



IBM Software Group

IBM WebSphere® Data Interchange V3.3

Environment



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This presentation reviews the Environment setup for IBM WebSphere Data Interchange.

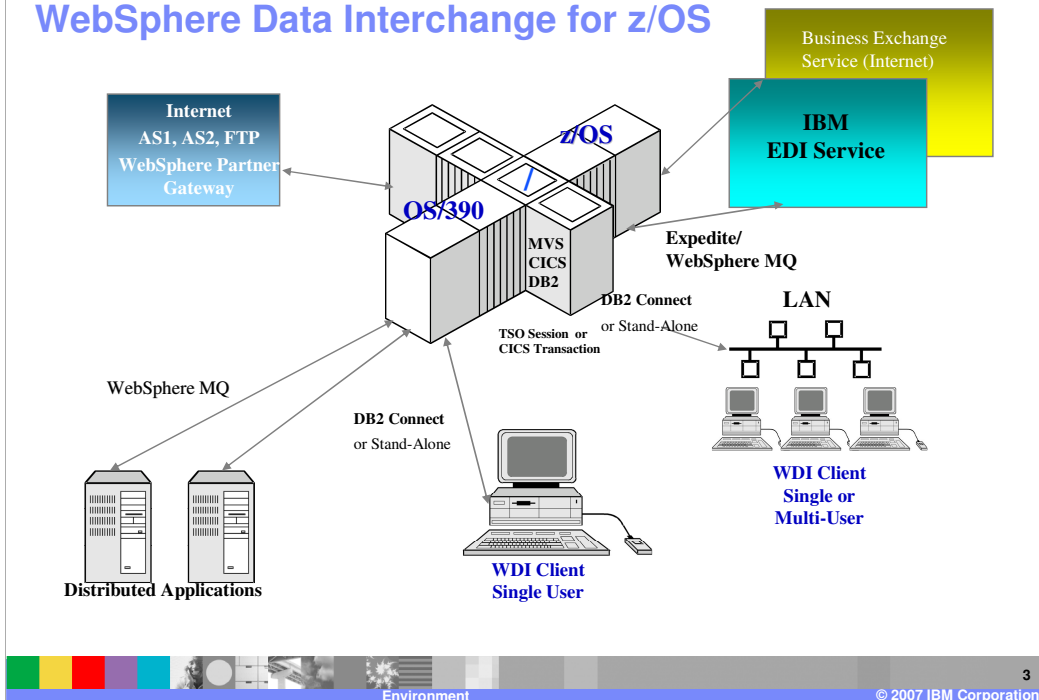
Agenda

- Development Environment
 - ▶ Supported message syntax and data dictionaries
 - ▶ WDI Client
- Runtime Environment
 - ▶ WDI Server



The presentation will describe the development and runtime environments used with WebSphere Data Interchange (WDI).

WebSphere Data Interchange for z/OS



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

Section

Development Environment



Support Syntaxes and Message Dictionaries

- EDI Standards
 - ▶ U.S. – X12
 - ▶ International – EDIFACT, ODETTE, EANCOM97, SAANA
 - ▶ Industry subsets for example UCS, VICS, RAIL,
 - ▶ HIPAA and ANSI X12 embedded HL7
- XML formats
 - ▶ Support for storing, displaying and mapping DTDs and Schemas



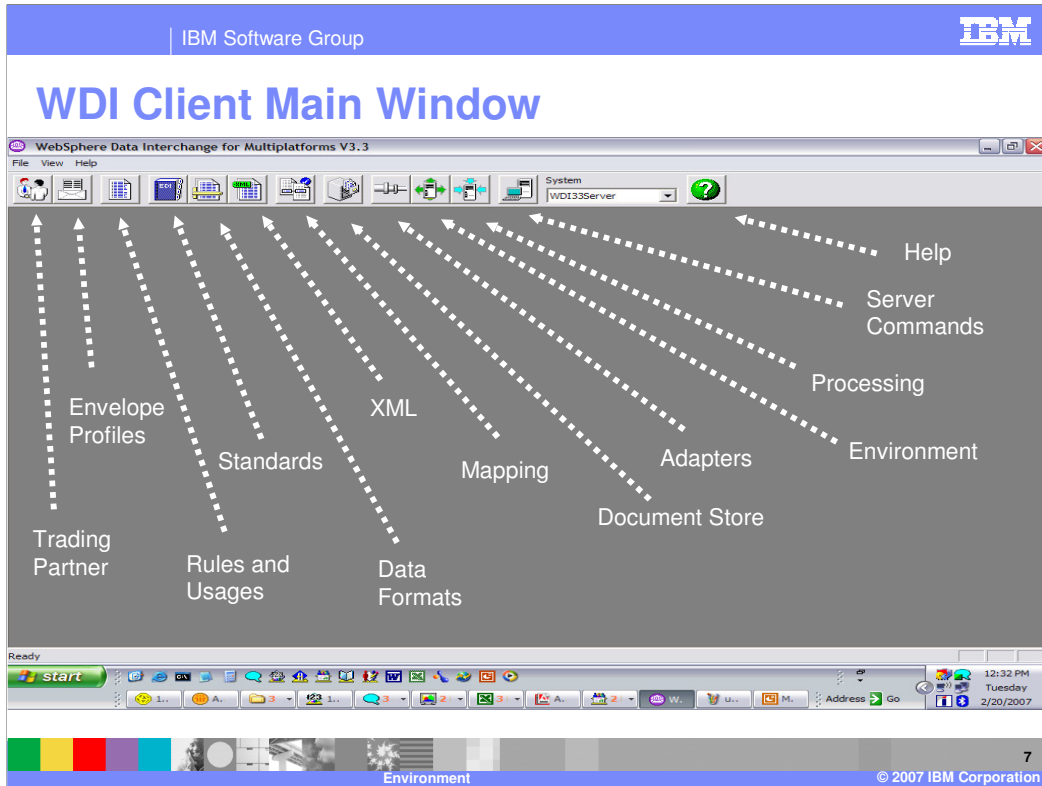
WDI supports a variety of electronic data interchange (EDI) and Industry standards for exchanging data between businesses including XML DTDs and Schemas.

Support Syntaxes and Message Dictionaries

- Record Oriented Data
 - ▶ SAP R/3™ certified
 - v3.1h, IDOC rel 3
 - v4.0b, IDOC rel 4
 - ▶ Fixed length field records
 - COBOL, C, and other structures
 - ▶ Comma separated value data

