Manage and monitor your CICS systems complex CICS systems to achieve high performance and avoid costly downtime. From one screen, you can manage:

- Large, enterprise-wide CICS configurations in Parallel Sysplex® environments.
- Related interactions with other online systems such as IBM DB2®, IBM IMS™ and other system components.
- Transactions that span multiple systems.

IBM Tivoli® OMEGAMON® XE for CICS on z/OS® helps you proactively manage

CICS® is one of the most important online transaction processing systems in the world, enabling thousands of enterprises to process high volumes of transactions every day. For your company to leverage the benefits of CICS — including CICS in an IBM Parallel Sysplex® environment — it is crucial to manage your CICS systems and transactions effectively.

Java Virtual Machine (JVM) metrics offer a detailed picture of your Java applications and tasks running under the JVM as they interact with CICS operations.
Focus on transaction performance

The service level analysis capabilities in Tivoli OMEGAMON XE for CICS on z/OS provide detailed performance metrics for all of the transactions that execute in your CICS environment. You can set service level definitions that enable you to monitor and prevent system performance and availability issues that impact your CICS service level agreements. For example, you can:

- Monitor individual transactions to detect any problems for immediate resolution. Automatically collect and analyze data such as elapsed time, terminal ID, transaction ID, user ID and wait type.
- Report on units of work — all tasks associated with the original transaction — to help identify application performance problems in a CICS environment.
- Provide an alert if a critical transaction is missing.

To help optimize the performance of your systems, you can assess overall transaction performance and instantly cancel transactions that slow performance while allowing other transactions to continue running. For example, the VSAM RLS report enables you to identify and take action to address the source of bottlenecks that stem from locked records.

In addition to offering leading performance and availability management for CICS, Tivoli OMEGAMON XE for CICS on z/OS integrates with other Tivoli products. You can use these integrated products to deploy true end-to-end availability management and help prevent threats to system performance before they impact service levels.

The detailed information and summaries collected and generated using Tivoli OMEGAMON XE for CICS on z/OS help you to understand and optimize the transactions of your business-critical applications.
Identify bottlenecks at the record level

Bottlenecks can occur when users queue to update records within a VSAM file. Tivoli OMEGAMON XE for CICS on z/OS can help you quickly identify and resolve these problems. By using the RLS report, you can identify the owner of a VSAM record, and transactions waiting to access the record. In Parallel Sysplex environments, you can use the RLS workspace to display detailed VSAM RLS information from a CICS perspective.

Simplify management with a single view of both CICS and integrated systems

Tivoli OMEGAMON XE for CICS on z/OS streamlines the management of your systems, including CICS in a Parallel Sysplex environment, by providing a single view of transaction and systems performance.

Additionally, you can monitor the Java™ Virtual Machine (JVM) status, pools, class caches, programs and profiles to help optimize efficiency.

Increase productivity

All Tivoli OMEGAMON XE monitors, including Tivoli OMEGAMON XE for CICS on z/OS, help increase productivity by enabling you to customize your workspace to speed problem identification and quickly leverage existing expertise. Features include:

- **Customizable workspaces** — Instantly pull together dynamic tables and graphs to help pinpoint performance issues across all your CICS systems and related applications. You can see resource allocation down to a granular level from multiple perspectives. Data collection and displays can be tailored to specific users, such as operators, performance analysts and systems programmers. Note that Tivoli OMEGAMON monitors support Group One languages: Chinese Simplified, Chinese Traditional, French, German, Italian, Japanese, Korean, Portuguese and Spanish. As a result, users can simultaneously view translated workspaces — helping to simplify communication and speed problem resolution.
- **Intelligent situation definition** — Provide precise alerts using and/or logic.
- **Take action** — Resolve recurring problems by running built-in scripts or easily create new scripts.
- **Expert advice** — View advice about an alert. Advice can easily be customized to provide site-specific information.

