



IBM Software Group: CICS Product Portfolio

IBM CICS Transaction Gateway Version 6.0

Part 1: Business Value

Andrew Bates
Market Manager
batesan@uk.ibm.com

www.ibm.com/cics/ctg



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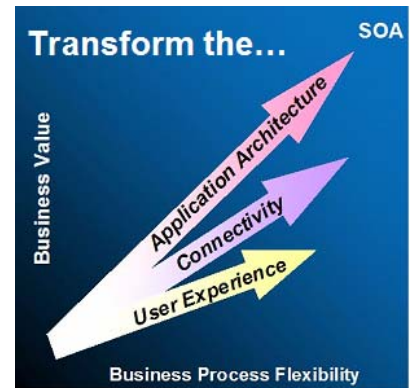
Agenda

- **Application Transformation**
- **CICS and WebSphere Mixed Workloads**
- **CICS Transaction Gateway Version 6.0**
- **Direct Connection or Web Service into CICS?**
- **What is the CICS Transaction Gateway?**
- **Flexible Configurations**
- **Comprehensive Tooling**
- **Summary**
- **Further Resources**

Duration: Approx 10 Minutes

Application Transformation

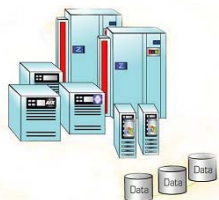
- **Focus on Reducing:**
 - Cost
 - Risk
 - Time to Market
- **Focus on Increasing:**
 - Application Reuse
 - Employee Productivity



Transform applications
for use in mixed workloads.

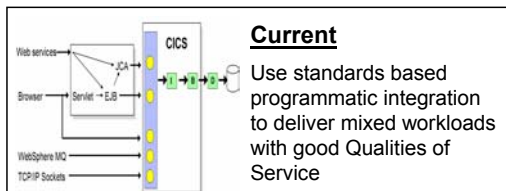
Reduce risk and cost.

CICS and WebSphere Mixed Workloads

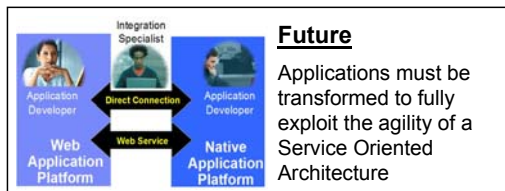


The majority of large corporations deploying WebSphere will:

- Have a core of previously established, proven CICS business logic that that they will want to leverage within modern WebSphere J2EE environments
- Want tooling to help them discover, design, deploy and manage, mixed CICS and WebSphere applications, helping to minimize cost, risk and time to market



Use standards based programmatic integration to deliver mixed workloads with good Qualities of Service

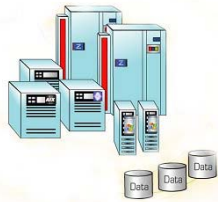


Applications must be transformed to fully exploit the agility of a Service Oriented Architecture

Integrate CICS and WebSphere technology.

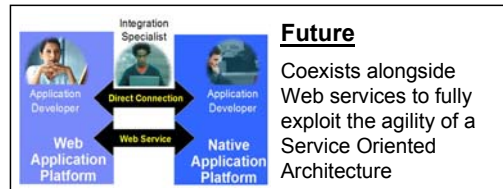
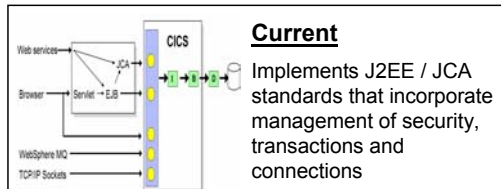
Satisfy business and application needs.

CICS Transaction Gateway Version 6.0



CICS Transaction Gateway Version 6.0:

- Provides high performing, secure and scalable access to CICS, requiring minimal changes to CICS and usually no changes to existing CICS applications
- Supports IBM Software Development Platform tooling to discover, design, deploy and manage mixed CICS and WebSphere applications



J2EE standards based, managed access to CICS.

For today and for tomorrow.

Direct Connection or Web Service into CICS?

- Tightly coupled and loosely coupled connectivity solutions coexist to fully exploit the agility of an on demand environment
- The difference between Direct Connection and Web Service depends on whether the presentation applications are directly bound to the business logic.