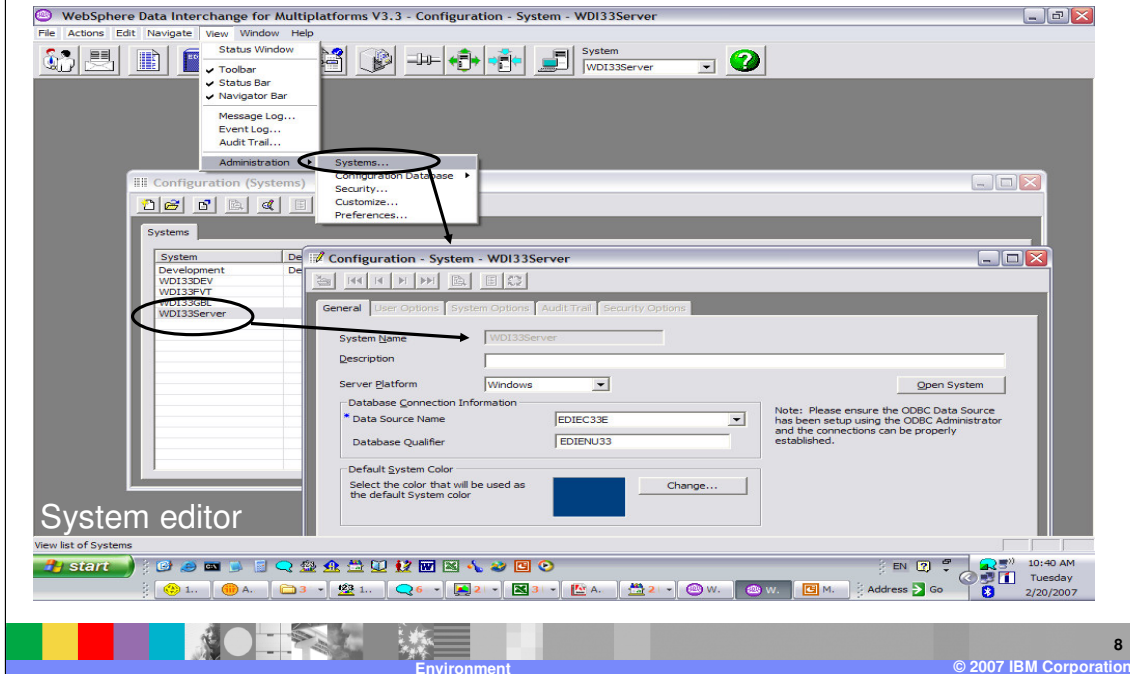


Record Oriented data is data flowing to and from your application that is in flat file record structures. WDI supports Fixed length records as well as comma separated records.



This is the main window of WDI Client. This is a standard Windows screen configuration with the addition of the WDI navigation bar.

List of systems - databases accessible



Using WDI Client you can view the database systems available for the development and runtime environments. To view a list of database systems available go to View, Administration, and select Systems. To view the details of the database, select the system from the list and double click.

Translation

There are two primary translators in WDI

Send / Receive translator

EDI->ADF

ADF->EDI

XML->ADF (XML DTD to EDIFACT with DTD converter)

ADF->XML (XML DTD to EDIFACT with DTD converter)

ADF->ADF (after convert ADF to "standard")

Data Transformation Component (DTC)

EDI->ADF

ADF->EDI

XML->ADF (using XML DTD)

ADF->XML (using XML DTD)

ADF->ADF

XML->XML (using XML DTD)

EDI->EDI

EDI->XML (using XML DTD)

XML->EDI (using XML DTD)



The WDI server provides 2 primary ways to translate or transform data. The Send/Receive Translator which supports source and target data types of EDI and application data format (ADF) or record oriented data. And the Data Transformation with includes support for EDI, XML, and application data.

Client Mapping Screen: send receive mapping

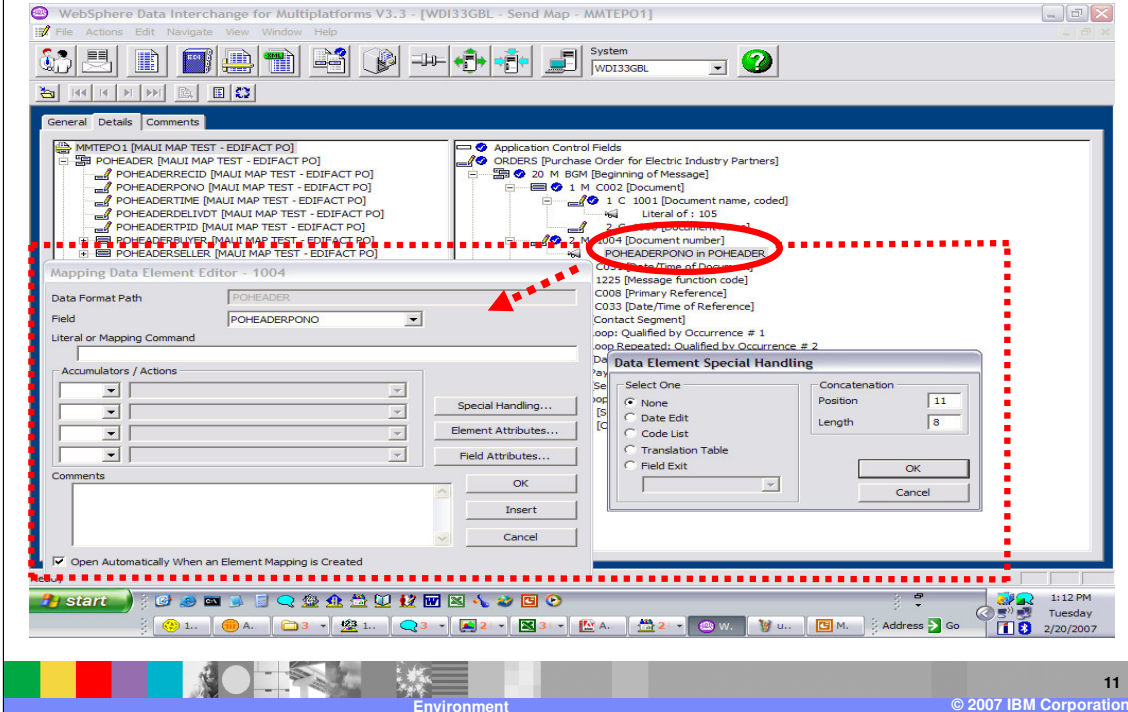
The screenshot displays the WebSphere Data Interchange Client Mapping Screen. The window title is "WebSphere Data Interchange for Multiplatforms V3.3 - [WDI33GBL - Send Map - MMTEPO1]". The interface is divided into two main panes:

- Left Pane (Application Data Format):** Shows a tree view of application data segments. The "POHEADER" segment is highlighted with a red circle. A blue dashed arrow points from this segment to the right pane.
- Right Pane (EDI Standard):** Shows a tree view of EDI standard segments. The "POHEADERPONO" segment is highlighted with a red circle.

Red text labels "Application Data Format" and "EDI Standard" are placed below their respective panes. The bottom of the screen shows the Windows taskbar with the time 1:08 PM on Tuesday 2/20/2007. The footer contains "Environment" and "© 2007 IBM Corporation".

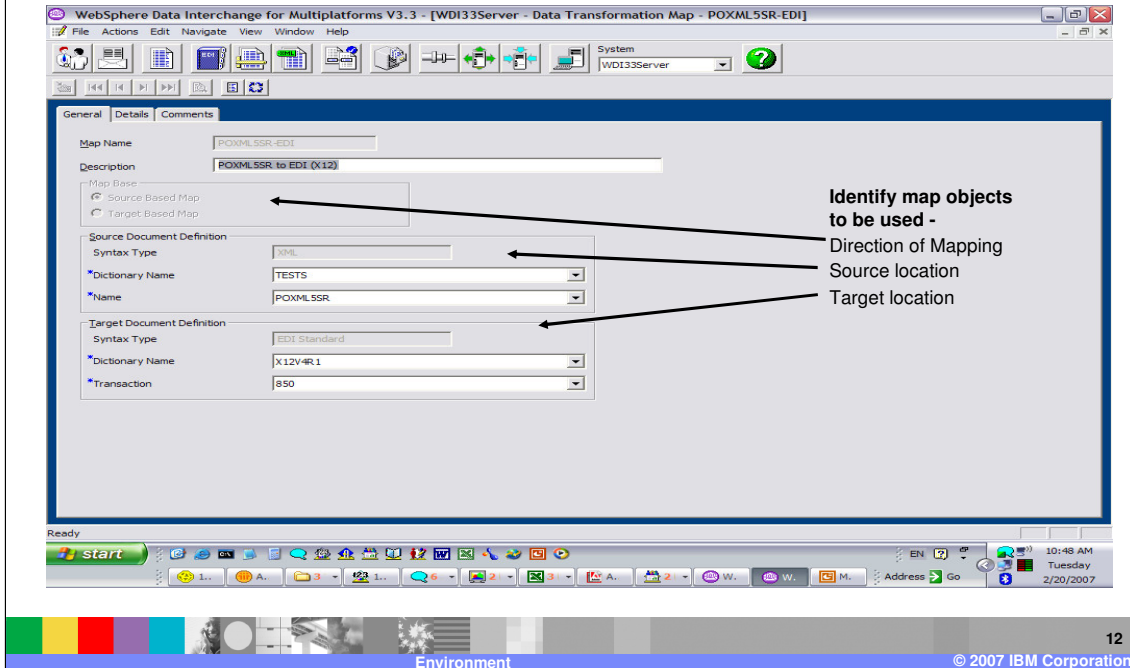
The Send/Receive translation requires a Send or Receive Map. WDI Client Send/Receive mapping screen provides side-by-side, drag and drop mapping with the Data Format (application data) on the left and the EDI transaction on the right. Advanced mapping is also available from this screen.

