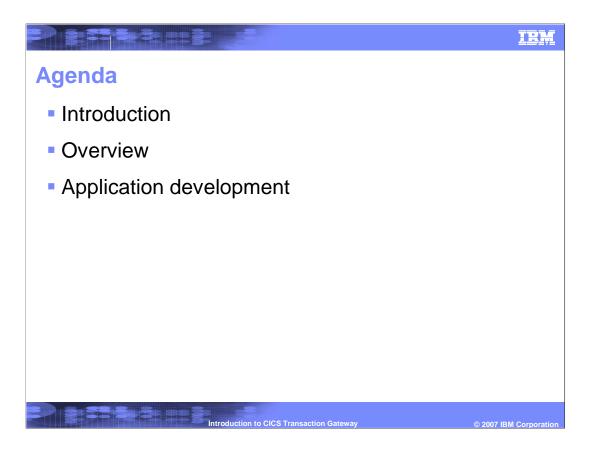
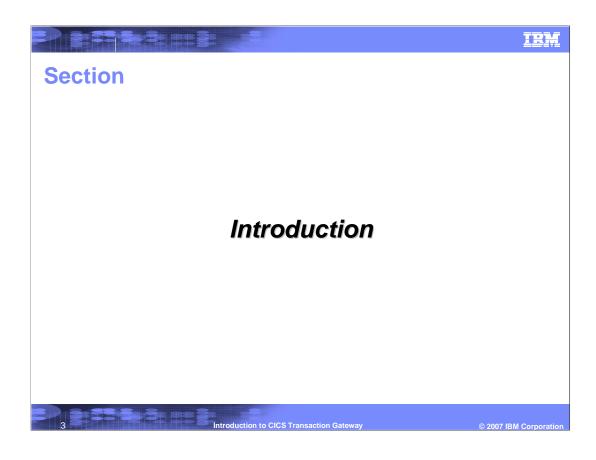


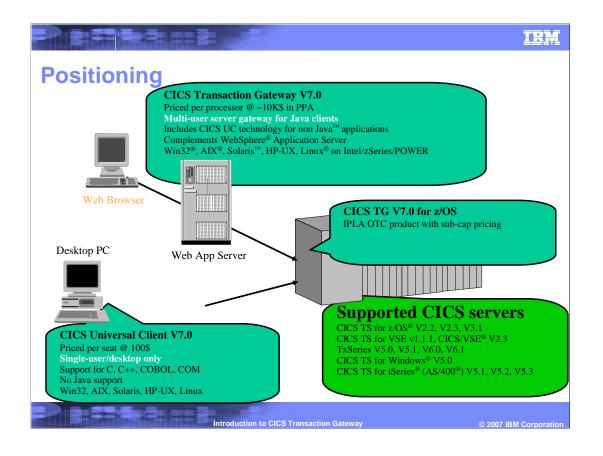
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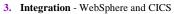


What is the CICS TG?



- 1. Interconnectivity Inbound into CICS
 - Primary inbound connector to CICS

 - COMMAREA (ECI) and 3270 (EPI) based connectors
 Gateway support into CICS (3-tier AND 2-tier configuration)
 - > TCP/IP, SSL and SNA connectivity options
- Interfaces Java and non-Java APIs
 J2EE Connector Architecture (JCA) is strategic Java API and provides enhance QoS
 - ➤ Base Java, C, COBOL and COM interfaces are stabilised
 - CICS JCA resource adapters integrated with RAD v6 J2C tooling



- Aim is to support all version of CICS and all version of WebSphere in support by IBM
- > 12 CICS releases across 8 CICS platforms
- > 4 WebSphere releases on 8 platforms
- > 5 SNA servers on 4 platforms



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What does the CICS TG do?

What does it do?

Provides ability to link to CICS COMMAREA programs or invoke CICS 3270 transactions from local/remote Java applications, or local native (non-Java) applications

What does it offer?

- Synchronous transactional access to CICS
- ▶ API: Java class libraries
- API: COBOL, C and COM interfaces of CICS Universal Client
- WebSphere J2EE integration: J2EE resource adapter
- ▶ Remote API access for Java clients: Gateway daemon
- GUI Configuration tool: ctgcfg