Direct Connection

- High QoS Today
- Mature technologies
- Existing application interfaces
- Few application/system level changes required
- Good where application has fewer reusable purposes



Web Services




- QoS improving via standards
- Emerging technologies
- Web Services interface
- Some application/system level changes required
- Good where application has many reusable purposes

Exploit an appropriate set of complementary technologies.

Fully integrate your CICS systems.

What is the CICS Transaction Gateway?

CICS Transaction Gateway provides three core capabilities:

 <p>Plumbing</p> <p><i>J2EE connector into CICS</i></p> <ul style="list-style-type: none"> High performing and scalable inbound connector to CICS applications Provides connectors to COMMAREA and 3270-based CICS applications 	 <p>Interfaces</p> <p><i>Java and non-Java API's</i></p> <ul style="list-style-type: none"> Standard JCA interface provides best Qualities of Service Base Java, C, C++, COBOL and COM interfaces are supported but stabilized 	 <p>Integration</p> <p><i>WebSphere, CICS and others</i></p> <ul style="list-style-type: none"> All supported CICS releases 3 versions of WebSphere Application Server across 7 different platforms 5 SNA servers (AIX, Windows, Linux on zSeries)
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Supported connectivity from
WebSphere to all CICS servers.

Integrate all your
CICS assets.

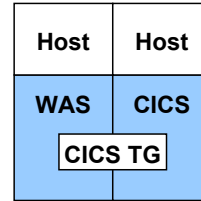
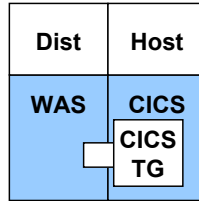
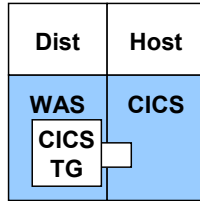
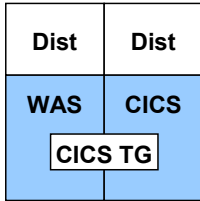
Flexible Configuration

CICS Transaction Gateway runs on:

- z/OS
- Linux (Intel, zSeries)
- UNIX (AIX, HP-UX, Solaris)
- Windows

Providing access to:

- CICS TS (z/OS, OS/390, VSE, iSeries)
- TXSeries CICS (AIX, HP-UX, Solaris, Windows)
- CICS on Linux – Coming 2005!



Flexibility to support most application architectures.

IBM middleware from end to end.

Comprehensive Tooling



Simplify software development

→ The new IBM Software Development Platform

Rational. software

WebSphere. software

The IBM Software Development Platform is a comprehensive set of tools that forms a complete and modular solution for building software in an on demand world.



WebSphere Studio

- Asset Analyzer
- Application Developer Integration Edition
- Enterprise Developer
- Application Monitor

CICS Tools

IBM @server Tools

The IBM Software
Development Platform.

A complete
IBM solution.

Summary

Middleware is Everywhere.

Can you see it?

- Application Transformation can reduce cost, risk and time to market.
- Mixed workloads allow proven CICS business logic to be leveraged within modern WebSphere J2EE environments.
- CICS Transaction Gateway is a high performing, scalable and easy to use connector into all CICS servers.
- JCA is standards based connectivity that provides managed delegation of security, transactions and connections.
- Flexible deployment options provides a solution to support most architectures.
- Comprehensive tooling support provides a complete IBM solution.



ON DEMAND BUSINESS

Further Resources

This presentation is 1 in a series of 3. Please see also:

CICS Transaction Gateway V6.0: Part 2 – Technical Value

CICS Transaction Gateway V6.0: Part 3 – Latest Enhancements

- **Much more information can be found online:**
 - CICS: www.ibm.com/cics
 - CICS Transaction Gateway: www.ibm.com/cics/ctg
 - IBM Software Development Platform: www.ibm.com/developerworks/platform
- **Of particular interest on the CICS Library www.ibm.com/cics/library**
 - Brochures
 - Presentations / Rich Media Presentations
- **Be sure to check BOTH announcement letters www.ibm.com/common/ssi**
 - CICS Transaction Gateway for z/OS V6.0, 30th November 2004, US letter 204-283
 - CICS Transaction Gateway for Multiplatforms V6.0, 30th November 2004, US letter 204-284

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Hampshire
SO21 2JN
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