Client Mapping Screen: send receive mapping



Additional mapping options are available with each field mapping.

Client Mapper



On the WDI Client Mapping dialogue, General tab, the source and target meta-data definitions are identified. With Data Transformation mapping you can choose either the source or the target display to enter your mapping commands.

Client Mapping Screen: Data Transformation

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 Client Mapping Screen. The interface is divided into four main panes:

- Source:** Shows the source XML structure (POXML5SR) with elements like OrderSR, Header, PONum, PODate, Sender, Receiver, DetailLoop, and Trailer. A blue dashed arrow points from the Source pane to the Target pane.
- Target:** Shows the target EDI Standard Transaction structure (Table 1) with segments like 20 M BEG, 1 M 353, 2 M 92, 3 M 324, 4 O 328, 5 M 373, 6 O 367, 7 O 587, and 8 O 1019. A green dashed arrow points from the Source pane to the Target pane.
- Mapping Commands:** Shows a mapping rule being defined, with a red circle highlighting the command: `Table 1:20 M BEG(2 M 92) = "NE"`.
- Variables:** Shows a table of variables with columns: Global Variable Name, Local Variable Name, Scope, Special Variable Name, Scope, and Data Type. A purple dashed arrow points from the Variables pane to the Mapping Commands pane.

The bottom of the screen shows the Windows taskbar with the date and time: Tuesday, 2/20/2007, 10:53 AM. The footer of the slide contains the text "Environment" and "© 2007 IBM Corporation".

WDI also provides Any-to-Any data transformation capability also known as Data Transformation or DT. This mapping screen is divided into 4 panes: source definition, target, mapping commands (including advanced mapping support) and variables which can be applied to the entire translation session or by document.

Client Mapper

Commands:

Mapping commands perform actions that are used to instruct the WebSphere Data Interchange Server that a specific action is to occur. The commands instruct the Server on how to move data from one element to another, including how to manipulate data, how to process repeating compound elements, when to issue user specified errors, and how to perform conditional processing. Most commands require parameters, such as paths that identify where data is going to or coming from, variables, constants, and expressions.

A command name is not case sensitive. For example, the Error() command keyword could also be specified as ERROR().

An expression as a parameter in a command can resolve to any data type as long as the data type can be converted to the data type expected by the parameter. Parameters for a command are never modified by the command.

In general, Data Transformation Maps, Validation Maps, and Functional Acknowledgment Maps support most commands. Exceptions will be documented with the command. Send Maps and Receive Maps do not use these commands.

Assignment Statement	CloseOccurrence()	Default
Else	Elseif()	EndIf
Error()	FAError()	ForEach()
HLEAutoMapped	HLLLevel()	If()
MapCall()	MapChain()	MapFrom()
MapSwitch()	MapTo()	Qualify()
SetProperty()		



This is a list of some of the mapping commands available for data transformation mapping. Some but not all mapping commands are automatic. For example MapTo() is automatic with a drag-drop action using a Source based map.

Client Mapping Screen: Data Transformation

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 Client Mapping Screen. The source tree on the left shows a POXML5SR-EDI structure, and the target tree on the right shows an EDI Standard Transaction structure. A context menu is open over the source tree, with 'SetProperty...' highlighted. A table of global and local variables is visible on the right side of the mapping area.

Global Variable Name	Local Variable Name	Scope	Special Variable Name	Scope	Data Type
	ItemCount		DIOutType	Do...	Character
			DIOutFile	Do...	Character
			DIUserData	Do...	Character

To add a mapping command, right click where you want the command, select to insert before or insert after, select command. A list of commands available is listed in the command window. When you select a command the format of that command will be displayed in a mapping window.

Client Mapper

Functions:

Functions perform an action and return a result within an expression or assignment statement. All functions take 0 or more parameters as input. The number of parameters and the data type of the return value vary from one function to the next. Appropriate type conversions will be done implicitly if needed (and possible). Some functions have optional parameters. If the optional parameters are omitted from the function call, a default value will be used for that parameter.

Most functions can take an expression as an parameter, as long as the result of the expression is (or can be converted to) the correct data type. For example, the Char() function converts a value to a character string. The command:

```
Var1 = Char ( 1 + 2 )
```

Is equivalent to:

```
Var1 = Char ( 3 )
```

Function names are not case sensitive. The function name Char() is the same as CHAR().

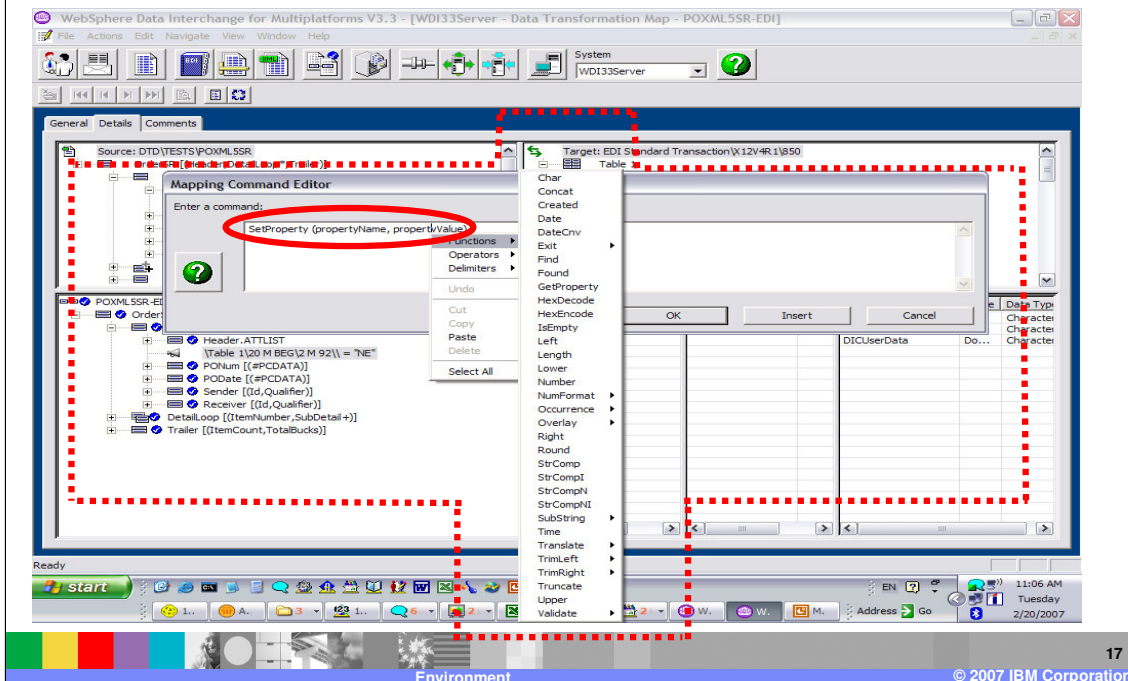
In general, Data Transformation Maps, Validation Maps, and Functional Acknowledgment Maps support most functions. Exceptions will be documented with the function. Send Maps and Receive Maps do not use these functions.

