



# IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS

## Highlights

- Extend the capabilities of IBM Tivoli NetView® and IBM Tivoli Enterprise Console® by identifying the root cause of network problems
- Help optimize the performance of IBM DB2 Universal Database and IBM DB2 applications on z/OS
- Enjoy substantial breadth and depth of monitoring DB2 environments by combining batch reporting capabilities with real-time monitoring and historical tracking functions
- Support an enterprise-wide integrated systems management strategy activated by the IBM Tivoli OMEGAMON XE family
- Make the migration from IBM Tivoli OMEGAMON XE for DB2 on z/OS and IBM DB2 Performance Monitor for z/OS smoother by using familiar interfaces

### Lift database performance to new heights

Having the right information precisely when you need it is critical for a business to remain agile and responsive in today's economy. Companies rely on DB2 Universal Database™ and DB2® on z/OS® applications to manage their vital corporate and customer-related information. To help automate time-consuming manual tasks and better optimize the performance of these important systems, turn to IBM Tivoli® OMEGAMON® XE for DB2 Performance Monitor on z/OS.

Comprehensive and reliable, Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS permits you to monitor, analyze and optimize the performance of DB2 Universal Database and DB2 on z/OS applications in two key modes: online, in real time with immediate alerts when problems occur, and batch, in reports.

The software merges functions from the Tivoli OMEGAMON XE for DB2 on z/OS and DB2 Performance Monitor on z/OS

products to provide a single engine for performance data collection logic. The product maintains familiar interfaces to help users transition to the new product. Plus, you can use the same installation and configuration tool that is used for all Tivoli OMEGAMON XE configuration activities — allowing integration with and management of your entire Tivoli OMEGAMON XE monitoring suite.

Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS helps you resolve critical performance issues. Use it to monitor:

- Individual data-sharing members or entire data-sharing groups.
- Applications running in a parallel query environment, even if the parallel tasks are executed on different processors.
- Near-term performance history to see problems that otherwise go unnoticed and prevent them in the future.
- Object analysis of database disks, tables, table spaces and other elements to tune performance.

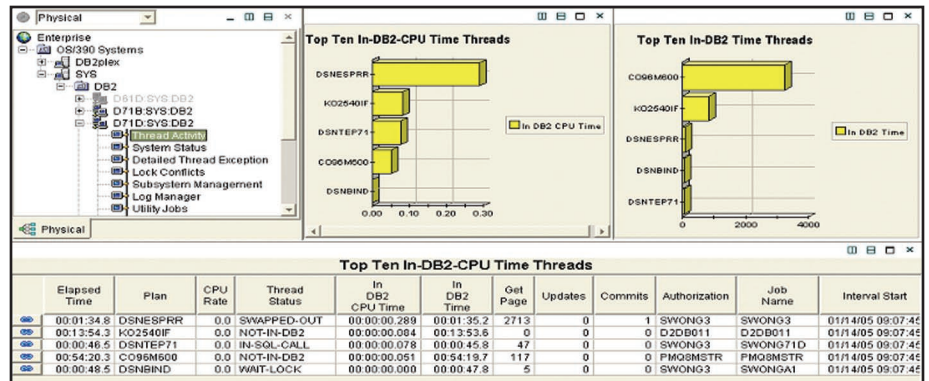
## Analyze and automatically tune output

To achieve a historical snapshot of DB2 activities on z/OS, use the online monitoring feature of Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS. With its exception processing, you can automatically route immediate alerts to the end-user interface or to a user exit.

Additionally, a wide range of sophisticated, customizable reports lets you perform in-depth analysis of problems with your applications or DB2 system. Reports can:

- Provide statistics for a given application, such as elapsed time, time spent in DB2, read-and-write activity, locks obtained and structured query language (SQL) statements executed.
- Help anticipate potential bottlenecks — detect event exceptions and activities that exceed user-defined thresholds, and take appropriate actions through a user exit.
- Better optimize SQL statements by explaining their access paths.

To make repeated analysis easier, Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS includes a performance warehouse that stores performance data and analysis tools. The performance warehouse's autonomic,



Tivoli OMEGAMON XE for DB2 on z/OS products show you threads that use the most in-DB2-CPU time, to help you fine-tune for improved performance.

self-managing capacities allow you to define, schedule and run automated processes such as:

- Converting and loading reports.
- Saving DB2 trace and report data for further investigation and trend analysis.
- Upgrading the performance database tables.

## Help protect your investment in critical information

By using Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, you help maximize the capacity, reliability and availability of your DB2 Universal Database environment. As a result, your business can use critical corporate and customer-related data to operate in a highly agile, dynamic fashion.

## Help maximize the value of your IT investments with a single point of control

Performance and availability problems aren't limited to a single platform, so Tivoli OMEGAMON XE solutions identify and track problems across your enterprise, allowing you to see information from multiple OMEGAMON XE monitors and third-party software — in a single location. This helps you make decisions quickly, efficiently and proactively on an enterprise level.

Tivoli OMEGAMON DE provides data integration between Tivoli OMEGAMON XE solutions that you can use to:

- Correlate reports in customizable workspaces.
- Build business and technical views that deliver IT information to users at the level best suited to their responsibilities.
- Allow policy-based, automated response to correlated data.