Integrate with other Tivoli monitors to move beyond IT silos

Many organizations continue to address IT problems at the IT department or silo...
level. Unfortunately, because applications and related problems often span numerous systems and platforms, finding a problem’s root cause may require an extensive search throughout numerous departments. Solving complex problems efficiently requires an approach that reveals the depth and breadth of performance — and related problems — across your organization.

Tivoli OMEGAMON XE for CICS on z/OS provides a true end-to-end solution that correlates data from multiple systems. The product integrates with other performance monitors, including IBM Tivoli Composite Application Manager software, IBM Tivoli Monitoring 6.1 and other Tivoli OMEGAMON XE monitors.

Because Tivoli OMEGAMON XE monitors use Tivoli Monitoring 6.1 shared technologies, they also support efforts to centralize mainframe and distributed monitoring functions onto a single user interface: Tivoli Enterprise™ Portal. The shared technologies include:

- Support for IBM Tivoli Data Warehouse, which aggregates and prunes monitoring data from Tivoli OMEGAMON XE for CICS on z/OS and other monitoring tools to help improve historical reporting.

- Agent versioning support, which eases migration to new OMEGAMON XE releases as expanded capabilities become available.

- Dynamic Workspace Linking, described in the next section.

Take advantage of dynamic workspace links for quick problem diagnosis

Because integration is key to leveraging the full power of your IBM monitoring portfolio, these products now include advanced Dynamic Workspace Linking. The function lets you easily navigate between the workspaces provided by other IBM products that use the Tivoli Enterprise Portal user interface. Predefined cross-product links reveal information about systems, subsystems, resources and network components collected by other monitoring agents.

For example, if Tivoli OMEGAMON XE for CICS on z/OS detects a transaction slowdown that is related to the transaction going into DB2, you could easily link to and view your IBM Tivoli
OMEGAMON XE for DB2 Performance Expert on z/OS metrics to see potential problems in DB2. Because the links remain in context, you navigate to the pertinent workspace in the corresponding product, and thereby save time.

### For more information
To learn more about Tivoli performance and availability solutions and integrated solutions from IBM, contact your IBM representative or IBM Business Partner, or visit [ibm.com/tivoli](http://ibm.com/tivoli)

### About Tivoli software from IBM
Tivoli software provides a comprehensive set of offerings and capabilities in support of IBM Service Management, a scalable, modular approach used to deliver more efficient and effective services to your business. Meeting the needs of any size business, Tivoli software enables you to deliver service excellence in support of your business objectives through integration and automation of processes, workflows and tasks. The security-rich, open standards–based Tivoli service management platform is complemented by proactive operational management solutions that provide end-to-end visibility and control. It is also backed by world-class IBM Services, IBM Support and an active ecosystem of IBM Business Partners. Tivoli customers and partners can also leverage each other’s best practices by participating in independently run IBM Tivoli User Groups around the world — visit [www.tivoli-ug.org](http://www.tivoli-ug.org)

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### Tivoli OMEGAMON XE for CICS on z/OS at a glance

**Software requirements:**
- CICS Transaction Server, Version 2.2 and above
- IBM z/OS, Version 1.4 and above

### Tivoli OMEGAMON products for IBM System z™ include:

**Operating systems:**
- IBM Tivoli OMEGAMON XE on z/OS
- IBM Tivoli OMEGAMON XE for Linux® on System z
- IBM Tivoli OMEGAMON XE on z/VM® and Linux

**Data management:**
- IBM Tivoli OMEGAMON XE for DB2 Performance Expert on z/OS
- IBM Tivoli OMEGAMON XE for DB2 Performance Monitor on z/OS
- IBM Tivoli OMEGAMON XE for IMS on z/OS

**Host transaction processing:**
- IBM Tivoli OMEGAMON XE for CICS on z/OS

**Networking:**
- IBM Tivoli OMEGAMON XE for Mainframe Networks

**Storage management:**
- IBM Tivoli OMEGAMON XE for Storage on z/OS

**Integration:**
- IBM Tivoli OMEGAMON DE on z/OS