Char() Concat() Created() Date() DateCnv() Exit() Find() Found() GetProperty()
 HexEncode() HexDecode() IsEmpty() Left() Length() Lower() Number() NumFormat() Occurrence()
 Overlay() Right() Round() StrComp() StrCompl() StrCompN() StrCompNI() SubString() Time()
 Translate() TrimLeft() TrimRight() Truncate() Upper() Validate()



Along with commands, there are a number of functions available to add logic and format the data values.

Client Mapping Screen: SetProperty



Functions perform an action and return a result. You can select the SetProperty command from the commands list to add a function as the parameters. The SetProperty command format has two parameters propertyName and propertyValue. Both parameters can be replaced with an expression. Any mapping command that contains an expression can contain a function for that expression. If you right click on the expression and select Functions, a list of functions will be displayed.

Client Mapping Screen: Compile

The screenshot shows the 'Client Mapping Screen: Compile' in the IBM WebSphere Data Interchange for Multiplatforms V3.3. The main window displays a table of map configurations. A red circle highlights the 'Compile' button in the toolbar. A 'Status' dialog box is open, showing the progress of compiling the map 'POXML55R-EDI'.

Map Name	Compile Required	Description	Lock	Updated Date and Time	Updated User ID	Map Base
DTDATATYPE-TESTO	No	Test BN, HX, PD, etc data types	No	1/17/2007 9:05:57 AM	awinters	Target
DTDATATYPE-TESTI	No	Test BN, HX, PD, etc data types	No	1/17/2007 9:05:57 AM	awinters	Target
INVOICE33-TRAD	Yes	INVOICE XML VERSION93 TRADAC	No	1/17/2007 9:05:57 AM	awinters	Target
MRTST_DFCV_DFCV	Yes	Multi Record Id Test DF LOC to DF	No	1/17/2007 9:05:57 AM	awinters	Target
MRTST_DFCV_DFCVU	Yes	Multi Record ID Test DF LOC to DF	No	1/17/2007 9:05:57 AM	awinters	Target
MRTST_DFRW_DFRWU	Yes	Multi Record ID Test DF UNL to DF	No	1/17/2007 9:05:57 AM	awinters	Target
POXML55R-EDI	No	POXML55R to EDI (X12)	No	1/17/2007 9:05:57 AM	awinters	Target
S-DT-ADF-TO-XML	No	Source - Demo for Sending Purchas	No	1/17/2007 9:05:57 AM	awinters	Target
T-DT-EDI-TO-ADF	No	Target - Demo for Receiving Purch	No	1/17/2007 9:05:57 AM	awinters	Target

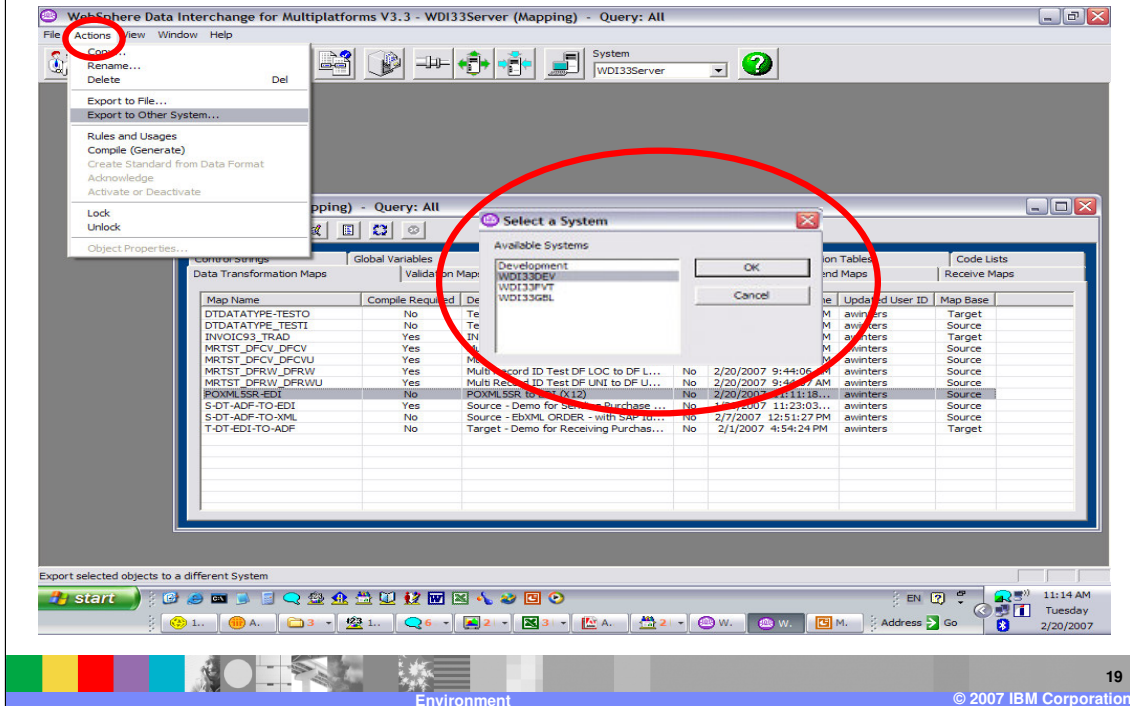
The 'Status' dialog box shows the following progress:

```

Compiling...
Data Transformation Map POXML55R-EDI...
Reading map database tables
Compiling Map Control String for map "POXML55R-EDI"
Compiling EDI Standard Control String for Transaction "850" in dictionary
Compile completed successfully.
  
```

WDI uses a compiled version of the map during translation execution. When mapping has been completed, you must compile control string objects for translation execution. This is true for both Send/Receive and Data Transformation maps.

Client Mapping Screen: Export



To deploy mapping, compiled control strings and other information from the development environment to the runtime environment or to another system or user you can use the Export function.

Client Mapping Screen: Export

The screenshot shows the WebSphere Data Interchange for Multiplatforms V3.3 - WDI33Server (Mapping) - Query: All interface. The 'Export With Control String' dialog box is open, showing options for Referenced Types and Associated Types. The background window displays a table of Data Transformation Maps and Control Strings.

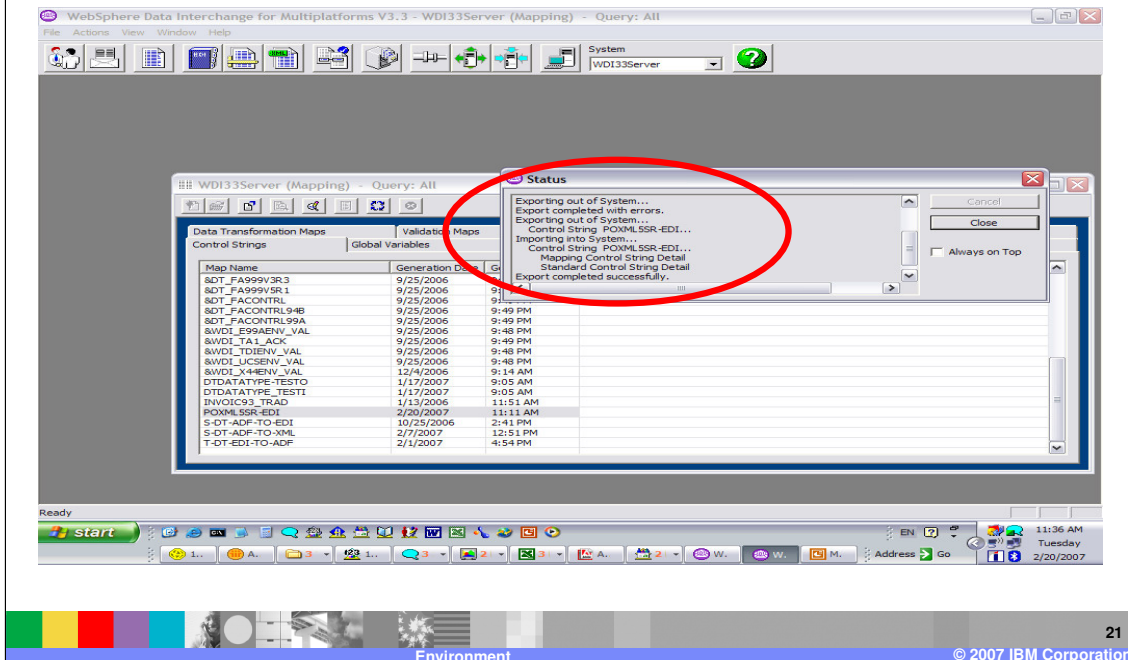
Map Name	Generation Date
SDT_FA999V3R3	9/25/2006
SDT_FA999VSR1	9/25/2006
SDT_FACONTRL	9/25/2006
SDT_FACONTRL94B	9/25/2006
SDT_FACONTRL99A	9/25/2006
SWDI_E99AENV_VAL	9/25/2006
SWDI_TA1_ACK	9/25/2006
SWDI_TDIENV_VAL	9/25/2006
SWDI_UCSENV_VAL	9/25/2006
SWDI_X4ERW_VAL	12/4/2006
DTDATATYPE_TESTO	1/17/2007
INVCIC93_TRAD	1/13/2006
POXMLSSR-EDI	2/20/2007
S-DT-ADP-TO-EDI	10/25/2006
S-DT-ADP-TO-XML	2/7/2007
T-DT-EDI-TO-ADF	2/4/2007

