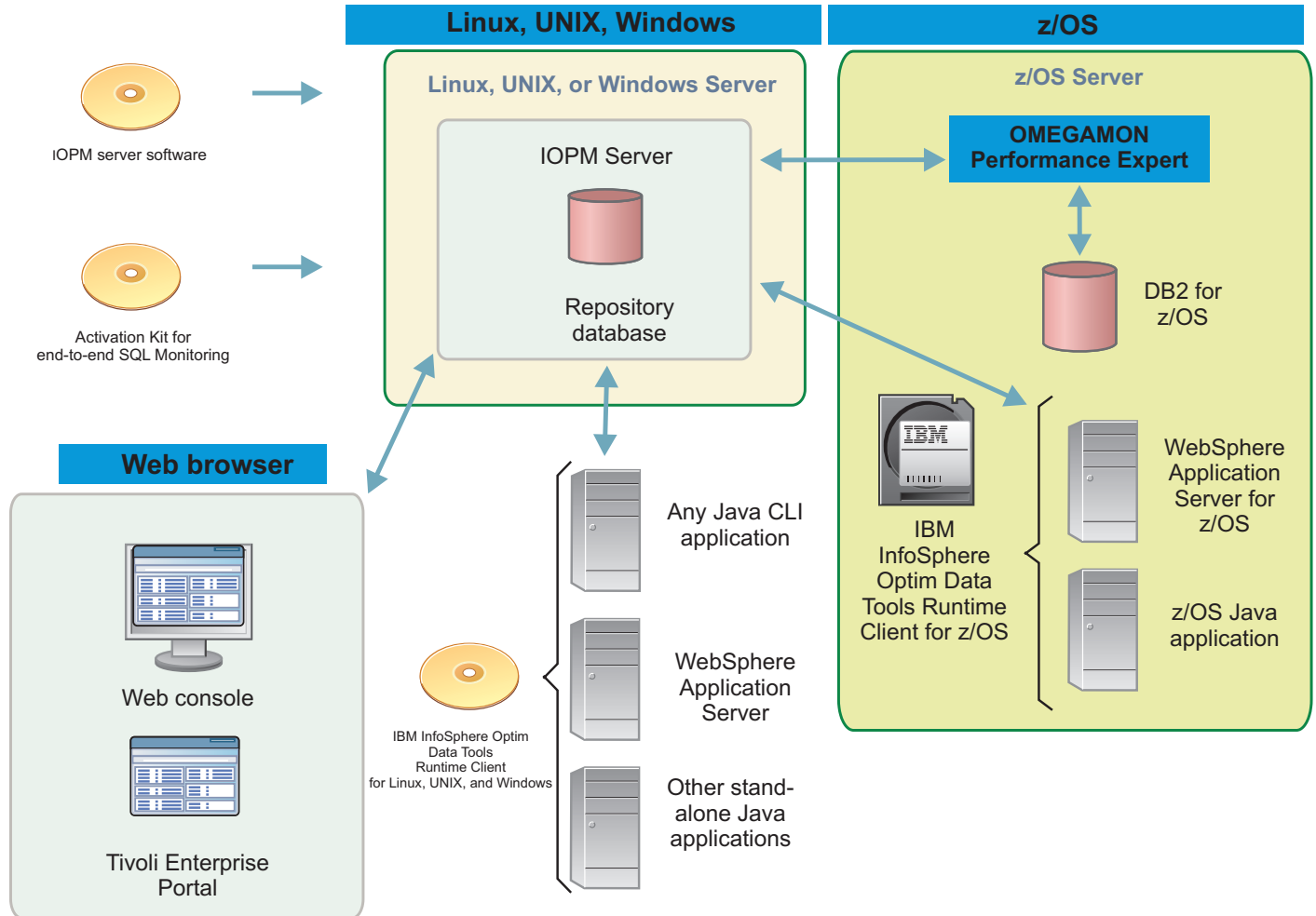> com.ibm.datatools.perfmgmt.installconfig.doc/pm_install_reqs.html

4 Step 4: Review the base architecture

The software package for OMEGAMON XE for DB2 PE includes the following items:
- IBM InfoSphere Optim Performance Manager including IBM DB2 Enterprise Server Edition (ESE) 10.5 and the DB2 ESE 10.5 Restricted Use Activation software
- A restricted-use copy of DB2 for Linux, UNIX, and Windows to be used as data repository by IBM InfoSphere Optim Performance Manager
- The License activation kit for the end-to-end SQL monitoring function for z/OS
- The IBM InfoSphere Optim Data Tools Runtime Client for Linux, UNIX, and Windows
- The IBM InfoSphere Optim Data Tools Runtime Client for z/OS

The following diagram illustrates the architecture of the product and provides a basis for planning your installation:

5 Step 5: Specifying a DB2 instance

Before you can install IBM InfoSphere Optim Performance Manager on your system, DB2 ESE must be installed so it can be used by IBM InfoSphere Optim Performance Manager as repository database.

