IBM WebSphere® Data Interchange V3.3

Configuration Options

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This presentation describes the configuration options between the WDI Server and WDI Client provided by IBM WebSphere Data Interchange.

WDI Configuration Options

- Typical Configurations with WDI Client
  - ▶ Stand-alone mode
    - WDI Client connects only to a local database
    - Production system is maintained by FTP of WDI export files
  - ▶ Client / Server mode
    - WDI Client connects to remote production and test databases
    - Production system is maintained using WDI Client
  - ▶ Client Server mode with Local database
    - WDI Client connects to remote databases and a local database
    - Development performed on local database
    - Protection system is maintained by multiple methods

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Typical Configurations with WDI Client can be described as follows:

1) Stand-alone mode

   With this mode, the WDI Client connects only to a local database, and maintenance is done on the local database and the WDI Export facility is used along with FTP to maintain the production / operational system data tables

2) Client / Server mode

   With this mode, the WDI Client connects directly to remote production and test databases using ODBC and middleware, such as DB2 Connect.

   The production data tables and test data tables are maintain using WDI Client. Security can be used to allow different groups access to production than are allowed to access Test data tables.

3) Client Server mode with Local database

   With this mode, WDI Client connects to remote databases and a local database

   Development can performed on local database to increase performance and then a common Test system can be updated using WDI Export to System or FTP. The protection system data tables can be maintained using multiple methods.
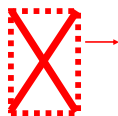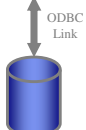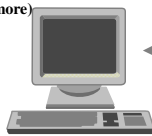
WebSphere Data Interchange: WDI Client
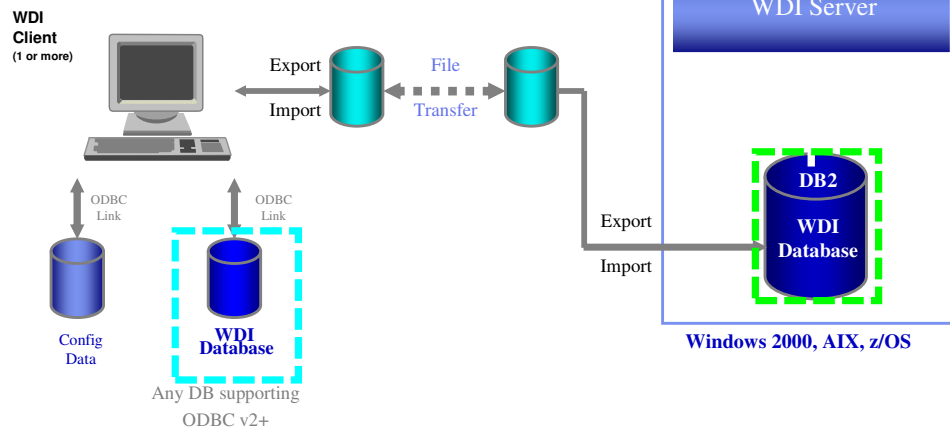
Stand-alone requires data to be exported from WDI Client, transferred to the server and imported to WDI Server. Import/Export are functions provided with WDI.

WebSphere Data Interchange: WDI Client

Test / Production

Client / Server mode

WDI Client (1 or more)

Client/Server ODBC LINK

On PC or Server

DB2 Connect P.E. v7.2

WDI Server

ODBC Link

Middleware Link

DB2 WDI Database

Config Data
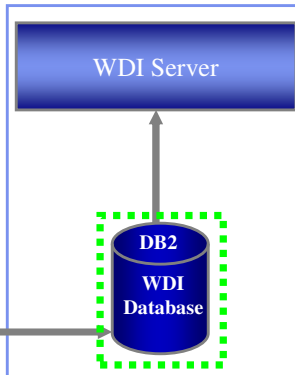
Windows 2000, AIX, z/OS

Client/Server provides real time updates between WDI Client and WDI Server using a single, common database on the server.

WebSphere Data Interchange: WDI Client

A local DB may also be used for a stand-alone development system. Maps, profiles, and other objects can be exported from the 'local' system to the client/server systems using 'export to system'.

Controlling the Environment
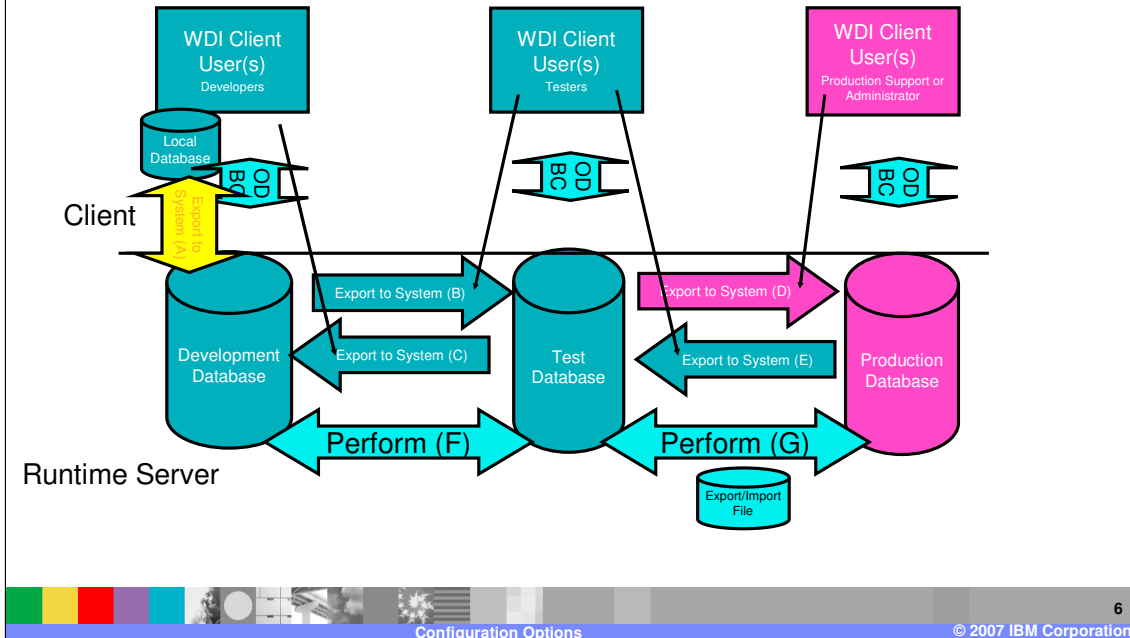
The following configuration combines elements of a source code control system with a rigidly managed deployment process for changes in a multiple translation server environment. This configuration uses both PC and server databases. It makes extensive use of client/server access, along with the Export to System function within WebSphere Data Interchange Client to move objects, such as maps and DTDs, from system to system.