The 'Export With Control String' dialog box has the following sections:

- Referenced Types:**
 - Global Variables
 - Translation Tables
 - Imbedded Maps
 - Data Transformation Map User Exits
 - Field Exits
 - Code Lists
 - XML Namespace Objects
- Associated Types:**
 - Map Rules/Usages: None, All, Select
 - Map Rules/Usages Referenced Types:
 - Translation Exits
 - Trading Partner Profiles
 - Trading Partner Referenced Types
 - Trading Partner Contacts
 - Network Profile
 - Network Profile Associated Type
 - Network Commands
 - Envelope Profiles: Envelope Profiles
 - Network Security Profiles: Network Security Profiles
 - Network Security Profile Referenced Type: Network Security Profile Referenced Type
 - Network Security Exits: Network Security Exits
 - Trading Partner Associated Types: Control Numbers

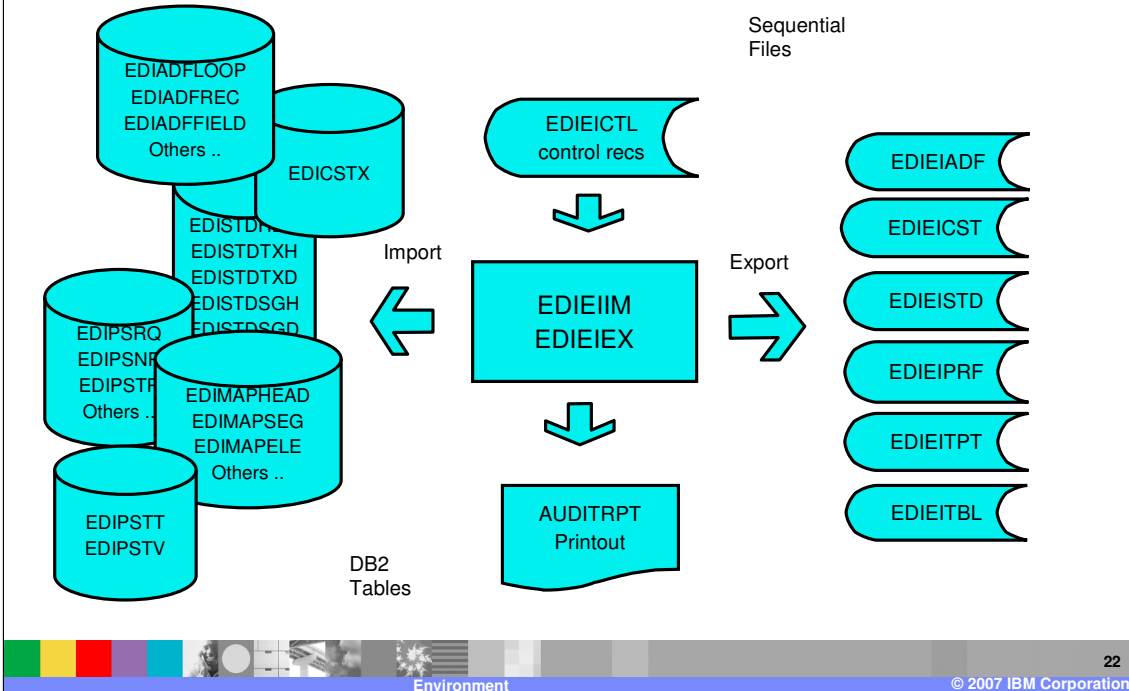
Select the mapping or control string object you want to deploy. A window to allow selection of various associated objects is displayed.

Client Mapping Screen: Export



A status window will be displayed showing details of the export action.

Export / Import Flow



This is a diagram of the Export/Import flow.

Client Profile Administration

Profiles define the application environment under which WDI runs. They allow the user to customize WDI to describe the user application processing flow.

Groups are:

- Trading Partner Management
- Communication Profiles
 - Network Profile
 - Network Commands (VAN language interface)
 - Mailbox Profiles (Requestors of service)
 - WMQ Queue Profiles
- Enveloping Profiles
- Grouping Profiles
- Routing Profiles
 - Service Profile (Command Chaining, RFH2 Headers)
 - MCD Profile (WBI MB header substitution)
 - CICS Continuous Receive (IE connection)



Profiles allow you to describe your processing flow. These are some of the associated objects that may be exported and imported.

Section

Runtime Environment



Command Processor

The WebSphere Data Interchange Utility command language consists of PERFORM statements, WHERE clauses, and SELECTING clauses. It is represented in the text as follows:

```
PERFORM SAMPLE-COMMAND  
  SELECTING SAMPLE-KEYWORD(value )  
  WHERE SAMPLE-KEYWORD(value )
```



The WebSphere Data Interchange Utility command language consists of PERFORM statements, WHERE clauses, and SELECTING clauses.

Command Processor

COMMANDS are:

HOLD	CLOSE MAILBOX
LOAD LOG ENTRIES	EXPORT
PROCESS NETWORK ACKS	IMPORT
PURGE	DELETE PROFILE
QUERY	QUERY PROFILE
RECONSTRUCT	DEENVELOPE
RECONSTRUCT AND SEND	DEENVELOPE AND TRANSLATE
RELEASE	PROCESS
REMOVE LOG ENTRIES	RECEIVE
REMOVE STATISTICS	RECEIVE AND DEENVELOPE
REMOVE TRANSACTIONS	RECEIVE AND PROCESS
RESET STATISTICS	RECEIVE AND SEND
UNLOAD LOG ENTRIES	RECEIVE AND TRANSLATE
UNPURGE	RECVFILE
UPDATE STATISTICS	RESTART RECEIVE
UPDATE STATUS	RETRANSLATE TO APPLICATION
PRINT	TRANSLATE TO APPLICATION
PRINT ACKNOWLEDGMENT IMAGE	ENVELOPE
PRINT ACTIVITY SUMMARY	ENVELOPE AND SEND
PRINT EVENT LOG	RECVFILE AND SEND
PRINT STATUS SUMMARY	REENVELOPE
PRINT STATUS SUMMARY2	REENVELOPE AND SEND
PRINT TRANSACTION DETAILS	RESTART SEND
PRINT TRANSACTION IMAGE	SEND
ENVELOPE DATA EXTRACT	SENDFILE
NETWORK ACTIVITY DATA EXTRACT	TRANSLATE AND ENVELOPE
TRADING PARTNER PROFILE DATA EXTRACT	TRANSLATE AND SEND
TRADING PARTNER CAPABILITY DATA EXTRACT	TRANSLATE TO STANDARD
TRANSACTION ACTIVITY DATA EXTRACT	
TRANSACTION DATA EXTRACT	



As you can see there is a variety of commands available for processing, reporting, and extracting information.