During the installation of IBM InfoSphere Optim Performance Manager, you can specify an existing DB2 instance of DB2 ESE to be used by IBM InfoSphere Optim Performance Manager, or you can create a new one.
- If you specify an existing DB2 instance, ensure that it is running before you start the installation of IBM InfoSphere Optim Performance Manager.
- If you install a new DB2 instance:
  1. Activate the DB2 instance after the installation of DB2 ESE 10.5 is completed by using the DB2 ESE 10.5 Restricted Use Activation software.

     DB2 ESE 10.5 and the DB2 ESE 10.5 Restricted Use Activation software are included in the software package of IBM InfoSphere Optim Performance Manager.
  2. Open the DB2 ESE 10.5 License Center and install the license.

6   Step 6: Install IBM InfoSphere Optim Performance Manager

Make sure that an instance of a supported edition of DB2 for Linux, UNIX, and Windows is available before you install IBM InfoSphere Optim Performance Manager for your selected operating system. For more information, see *Installing InfoSphere Optim Performance Manager by using the installation wizard or the console mode* at the following website:

```
http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
com.ibm.datatools.perfmgmt.installconfig.doc/pm_install_wizard_or_console.html
```

The installation process creates a repository database in the DB2 server instance that can be used by InfoSphere Optim Performance Manager.

7   Step 7: Activate the end-to-end SQL monitoring function for z/OS on IBM InfoSphere Optim Performance Manager

Run the License Activation Kit for z/OS for your operating system on the same computer where IBM InfoSphere Optim Performance Manager is installed. After the end-to-end SQL monitoring function is activated, InfoSphere Optim Performance Manager is restarted.

For more information, see *Activating end-to-end SQL monitoring for Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS* at the following website:

```
http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
com.ibm.datatools.perfmgmt.installconfig.doc/activating_sql_monitoring_zos.html
```

8   Step 8: Configure your applications for end-to-end SQL monitoring

Open the web console and log on to the IBM InfoSphere Optim Performance Manager to add and configure a database for monitoring.

For more information, see *Configuring InfoSphere Optim Performance Manager* at the following website:
```
http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
com.ibm.datatools.perfmgmt.installconfig.doc/pm_configuring.html
```

9   Step 9: Install and configure the IBM InfoSphere Optim Data Tools Runtime Client for Linux, UNIX, and Windows

On the database application computer where the database client drivers are installed, run the installation tool to install the IBM InfoSphere Optim Data Tools Runtime Client for Linux, UNIX, and Windows.

If the configuration tool is not started from the installation tool, you can open the configuration tool in the following directory:
- On Windows: install_directory\IBM_Data_Tools\configuration\cfgtool.bat
- On Linux or UNIX: install_directory\IBM_Data_Tools\configuration\cfgtool.sh

10   Step 10: Install and configure the IBM InfoSphere Optim Data Tools Runtime Client for z/OS

Install IBM InfoSphere Optim Data Tools Runtime Client for z/OS by following the instructions in the Program Directory for OMEGAMON XE for DB2 Performance Expert. Go to the following website and select the *Program Directory* under *Getting Started*:

```
http://www-01.ibm.com/support/knowledgecenter/OMXEDB2PE520/
com.ibm.omegamon.xe.pe_db2.doc_5.2.0/ko2welcome_pe.htm?cp=SSUSPS%2F0
```

After you have installed IBM InfoSphere Optim Data Tools Runtime Client for z/OS, you must manually configure JDBC and WebSphere® applications for end-to-end SQL monitoring. For more information, see *Manually configuring JDBC and WebSphere applications for extended insight monitoring* at the following website:

```
http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
com.ibm.datatools.perfmgmt.ei.installconfig.doc/ei_configuring_jdbc_manually.html
```

11   Step 11: Optional: Integrate IBM InfoSphere Optim Performance Manager into Tivoli monitoring

If you have previously installed and configured Tivoli® Enterprise Portal, you can integrate InfoSphere Optim Performance Manager with IBM Tivoli Composite Application Manager (ITCAM) for Application Diagnostics and ITCAM for Transactions in a Tivoli Enterprise Portal (TEP) Console for end-to-end transaction monitoring. When the integration is complete, you can do end-to-end monitoring from your TEP console.

For more information about the Tivoli integration, see *Tivoli integration roadmap* at the following website:
```
http://www-01.ibm.com/support/knowledgecenter/SS9PE5_5.2.0/
com.ibm.datatools.perfmgmt.installconfig.doc/roadmap_opm_tep.html
```

More information

? For more information, see the following websites:
- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS at:
  ```
  http://www-01.ibm.com/support/knowledgecenter/OMXEDB2PE520/
  com.ibm.omegamon.xe.pe_db2.doc_5.2.0/ko2welcome_pe.htm?cp=SSUSPS%2F0
  ```
- Integrated Data Management Support at:
  ```
  http://www.ibm.com/software/data/optim/support/
  ```

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