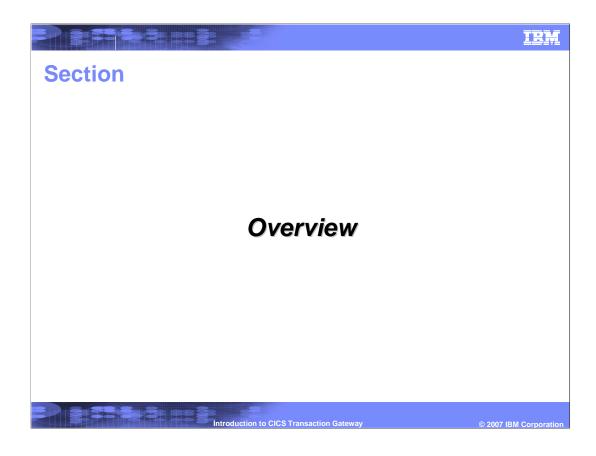
What it does not offer

- ▶ Remote API access for C, C++, COBOL or COM applications
- Outbound access from CICS
- Data conversion facilities (handled by CICS)

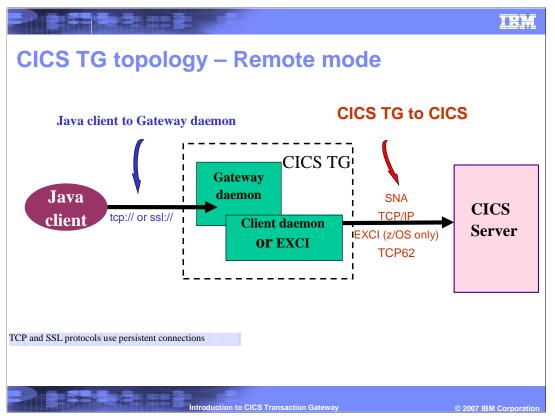
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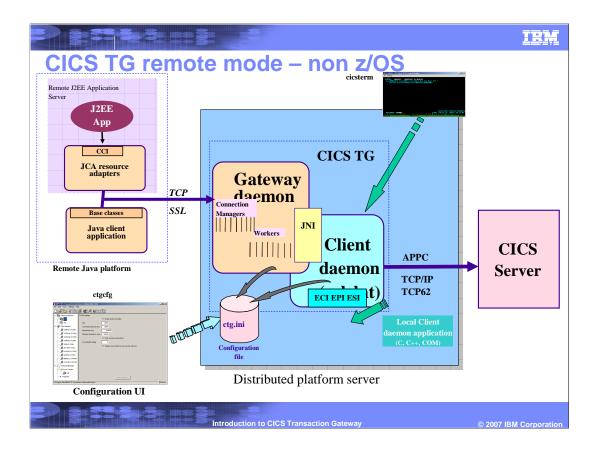


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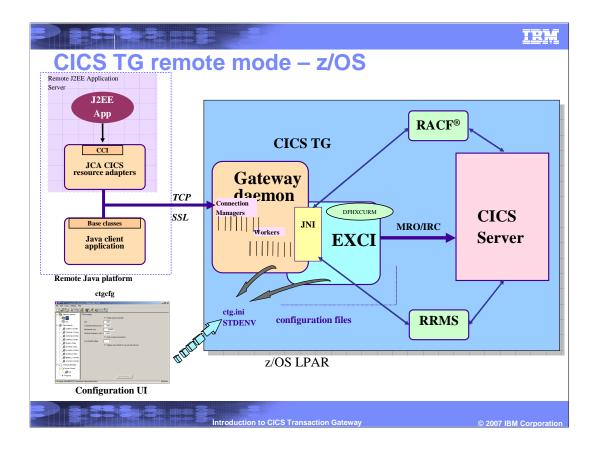


Remote Gateway – uses Gateway Daemon – network protocols to connect to gw. TCP/IP SSL HTTP HTTPS