Command Processor

TRANSFORM command

You can use this command to translate data in any format to any other format defined in your WebSphere Data Interchange system. This command uses data transformation maps to translate the data.

Syntax

TRANSFORM

CLEARFILE(clear specified file contents)
 DICTIONARY(input dictionary name)
 DOCUMENT(input data document name)
 IFCC(override condition codes)
 INFILE(input data file name)
 INTYPE(input data file type)
 MAPID(map name)
 OUTFILE(output data file name)
 OUTLEN(maximum output record length)
 OUTTYPE(output data file type)
 SETCC(condition codes)
 SYNTAX(input data syntax type)
 TRACELEVEL(trace level)
 XMLEBCDIC(EBDCDIC indicator)
 XMLVALIDATE(XML validation indicator)
 XMLDTS(XML DTD path)

Typical
command and
options
available

TRANSFORM command example

Transform the WMQ queue file PURCH1 and output the results in file PURCHTRN.

```
PERFORM TRANSFORM
WHERE INFILE(PURCH1)INTYPE(MQ)SYNTAX(X)OUTFILE(PURCHTRN)
```



You can use the PERFORM TRANSFORM command to translate data in any supported source format to any supported target format.

Translation

Feature and Function of Translator

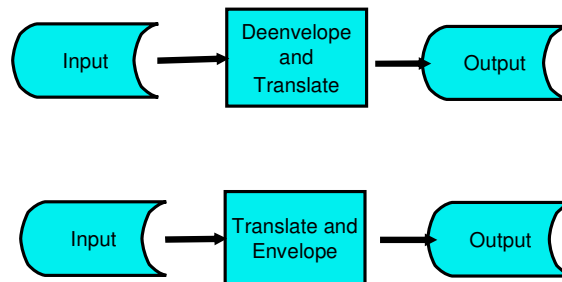
- Deenveloping of EDI headers and transactions
- Enveloping of EDI headers around transactions
- Functional Acknowledgment generation on input
- Functional Acknowledgment Reconciliation on receipt of 997
- Delayed Enveloping in conjunction with Trans Store
- Delayed Translation in conjunction with Trans Store
- Context based identification of map with EDI data
- Customization of delimiters and such by Trading Partner,
via TP Usage or Map Rule
- API for custom solutions
- Data Field exits for DTC
- Variety of user exits for Send / Receive



The features of the translation process include deenveloping and enveloping EDI data, delayed enveloping and translation, functional acknowledgment generation and reconciliation, context based identification of the mapping to use for translation, customized delimiters by trading partner, Application Program Interfaces (APIs), and data field user exit programs.

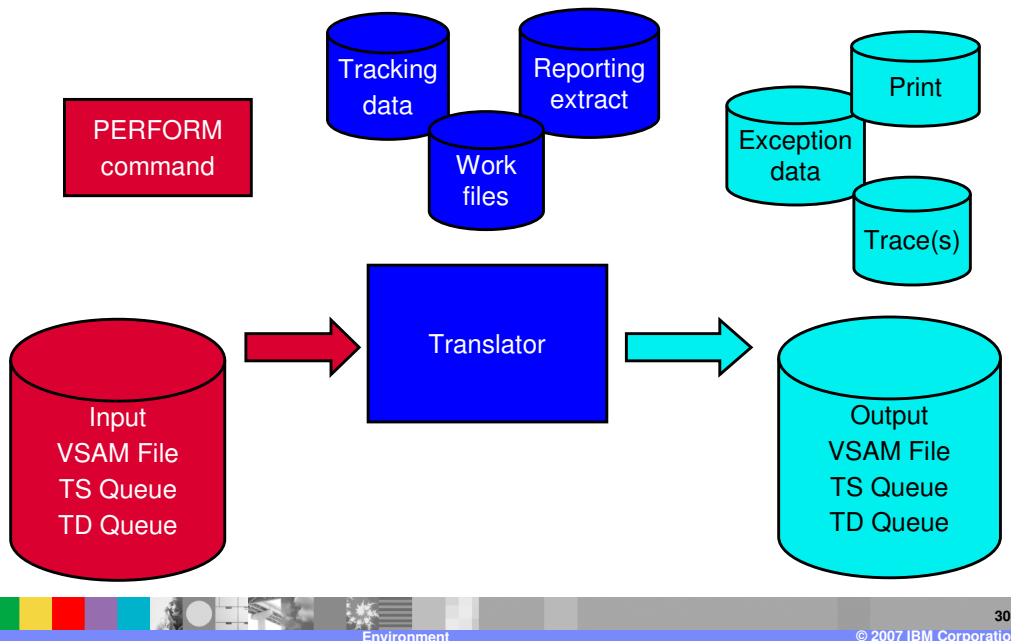
Single Pass Translation

WDI can be executed a transformation engine, taking input and transforming it to different data syntax (EDI, XML, ROD, CSV).



WDI can be executed a transformation engine, taking input and transforming it to different data syntax (EDI, XML, Record Oriented Data, Comma Separated Values).

z/OS® Basic Flow

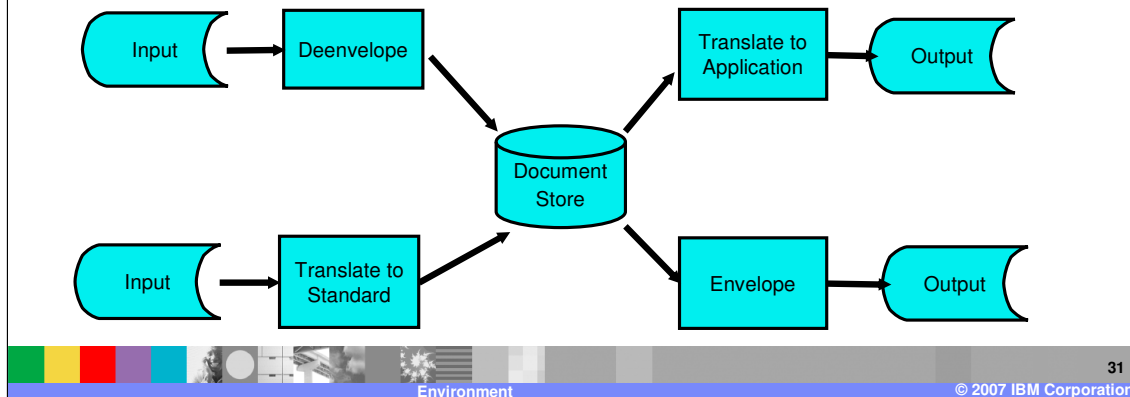


The Tracking file is an optional file into which "optional records" can be written. Optional Records can be created to provide softcopy information about the translation that could be used in user formatted costing or reporting applications. The Report file is used by select PERFORM commands to house data queried. The Work file is used by the Translator.

Document Store

The Document Store is a component of WDI. It consists of a series of DB2 tables and a set of functions to store and manipulate processed EDI data. The S/R translator stores images of EDI data. The data transformation stores images of DF, XML, and EDI data.

With the Document Store, functionality like Delaying Enveloping and FA reconciliation is permitted. The Document Store is also used to facilitate error detection and reprocessing.



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Environment

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The Document Store is a component of WDI. It consists of a series of DB2 tables and a set of functions to store and manipulate processed EDI data. The S/R translator stores images of EDI data. The Data Transformation stores images of application, XML, and EDI data.

With the Document Store, functionality like Delaying Enveloping and FA reconciliation is permitted. The Document Store is also used to facilitate error detection and reprocessing.

