



What's new with EntireX Communicator 7.3

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 **SOFTWARE AG**

Project Status

- Next release of EntireX Communicator
- Version 7.3
- Planned release date end of November 2006
 - ◆ z/OS
 - ◆ Windows
 - ◆ Sun Solaris
 - ◆ Linux Intel
- Additional Unix platforms released later
 - ◆ HP PA-Risc, AIX (planned for December 2006)
 - ◆ z/Linux, Linux EM64T, HP-Itanium (planned for February 2007)
- Last-minute changes possible

Key Enhancements

Key Enhancement areas

- **CentraSite**
- **Eclipse**
- **COBOL and PL/I**
- **IMS, WebSphere MQ and .NET**
- **Security**
- **Tracing**
- **Further Enhancements**

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CentraSite

Support for CentraSite SOA repository / registry

- Available today
 - ◆ CentraSite registration of EntireX web services

- Store integration metadata in CentraSite
 - ◆ WSDL
 - ◆ IDL
 - ◆ XML Mapping files (xmm)

- Enable Impact Analysis
 - ◆ Visualize dependencies between enterprise services
 - Web Services
 - Legacy Program Logic

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Eclipse

Eclipse support

- Available today
 - ◆ IDL Editor & IDL Extractor for Natural
 - ◆ Java Wrapper
 - ◆ Web Services and WSDL support

- Eclipse as development environment
 - ◆ Full IDL support
 - ◆ Cover today's EntireX Workbench functionality
 - ◆ Common Software AG strategy
 - State-of-the-art development environment
 - Widely-used industry standard
 - ◆ Replacement of EntireX Workbench



Eclipse II

Eclipse support in detail

- IDL Editor

- IDL Extractor for
 - ◆ Natural
 - ◆ COBOL
 - ◆ PL/I
 - ◆ XML Schema, WSDL, XML document

- XML Mapping Editor

Eclipse III

Eclipse support in detail (continued)

- Generators for
 - ◆ Java
 - ◆ COBOL
 - ◆ PL/I
 - ◆ C
 - ◆ .NET
 - ◆ DCOM
 - ◆ XML and Web Services

- Pre-configured Eclipse
 - ◆ Optional part of installation
 - ◆ „Software AG“ Eclipse: to be reused by other products

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COBOL and PL/I

Extended support for COBOL and PL/I

- PL/I support
 - ◆ RPC client
 - ◆ RPC server

- Enhanced extractor for COBOL
- Extractor for PL/I

- Extractor Services
 - ◆ Retrieve source members from mainframe datasets (PDS) directly
 - ◆ Avoids manual ftp step
 - ◆ Add-on to z/OS Batch RPC server

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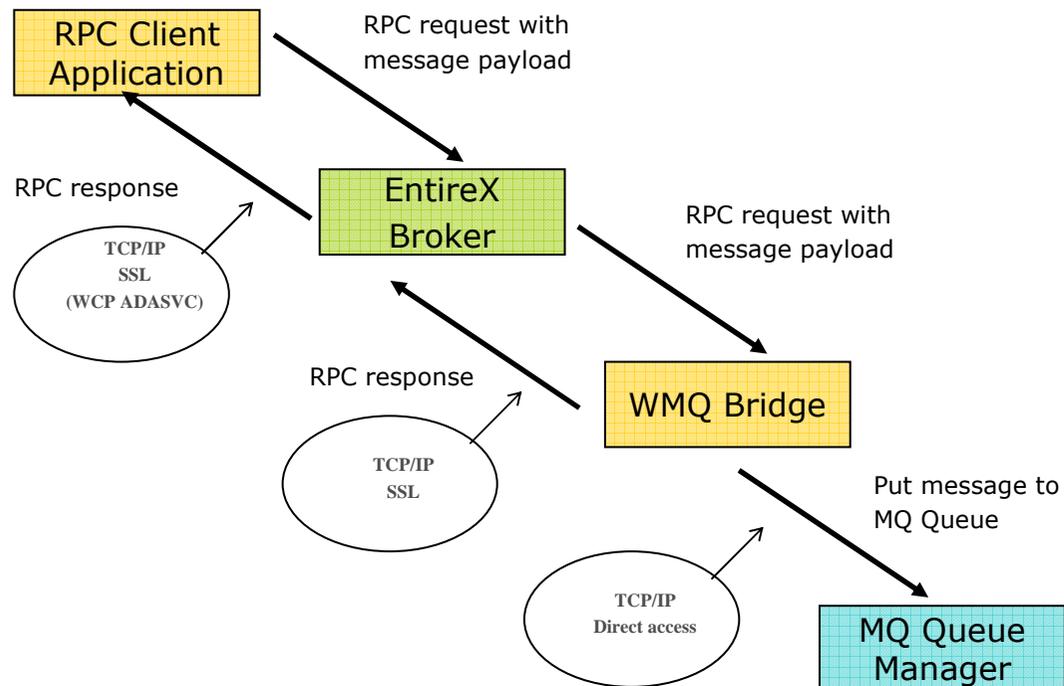
IMS

Specific Enhancements are

- IMS support
 - ◆ IMS RPC Server
 - ◆ IDL enhancements for IMS
 - COBOL
 - PL/I

WebSphere MQ

- WebSphere MQ Bridge
 - ◆ Uses existing Java-based Bridge Framework
 - ◆ RPC-based access to MQ
 - ◆ Connects to MQ on all platforms
 - ◆ Connects to local or remote queue managers



.NET Enhancements

Specific Enhancements are

- .NET ACI interface
 - ◆ Full managed code (100% .NET)
- .NET Wrapper as Visual Studio 2005 Plug-in
- DCOM Wrapper as Visual Studio 2005 Plug-in

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Security

Security Enhancements

- Identity Management within Software AG products
 - ◆ Delegation of a trusted user across the application
 - ◆ Phase 1: supported by EntireX and Natural
 - ◆ Uses distributed Integrated Authentication Framework

- Simplification of EntireX Broker Kernel Security on z/OS
 - ◆ No separate started task necessary
 - ◆ Configuration via Broker Attribute file

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Tracing

Tracing Enhancements

- Start / Stop tracing of EntireX RPC Server
- Filtering in Broker kernel
 - ◆ User ID or Class/Server/Service
- Cyclic trace for Broker kernel
 - ◆ 2 files of limited size written alternately
- Preserve trace files on Windows / Unix
- Broker Trace utility
 - ◆ Now also processes stub traces
- Node Name / Application Type / Application Name

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Further Enhancements I

Broker Enhancements

- Embedded persistent store
 - ◆ Open systems
 - ◆ Alternative to Adabas

- z/OS Broker based on IBM LE runtime
 - ◆ Improved TCP/IP performance
 - ◆ SSL support

Further Enhancements II

Support for new versions of Natural and Adabas

- Natural 4.2 and Natural 6.2
 - ◆ Unicode support
 - ◆ 99 levels in structured data types
 - ◆ Natural Security password change

- Adabas 8
 - ◆ Adabas 8 SVC supported
 - ◆ Allow message sizes larger than 32K

Further Enhancements III

Miscellaneous Enhancements

- Command and Info Services
 - ◆ New interface supports any RPC client

- Automatic SOA Deployment
 - ◆ Web Service to J2EE application server
 - ◆ Automatic update of XML Servlet

- 24x7 enhancements (Phase 1)
 - ◆ Technological basis for Broker-to-Broker Communication
 - ◆ Primary and secondary Broker
 - Stand-by Broker for persistent messaging
 - Using shared persistent store



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