WDI Connection Options

- ## User Connection Options
  - ▶ Stand-alone
    - Client users not connected to operational systems
  - ▶ Single user connection
    - Each user connects directly to the database using ODBC
  - ▶ LAN user connection
    - Client users connect to a Server database using a Local Area Network

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Typical ways that Client users can connect to a WDI Server database are:

1) Stand-alone

   Client users not connected to operational systems, FTP and batch WDI Import are used to update tables

2) Single user connection

   Each user connects directly to the database using ODBC and DB2 connect

3) LAN user connection

   Client users connect to a Server database using a Local Area Network.

WebSphere Data Interchange for z/OS

Business Exchange
Service (Internet)

**IBM
EDI Service**

**Internet
AS1, AS2, FTP
WebSphere Partner
Gateway**

z/OS

OS/390

MVS
CICS
DB2

Expedite/
WebSphere MQ

DB2 Connect
or Stand-Alone

TSO Session or
CICS Transaction

LAN

WebSphere MQ

DB2 Connect
or Stand-Alone

**WDI Client
Single or
Multi-User**

Distributed Applications

**WDI Client
Single User**
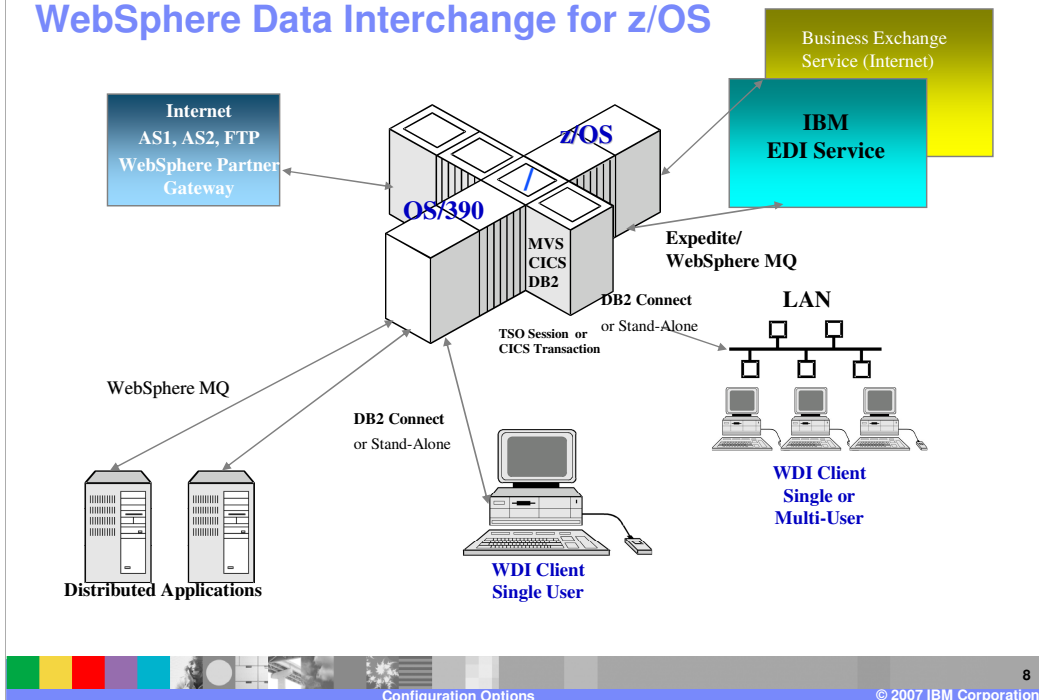
WebSphere Data Interchange (WDI) OS/390 and z/OS environment. A test and production environment is recommended for WDI.

WebSphere Data Interchange for z/OS

- ## System Requirements:
  - ▸ z/OS V1.6 (ESA/390 mode) (xxxx-xxx) or later
  - ▸ CICS Transaction Server for z/OS Version 2.2 (xxxx-xxx)
  - ▸ DB2 V8.2 and higher for z/OS
    - ▪ DB2 Connect Personal Edition V8.1+ *required* for client/server mode

- ## XML Toolkit for z/OS & OS/390
  - ▸ V1.8 (batch); V1.6 for CICS TS 2.2

  - ▸ download at
    - ▪ http://www.ibm.com/servers/eserver/zseries/software/xml/

Configuration Options

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This is a list of system requirements for z/OS and OS/390.

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