WDI z/OS Batch JCL

z/OS batch execution is accomplished by executing the WDI Utility in a Job Step. Multiple PERFORM commands can be processed in a single step execution. Customers normally surround the WDI step with other actions that process the input data files and output data.

```
//RUNDI EXEC PGM=IKJEFT01,DYNAMNBR=20,REGION=0M,COND=(0,NE)
//STEPLIB DD DSN=DB98.DSNEXIT,DISP=SHR DB2
// DD DSN=DB98.DSNLOAD,DISP=SHR DB2
// DD DSN=EDI.V3R2MCD.SEDILM1,DISP=SHR FVT
// DD DSN=EDI.SNA131.LOADLIB,DISP=SHR EXPEDITE
// DD DSN=EDI.XMLV1R4.SIXMMOD1,DISP=SHR XML4C PARSER
// DD DSN=MQ65.SCSOANLE,DISP=SHR MQSERIES
//SYSPRINT DD SYSOUT=*
//EDIQUERY DD DSN=RPOPE.TE51.EDIQUERY,DISP=MOD
//FFSTRAK DD DSN=RPOPE.TE51.TRACK,DISP=MOD
//FFSEXCP DD DSN=RPOPE.TE51.EXCPT,DISP=MOD,DCB=BUFNO=20
//EDIPAGE DD DSN=&&EDIPAGE,DISP=(NEW,DELETE),
// DCB=(RECFM=V,BLKSIZE=32760),
// UNIT=SYSDA,SPACE=(CYL,(20,300))
//EDIWORK DD DSN=&&EDIWORK,DISP=(NEW,DELETE),
// DCB=(RECFM=V,BLKSIZE=32760),
// UNIT=SYSDA,SPACE=(CYL,(20,300))
//EDITTRC DD SYSOUT=* DT TRACE
//EDITRACE DD DSN=RPOPE.TE51.DITRACE,DISP=SHR
//XMLWORK DD DSN=RPOPE.TE62.XMLWORK,DISP=OLD
//XMLERR DD SYSOUT=*
//XMLTRC DD SYSOUT=*
//XMLEXCP DD DSN=RPOPE.TE62.XMLEXCP,DISP=OLD
//XMLDICT DD DSN=RPOPE.TE62.XMLDICT,DISP=SHR XML PP PDS
//XMLDTDS DD DSN=RPOPE.TE62.XMLDTDS,DISP=SHR XML DTD PDS
//ADFFILE DD DSN=RPOPE.P8010717.APPLIN,DISP=SHR P8010717
//QDATA DD DSN=RPOPE.TE51.QDATA,DISP=MOD,DCB=BUFNO=20
//SYSIN DD *
PERFORM TRANSFORM WHERE
DICTIONARY(CA_DMV_14970) DOCUMENT(CA_DMV_14970DF)
SYNTAX(D) INFILE(ADFFILE) OUTFILE(QDATA)
PAGETHRESHOLD(1000) PAGE(Y)
TRACELEVEL(C1)
/*
```

z/OS batch execution is accomplished by executing the WDI Utility in a Job Step. Multiple PERFORM commands can be processed in a single step execution. Customers normally surround the WDI step with other actions that process the input data files and output data.

Section

Monitoring



Monitoring

Statistics Capture

Management Reporting

records usage by TP as translation occurs

Document Store Service

records data about transactions

Statistical Reporting

Optional Records

Transaction Data Extracts

provides data record with translation information

Trading Partner Capability

provides data record with Trading Partner usage info

Network Activity Analysis

provides data record with Network usage info



WDI provides monitoring capabilities by capturing statistics. The information and statistics may be extracted and or used to create reports.

Client Operational View

Two type of operation data can be monitored in WDI - Event Log, normally error messages, and Document Store data - data used in transformations.

The screenshot displays the WDI33Server (Event Log) - Query: Find window. The main window contains a table with the following columns: Application ID, Date, Time, Associated Entry ID, User ID, Job ID, Format ID, and Message. A dialog box titled 'Specify Selection Criteria' is open over the table, allowing users to customize the query results. The dialog includes fields for Query Name (Find), Query Description (Find Event Log Entries), Object Type (Event Log), and filters for Application ID Like, User ID Like, Date Like (CCYYMMDD), and Time Like (HHMMSS). Buttons for OK, Cancel, and Reset are also present.

The Event Log Query allows the user to customize the result of the display. Detail of each entry can be expanded by double-click.

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There are two types of operation data that can be monitored. The WDI Event log which contains error messages and the Document Store data which contains an audit trail of translation activity. To view the event log using WDI Client, select View then Event Log. A window to identify filtering values or selection criteria is displayed.

Client Operational View

Specify Selection Criteria

Query Name: Find Document Store data - data used in transformations

Query Description: Find Data Format Documents

Object Type: Data Format Document

Document Name Equal To

Source or Target Equal To

Application Control Field 1 Equal To

Application Control Field 2 Equal To

Application Control Field 3 Equal To

The Document Store Log Query allows the user to customize the result of the display. Detail of each entry can be expanded by double-clicking.

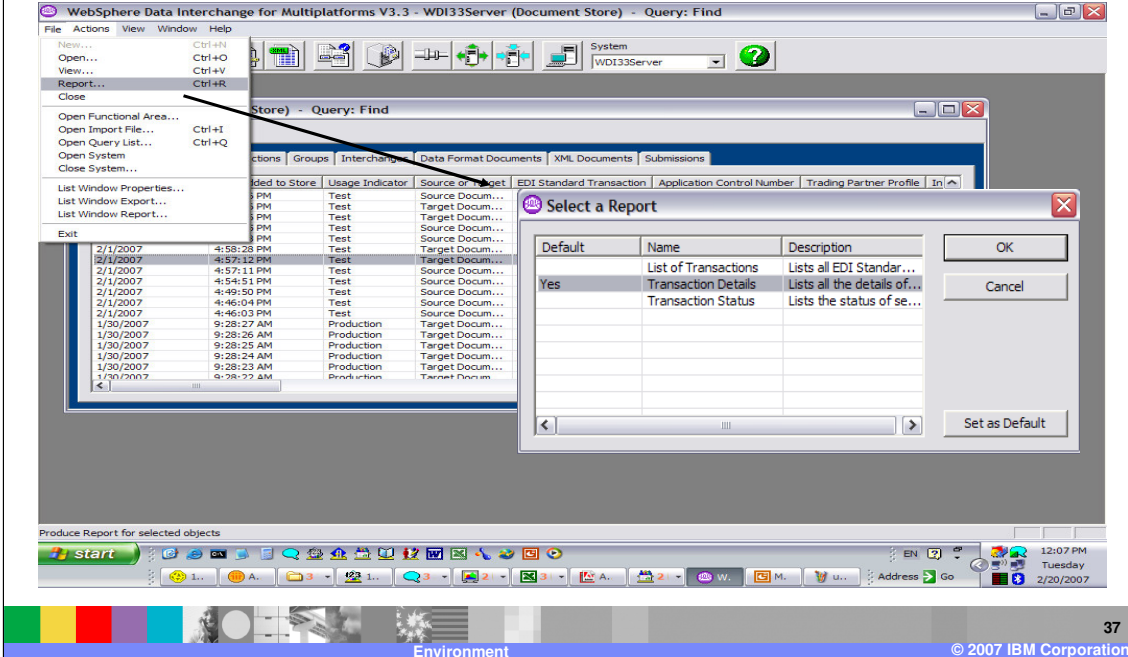
WDI33Server (Document Store) - Query: Find

Transactions | Enveloped Transactions | Groups | Interchanges | **Data Format Documents** | XML Documents | Submissions

Date Added to Store	Time Added to Store	Usage Indicator	Source or Target	EDI Standard Transaction	Application Control Number	Trading Partner Profile	In
2/1/2007	5:03:06 PM	Test	Source Docum...	850		D53TSA2	
2/1/2007	5:03:06 PM	Test	Target Docum...	997		D53TSA2	
2/1/2007	5:00:36 PM	Test	Target Docum...	997		D53TSA2	
2/1/2007	5:00:35 PM	Test	Source Docum...	850		D53TSA2	
2/1/2007	4:58:28 PM	Test	Source Docum...	850		D53TSA2	
2/1/2007	4:58:28 PM	Test	Target Docum...	997		D53TSA2	
2/1/2007	4:57:12 PM	Test	Target Docum...	997		D53TSA2	

The Document Store Log Query allows you to customize the result of the display. Detail of each entry can be expanded via double-click.

