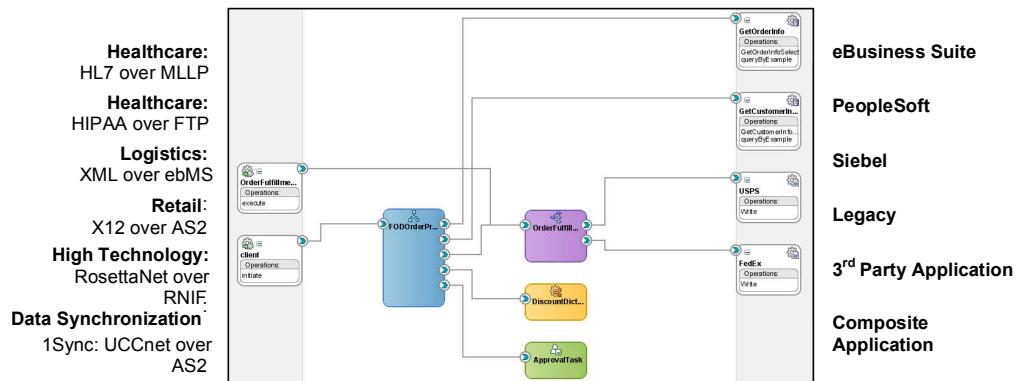# Oracle B2B 12*c*

ORACLE B2B

FEATURES INCLUDE:

- EDI
  - UN/EDIFACT
  - EDIFICE
  - EIDEL
  - EANCOM
  - EIDX
  - Script
  - SIMPL - EDI
  - Inland Revenue
  - ASC X12
  - X12F
  - VICS EDI
  - CHRY, Ford, GM
  - ISA
  - UCS
  - WINS
- Healthcare
  - HL7
  - NCPDP Telecom / Script
  - HIPAA
  - HIPAA External code list
  - NCPDP Telecom
  - NCPDP Script
  - X12N
  - UCS
- General
  - OAGIS
  - TDDC
  - UB92
  - STAR
  - cXML
  - xCBL
  - XSD / DTD
  - W3C XML Schema
  - Positional Flat Files
  - Custom document

- Packaging
  - MIME, SMIME
  - XMLDSig, XMLEncrypt
  - SOAP
- Transports
  - Oracle AQ, JMS
  - File, FTP, FTPs, sFTP
  - HTTP, HTTPs
  - SMTP, IMAP, POP3
  - MLLP, TCP/IP
  - Web Services
- Exchanges
  - AS1, AS2, AS4
  - ebMS
  - RNIF
- Trading Partner Management
  - CPA / CPP
  - Self Service / Cloning
  - Auto agreement generation
  - Trading Partner Downtime / Throttling

Oracle B2B provides secure and reliable exchange of documents between businesses e.g. Retailers, Suppliers and Manufacturers. This type of eCommerce, B2B, represents mature business documents, classic business processes and industry standard messaging services and requires an architecture to manage the complete end-to-end business process.

As a component of the Oracle SOA Suite, Oracle B2B meets this challenge and together, they provide an architecture enabling a unified business process platform, end-to-end instance tracking, visibility, auditing, process intelligence, governance, and security. (B2B, BPEL Process Manager, Business Rules, Human Tasks, Mediator)

Healthcare:
HL7 over MLLP
Healthcare:
HIPAA over FTP
Logistics:
XML over ebMS
Retail:
X12 over AS2
High Technology:
RosettaNet over RNIF.
Data Synchronization:
1Sync: UCCnet over AS2

eBusiness Suite
PeopleSoft
Siebel
Legacy
3rd Party Application
Composite Application

Product Overview

Oracle B2B is the entry point into your enterprise enabling:

- Document Management
- Transport and Exchange Management
- Partner Management
- Reports and Monitoring
- System Management

Document Management

Oracle B2B enables the definition, validation, normalization / translation, identification, correlation, batching, routing and envelope generation of documents as defined by the individual standards. The translators and Document Editor are Powered by EDIFECS[TM].

Transport and Exchange Management

Oracle B2B enables secure and reliable messaging by supporting numerous transports and messaging services. Within each standard the user can define the protocol, transport parameters, channel attributes, exchange parameters and security requirements.

- *Transports*: Oracle AQ, JMS, File, FTP, FTPs, sFTP, HTTP, HTTPs, SMTP, IMAP, POP3, MLLP, TCP/IP
- *Messaging Services*: AS1, AS2, AS4, ebMS, RNIF

ORACLE B2B

FEATURES (CNTD)

- General Features
  - Document normalization / translation / auto retry / resubmission / sequencing
  - Acknowledgment: Auto generation / consumption
  - Batching
  - Envelope Generation
  - Large document support
  - Common User Id & Policy store
  - Role & Permission based authorization for users
  - Payload Obfuscation
  - SSO support
  - Command line utility to perform admin tasks
  - Java Message Instance APIs to write custom reports

KEY BENEFITS:

- Easy to use UI
- Comprehensive Partner Management
- Extensive protocol support
- Powered by EDIFECS™
- Mix and match of protocols
- Built on a standards based scalable architecture
- One platform to address all of the B2B eCommerce requirements of an enterprise
- Based on the Web Logic Server technology stack
- Complete Management through Oracle Fusion Middleware
- Seamless integration into the E-Business Suite

RELATED PRODUCTS AND SERVICES:

- SOA Suite
- jDeveloper

Note: Oracle B2B is a multi-protocol server. A separate license is required to use the EDI, Healthcare, RosettaNet and ebXML related functionality they are called "adapters"

Partner Management

Oracle B2B enables the user to define:

- *Partner Profiles -* Partner Identifications, contacts, security, access, supported documents and communication channels.
- *Partner Agreements -* Within the available partner profile what was agreed? The Partner, document, method of delivery, SLA and identification.

Features include:

- Easy support of multiple protocols across the Partner Community. Multi-protocol by multi-version support by Partner
- Complete auditing of interactions
- Service Level Setting: Time to Acknowledge, Time to perform, Retry Counts, compression, non-repudiation of origin, non-repudiation of receipt, and encryption
- Multi-level security support, based on Oracle's Unbreakable Security

Reports and Monitoring

Oracle B2B provides:

- *Parameterized Reports - Tracking document activity: Business, Application, Wire, Error and Conversation Reports*
- *Metrics - Active Partners, Active Documents, Messages Processed, Average Processing Time, Average Message Size, and Errors*
- *Integration with BAM – Seamless integration with Oracle BAM to capture real time updates to B2B instance messages using real time BAM dashboards*

System Management

Oracle Enterprise Manager 12c: Fusion Middleware Console

- Manage the B2B application
- View end-to-end flow and statistics
- Configure and view log files
- Monitor message state, composite processes, throughput and execution times

Oracle Web Logic Server 12c: Administration Console

- Manage and tune Applications and Services
- Manage Security: Key stores, SSL, Users & Groups and Roles & Policies

Design

- *Oracle B2B:* A Web based UI to configure and manage the B2B environment
- *Document Editor:* A windows based component to define document guidelines
- *Oracle jDeveloper*: A B2B Configuration Wizard to configure services

For More information

To learn more visit: http://www.oracle.com/technology/products/soa/b2b/index.html