



# horizons

Sun's SOA & Composite  
Application Summit **2006**

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**EWAY™ ADAPTOR 5.1 - A**  
**REVIEW OF THE NEW**  
**FEATURES AND**  
**FUNCTIONALITY**

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# Agenda

- eWay™ Adaptor 5.1 and Add-ons
- New features and functions for all eWays
- Specific features and functions for each eWay Adaptor
- eWay Adaptor 5.1.1
- Demonstration

# eWay™ Adaptor 5.1

- Communications eWay Adaptors
  - Batch
  - WebSphere MQ
  - eMail
  - CICS
  - IMS
  - HTTPS
  - TCP/IP
  - HL7 TCP/IP
  - LDAP
  - SNA
  - COM/DCOM

# eWay Adaptor 5.1

- Database eWay Adaptors
  - Oracle
  - DB2
  - DB2 Connect
  - SQL Server
  - Sybase
  - JDBC/ODBC
  - VSAM

# eWay Adaptor 5.1

- Application eWay Adaptors
  - WebLogic
  - Sun Java™ System Application Server
  - PeopleSoft
  - Siebel EAI
  - SAP ALE
  - SAP BAPI

## 5.1 Add-ons

- eGate™ Integrator API Kit
- OTD Libraries
  - SWIFT
  - HL7

# Enhancements for all eWay Adaptors

- Based on JCA 1.5 Specification
- Enhanced Version Control
- Support for using LDAP parameters in runtime
- Configurable MDB Pool Size for inbound eWays
- Connection Pooling
- EAR file size reduction
- Environment Configuration improvement

# Database eWay Adaptors

- Editable OTDs
  - Add or remove database objects
  - Change column data type
  - Add or remove columns from table objects
  - Add or remove Prepared Statement objects
  - Edit Prepared Statement objects
  - Add or remove Stored Procedure objects
  - Edit Stored Procedure Resultset objects

# Database eWay Adaptors (Cont.)

- Relaunchable OTDs
  - Business logic in JCD or BPEL will not be impacted
  - New database objects can be added
  - Deleted database objects will be flagged as error if used
- Connection Retry
- Combined Inbound/Outbound/XA into a single Environment Configuration property

# Oracle eWay Adaptor

- Added option for creating XSD schema for sending data in XML format
  - Provides for easily creating messages matching the Oracle metadata
- Packaged with 10G driver

# DB2 eWay Adaptor

- Added support for z/OS DB2 8.1
- Packaged with DataDirect 3.5 driver

# DB2 Connect eWay Adaptor

- Added support for Type-4 Universal Driver
- Added support for DB2 Connect 8.2
- Added support for z/OS DB2 8.1

# SQL Server eWay Adaptor

- Added support for SQL Server 2005
- Packaged with DataDirect 3.5 driver

# WebSphere MQ eWay Adaptor

- Added support for MQ V6
- Supports Bulk Get and Put for eInsight to improve throughput
- Open Queue option is configurable in Connectivity Map so the same option can be reused for multiple runs

# CICS eWay Adaptor

- Added support for CICS 3.1
- Added support for CTG V6
- Relaunchable OTD for Cobol CopyBook
  - collaboration doesn't have to be rebuilt when OTD is changed

# IMS eWay Adaptor

- Added support for IMS Connect 9.1
- Supports Parallel scheduling in addition to Serial mode to improve throughput
- Support for new Persistent mode in addition to Transaction mode

# Batch eWay Adaptor

- Added support for Pre and Post Transfer operation
- Enhanced support for user defined heuristics
- Supports Manual Mode
- Supports Client and Server authentication using SSL

# HTTPS eWay Adaptor

- Client Digest Authentication
- UserID/Pwd can be overridden in JCD
- Support cookies over redirect

# COM/DCOM eWay Adaptor

- Relaunchable OTD
  - collaboration doesn't have to be rebuilt when OTD is changed

# SAP ALE eWay Adaptor

- Added support for ECC 5.0 Unicode and Non-Unicode
- Supports IDoc lookup when building OTD
- Supports OTD Tester
- Supports for IDoc extensions
- Relaunchable OTD

# SAP BAPI eWay Adaptor

- Added support for ECC 5.0 Unicode and Non-Unicode
  - Same OTD supports Unicode and Non-Unicode
- Added new methods for commit and rollback
- Added support for Table Types, Changing Parameters and Nested ABAP structures
- Relaunchable OTD

# eWay Adaptor for Sun Java™ System Application Server

- Added support for Sun Java™ System Application Server 8.1
- Communication with Java System Application Server via IIOP
  - Smaller footprint without the App Server Client library

# WebLogic eWay Adaptor

- Added support for WebLogic 9.0
- Communication with WebLogic App Server via IIOP
  - Smaller footprint without the App Server Client library

# Upgrading eWay Adaptors

- Export Projects and Environments from 5.0
  - Environments must be exported to provide for automatic conversion on import to 5.1
- Import Projects and Environments into 5.1
  - Changes where properties moved from the Connectivity Map to External System will be automatically converted

# External System Changes

- 5.0 has separate Inbound and Outbound External Systems
- 5.0 has separate External Systems for XA
- 5.1 has combined them into one
- On import, each 5.0 External System will be converted to a combined 5.1 External System with the 5.0 properties retained

# Combine or not Combine

- To have fewer External Systems, the individual External System may be combined
  - For example Oracle eWay Adaptor has up to 3 External Systems (Inbound, Outbound and XA) which can be left as is or combined
- Combining them will require a manual transfer/copy of the properties into the one to be used by the project
- Once combined, the unused External Systems may be deleted
- Combining is not required

# File eWay Adaptor

- The “Directory” parameter has been moved from the Connectivity Map to the Environment Properties
  - Provides for easier Environment migration as the directory often times must be changed in different Environments
- Check to make sure you have the correct value there

# eWay Adaptors planned for 5.1.1 release

- MSMQ
- Informix
- Seagull Screen Access
- Oracle Application
- Lotus Notes/Domino
- eWay Adaptor Development Kit
- SWIFT Alliance Gateway

# Demonstration

- Editable Database OTD
- Relaunchable OTD

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