

# **COMPORSYS Connector**

for  
IBM<sup>®</sup> CICS<sup>®</sup>

Product Specification

## COMPORSYS Connector for IBM® CICS®

Combining time-tested Enterprise Information Systems (EIS) with internet compatible applications in company's with heterogeneous hardware and software is a great challenge.

Successful e-commerce solutions must enable an inexpensive integration of the systems that are available.

With the J2EE™ Connector Architecture Specification for the Java™ 2 Enterprise Edition (J2EE) the cornerstone to a solution has been laid. It defines - today and for the future - the standard of how any of the following

- EIS,
- ERP-Systems,
- transaction monitors and
- non-relational databases

are integrated into an application server

- scaleable
- transactional
- secure

The COMPORSYS Connector for IBM® CICS® has been one of the first available connectors that implements the J2EE™ Connector Architecture Specification (JCA) - developed for use in every application server. COMPORSYS is now looking back on three years of successful Enterprise Integration with JCA.

The API of the COMPORSYS Connector for IBM® CICS® offers three interfaces for different use:

- The External Call Interface (ECI) allows the synchronous and asynchronous execution of CICS programs within a transaction (Distributed Program Link).
- The External Presentation Interface (EPI) creates a virtual terminal on whose "monitor" with the help of the API, you can both start transactions and get hold of the results (3270 Screen Scraping).
- The External Security Interface (ESI) offers methods for user identification and password management.

The COMPORSYS Connector fully integrates into the application server:

- Easy installation and deployment through "plug-in" resource adapter.
- The CICS® commands are carried out in the transaction context of the Java™ Transaction Service (JTS).
- The integrated Connection Pooling offers the necessary scalability.

The communication between IBM® CICS® and the COMPORSYS Connector is executed through the IBM® CICS® Transaction Gateway, which is a component of the actual versions of the IBM® CICS®.

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**Our feature**
**Your advantage**


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**Application Server Integration**

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| <ul style="list-style-type: none"> <li>- complies with the J2EE™ Connector Architecture Specification 1.0</li> <li>- integrates fully with the Java™ Transaction Service (JTS)</li> <li>- authentication through CICS®</li> <li>- can be used even without an application server, for instance for prototyping</li> </ul> | <ul style="list-style-type: none"> <li>- may be used in any application server</li> <li>- utilization in the proven infrastructure of the server for               <ul style="list-style-type: none"> <li>- transaction management</li> <li>- connector pooling</li> <li>- configuration</li> <li>- tracing and logging</li> </ul> </li> </ul> |
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**Transaction Management**

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|---|--|
| <ul style="list-style-type: none"> <li>- support for "<i>extended unit of works</i>"</li> <li>- transactional processing also with EPI</li> <li>- support of the transaction level "<i>local_transaction</i>" and "<i>xa_transaction</i>"</li> <li>- "<i>commit-on-prepare</i>" while taking part in a distributed transaction</li> </ul> | <ul style="list-style-type: none"> <li>- several CICS programs can be executed in one transaction while using various Enterprise JavaBeans™, Java™ Servlets etc.</li> <li>- easy, convenient and secure way to carry out transactions</li> <li>- allows you to take part in a distributed transaction</li> </ul> |
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**Data Types and Conversions**

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|--|--|
| <ul style="list-style-type: none"> <li>- COMPORSYS Code Generation Tool generates Java Record and Access classes from COBOL copy books.</li> <li>- automatic conversion from and according to EBCDIC</li> <li>- framework for the definition of your own data types</li> </ul> | <ul style="list-style-type: none"> <li>- focus on the business logic</li> <li>- easy programming</li> <li>- any conversion from for example Cobol and PL/1 data types can be done</li> </ul> |
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**Communication**

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|---|---|
| <ul style="list-style-type: none"> <li>- integrates the IBM® CICS® Transaction Gateway</li> <li>- supports SNA, TCP/IP, Named Pipes and other protocols</li> <li>- comprehensive tracing possibilities</li> <li>- for example available for Windows NT®/2000®, Sun Solaris™, Linux, IBM AIX® and OS/390®</li> </ul> | <ul style="list-style-type: none"> <li>- proven connectivity solution</li> <li>- easy administration using a graphic user interface</li> <li>- high scalability and availability through work load management</li> <li>- flexibility of distribution</li> </ul> |
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**COMPORSYS Connector**  
for IBM® CICS®

Available for

- All application server with support for the Java Connector Architecture (JCA). The Connector is ready-to-use for:
- BEA WebLogic Server 6/7/8
- BEA WebLogic Integration 8
- IBM Websphere 5
- Sun ONE AS 7
- JBoss 3
- Oracle 9i AS
- SAP J2EE Engine 6

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More information about

J2EE™ Connector Architecture  
Specification  
<http://java.sun.com/j2ee/connector>

IBM® CICS® Transaction Gateway  
<http://www.ibm.com/software/cics>

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