Client Reporting



There are a predefined set of Reports for WDI Objects.

Client Reporting

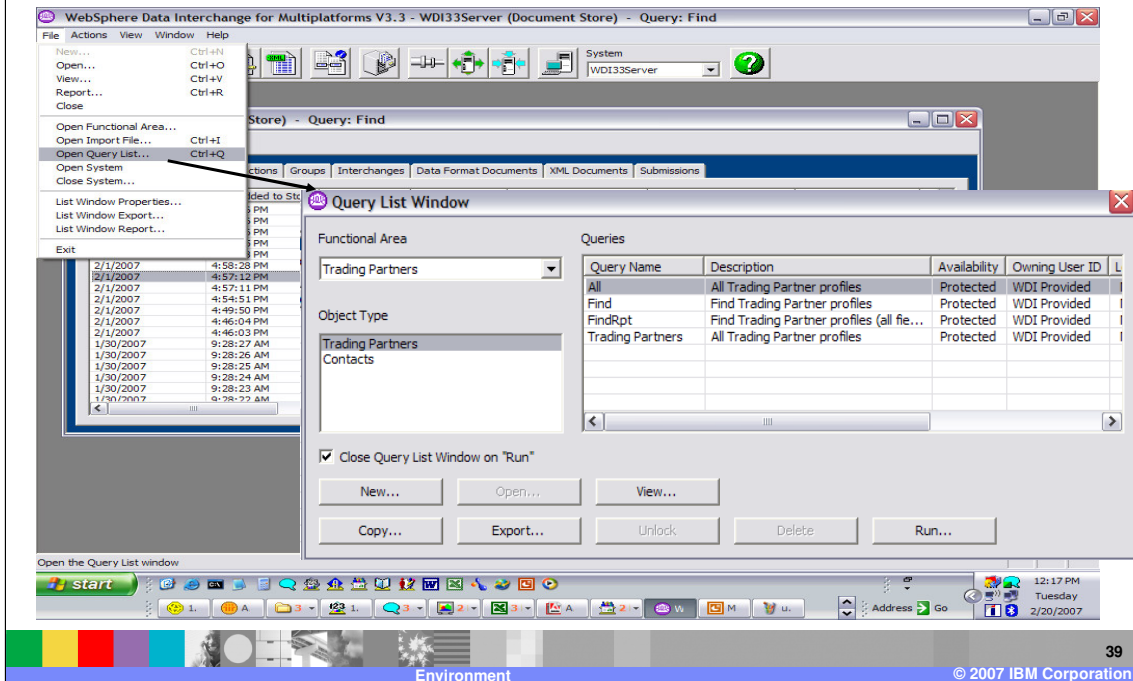
The screenshot shows a web browser window titled "Transaction Status - Microsoft Internet Explorer". The address bar shows the path: C:\Documents and Settings\Administrator\Local Settings\Temp\wdclient\wdi3FBA.tmp\prpt.html. The main content area displays a "Transaction Status" report with the following details:

Transaction Handle:	2007-02-01-21.57.10.736389	Store Status:	Unknown
Trading Partner Profile:	D53TSA2	Translation Status:	Acceptable
Application Control Number:		Transaction Status:	Enveloped - (30)

The browser's taskbar at the bottom shows the system tray with the date and time: Tuesday, 2/20/2007, 12:15 PM. The page footer contains the text "Environment" and "© 2007 IBM Corporation 38".

This is a Transaction Status Report.

Client Reporting



Queries are used to customize the way the WDI Object lists are presented.

Reporting

Client and Document Store (DS)

WebSphere Data Interchange Client provides the ability to view the document store, which is created and maintained by WebSphere Data Interchange server.

Application defaults	Mailbox profile detail
Code list detail	Map variable detail
Constant detail	MQ Series queue detail
Data element detail	Network commands detail
Data format detail	Network security detail
Data format dictionary detail	Pending Functional Acknowledgements (DS)
Data format record detail	Services profile detail
Data format structure detail	Trading partner detail
EDI standard detail	Transaction Status Summary (DS)
EDI standard segment detail	Transaction detail (DS)
EDI translation detail (DS)	Translation table detail
Envelope detail (DS)	User exit detail
Interchange detail (DS)	User interface log report
Interchange status summary (DS)	XML dictionary
Interchange list (DS)	XML DTD detail
List of transactions in Store (DS)	

Document Store (reporting and audit facility) is included with WDI. Reports may be accessed using WDI Client when configured as Client/Server.

Administration

Export / Import

Provides a means of extracting metadata from WDI

EDI Standards,
XML DTDs
Data Formats,
Maps,
Map Rules,
Trading Partner definitions,
Profile specifications

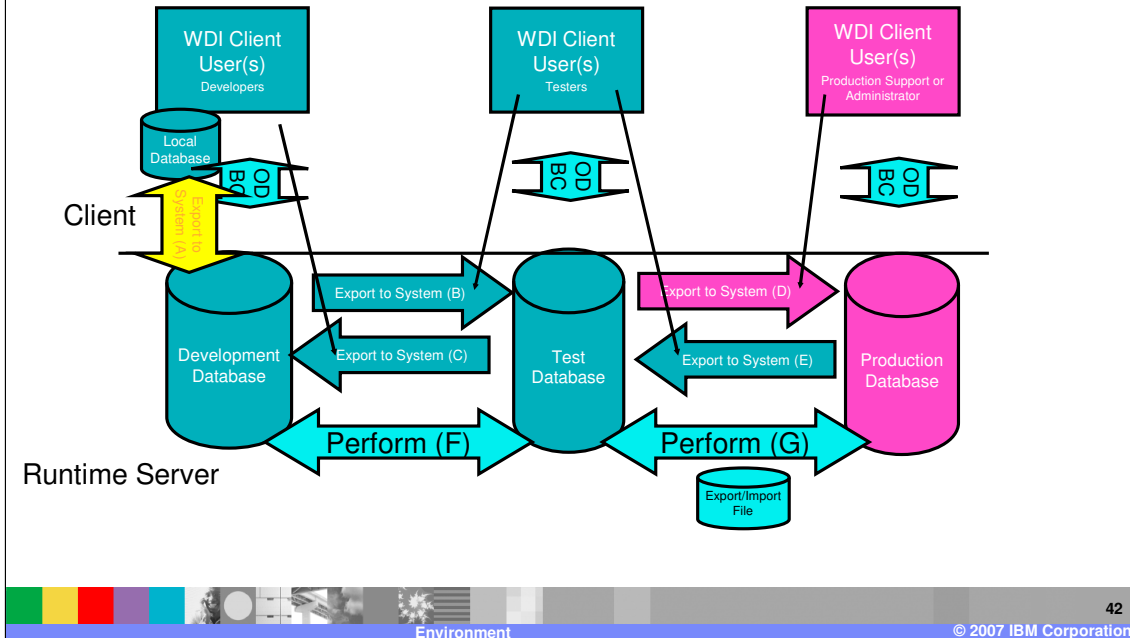
Purge of Operational Data

REMOVE TRANSACTIONS	document store
REMOVE LOG ENTRIES	event log
REMOVE STATISTICS	management reporting



Administrative functions to move your metadata definitions and customized processing options are provided using export and import. Operation data administration can be performed using the WDI Utility command interface.

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.

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