For example, you can use Tivoli OMEGAMON DE with Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, which allows you to implement end-to-end or IBM Transplex® monitoring, such as of a unit of work or an IBM CICS® transaction throughout the managed enterprise.

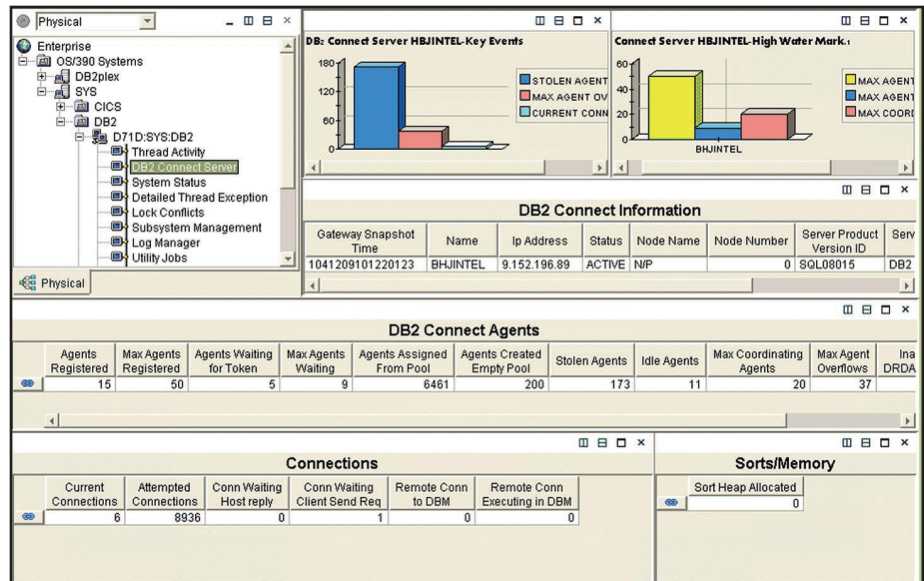
### Integrate with other innovative capabilities

In addition to combining batch reporting, real-time monitoring and historical tracking features, Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS offers:

- Complete support for DB2 Universal Database for z/OS, Version 8.1, including delivering interface information and reports about counters and system parameters (such as longer file names) to the end user.
- Launching from IBM DB2 Control Center and direct connection to IBM DB2 Visual Explain.
- Monitoring of IBM DB2 Connect™ through the included IBM Tivoli Enterprise Portal and 3270 classic interface.
- SAP and Oracle support for extended identification fields such as End User ID, Transaction ID and Workstation ID.

### For more information

Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS is part of the IBM portfolio of performance management tools that includes



The ability to see DB2 Connect metrics for a connecting DB2 Gateway helps you determine where stolen agents or MAXAGENT overflows indicate that system resources can be used more efficiently so you can adjust related parameters.

IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS. To learn more, please contact your IBM representative or IBM Business Partner, or visit [ibm.com/software/data/db2imstools](http://ibm.com/software/data/db2imstools).

You can also access product information, hints and tips, frequently asked questions and IBM Redbooks at [ibm.com/software/data/db2imstools/support.html](http://ibm.com/software/data/db2imstools/support.html). For more information about relevant services from IBM tools specialists and IBM Business Partners, visit [ibm.com/software/data/db2imstools/support.html](http://ibm.com/software/data/db2imstools/support.html).

When ordering Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS, please refer to program number 5655-P08.

### About Tivoli software from IBM

Tivoli software from IBM helps organizations efficiently and effectively manage information technology (IT) resources, tasks and processes in order to meet ever-shifting business requirements and deliver flexible and responsive IT service management, while reducing costs. Tivoli's portfolio spans software for security, compliance, storage, performance, availability, configuration, operations and IT lifecycle management, and is backed by world-class IBM services, support and research.



## Requirements and supported software

- DB2 Universal Database on z/OS, Version 7 or later, running under z/OS, Version 1.4 or higher (including related IBM SMP/E, interactive system productivity facility [ISPF], IBM TSO, IBM DFSMS, IBM DFSORT™ and TCP/IP support)
- For online monitoring: IBM VTAM®, an ISPF, or Microsoft® Windows® 2000 or Windows XP
- For the performance warehouse or for SQL activity tracing: IBM DB2 Runtime Client, Version 8 (or a DB2 product that includes it)
- For integration with DB2 Visual Explain: IBM DB2 Administration Client, Version 8 or later, or any other DB2 Universal Database, Version 8 or later
- To monitor DB2 Connect: IBM DB2 Connect Enterprise Edition or IBM DB2 Connect Unlimited Edition, Version 8 or later, running on one of the following operating systems:
  - IBM AIX®, Version 5.1 or later
  - HP-UX, Version 11i or later
  - Sun Solaris, Version 8 or later
  - Linux® Kernel, Version 2.4.10 or later
  - Windows 2000 Service Pack 2, Windows XP
- For the Web client, the IBM Tivoli Enterprise Portal Server requires Java™ RTE 1.5.0 and the Tivoli Enterprise Portal requires Java RTE 1.3.1\_04
- Additional support for IBM IMS™, Versions 7.1, 8.1 and 9.1; and CICS, Versions 2.2 and 2.3

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