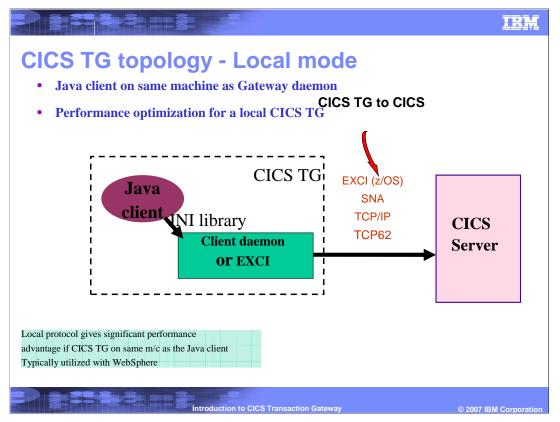
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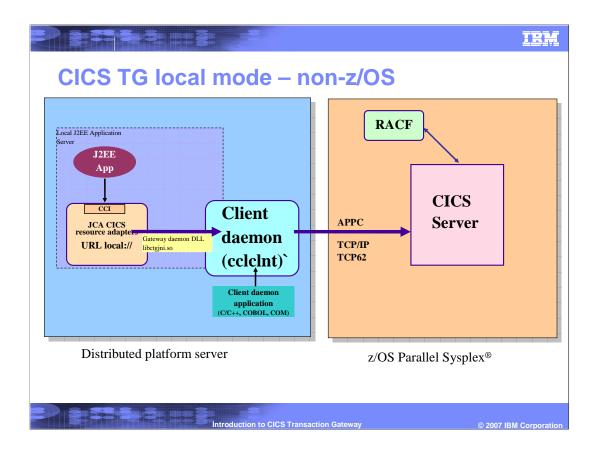
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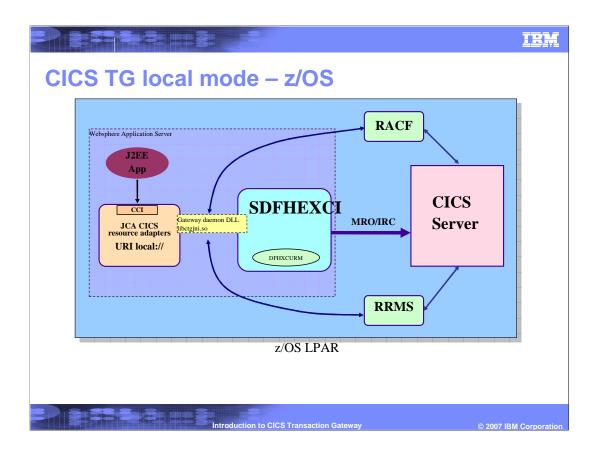
Local mode – gives performance increase.

- used where Java Client is on the same machine as Gateway daemon.

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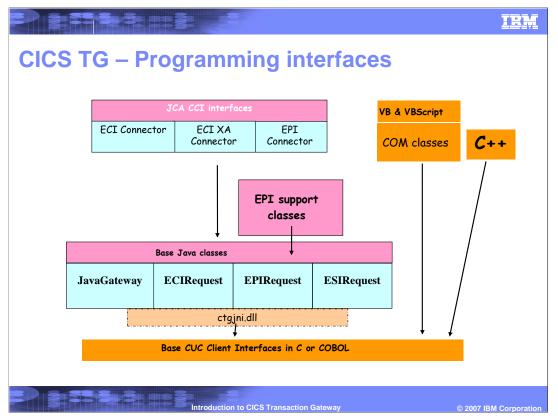
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Various interfaces offered. Main theme is "integration".

From bottom up, CUC interfaces – C, C++ Cobol, VBScript

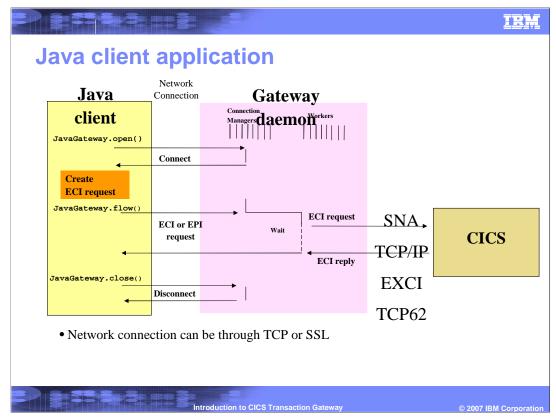
 ${\sf ECI/EPI/ESIRequest\ API-base\ level}$, proprietary API, building the support classes on top of that

Terminal Servlet

CCF interfaces

JCA Connectors

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Each connection to the Java Gateway (from a client) gets a ConnectionManager assigned to it. Worker threads do the work as it comes in.

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Additional information

- Whitepapers
 - ▶ Integrating WebSphere Application Server and CICS using the JCA, G224-7218
 - http://www.elink.ibmlink.ibm.com/public/applications/publications/cgibin/pbi.cgi
 - Transactional integration of WebSphere Application Server and CICS with the JCA

http://www.ibm.com/developerworks/websphere/techjournal/0607_wakelin/0607_wakelin.html

- CICS TG support page http://www.ibm.com/software/htp/cics/ctg/support
- •CICS TG software requirements page http://www.ibm.com/support/docview.wss?uid=swg21239203
- CICS TG on-line information center http://publib.boulder.ibm.com/infocenter/cicstq70/index.isp

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Additional information

CICS TG support packs

http://www.ibm.com/software/htp/cics/ctg/support/

- CC03 CICS JCA 1.0 resource adapters for use with WAS v5
- CE51 CICS Transaction Gateway Security Exit Samples
- CE52 CCF compatibility JAR for CICS Transaction Gateway V6.0
- CC12 CICS Transaction Gateway for z/OS environment health check

Redbooks®

- CICS TG V6.1, SG24-6171
- CICS TG V5, The WebSphere Connector for CICS, SG24-6133-01
- Java Connectors for CICS, SG24-6401
- Exploring WSAD-IE V5, SG24-6200-00



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