



IBM Software Group

# ***IBM WebSphere® Data Interchange V3.3***

## ***Server Commands***



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This presentation will review the Client Server Commands and remote job submission.

## Agenda

- Remote Job submission
- Service Profile
- Server Commands
- Document Store



The presentation will review the Client implementation in the areas of service profiles, server commands, and document store.

## Job Submission

- 3 Areas for Job Submission
  - ▶ Service Profiles
  - ▶ Server Commands
  - ▶ Document Store



There are three functional areas in the client from which remote host job submission has been implemented, Service Profiles, Server Commands, and Document Store.

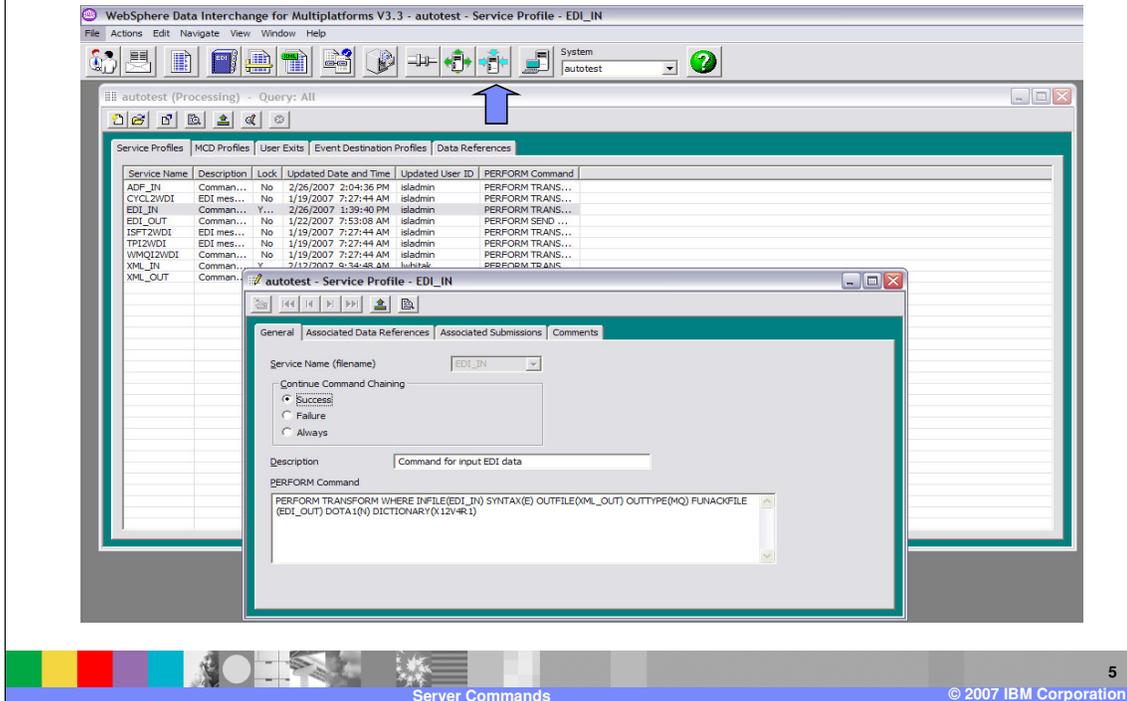
## Service Profile

- Service Profile
  - ▶ Associated Data References
  - ▶ Associated Submissions



Service Profiles include two tabs, Associated Data References and Associated Submissions.

# Service Profile



Service profiles are located in the Processing functional area. The Perform Command edit field allows any Perform Command to be entered and saved. There is an action, 'Submit', as well as a 'Submit' button on the toolbar, that can be used to perform the job request.

# Service Profile

File Name	Description	Application Defaults Profile	Physical File Reference	Maximum Logical Record Length	Initial Disposition	Exit Dis
EDIPAGE	page file		/sandrbox	0	New	Delete
EXCFILE			SDB	0	New	Catalo
OUTFILE			SDB	0	New	Catalo

The Associated Data References tab lists the logical-to-physical file relationships used in the Service Profile.

# Service Profile

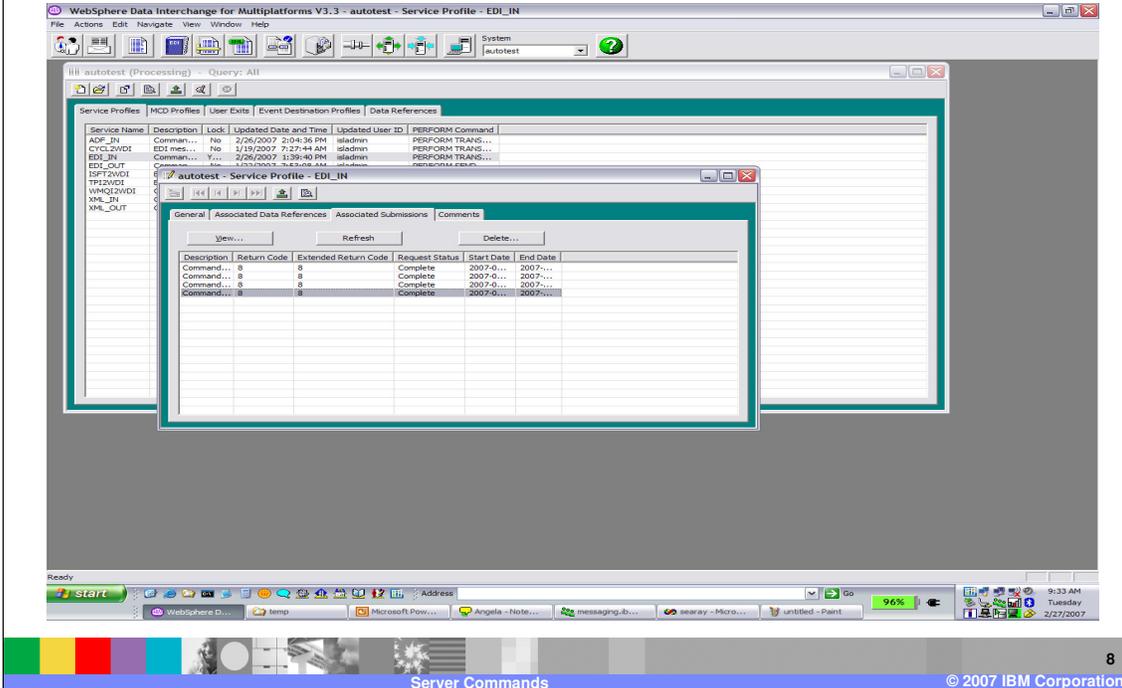
The screenshot displays the IBM WebSphere Data Interchange for Multipplatforms V3.3 interface. The main window shows a list of service profiles with columns for Service Name, Description, Lock, Updated Date and Time, Updated User ID, and PERFORM Command. A dialog box titled "autotest - Data Reference Profile - EDL\_IN EDIPAGE" is open, showing the configuration for a specific service profile. The dialog has tabs for "General" and "Comments". The "General" tab contains the following fields:

- File Name: EDIPAGE
- Description: Sage File
- Physical File: Jsaandbox
- Service Profile: EDL\_IN
- Application Defaults Profile: (empty)
- Maximum Record Length: 0
- File Disposition:
  - Initial: New
  - Exit: Delete
  - Error: Delete

The bottom of the screenshot shows the Windows taskbar with the Start button, several open applications, and the system tray displaying the time as 9:31 AM on Tuesday, 2/27/2007. The page number "7" and the copyright notice "© 2007 IBM Corporation" are visible in the bottom right corner.

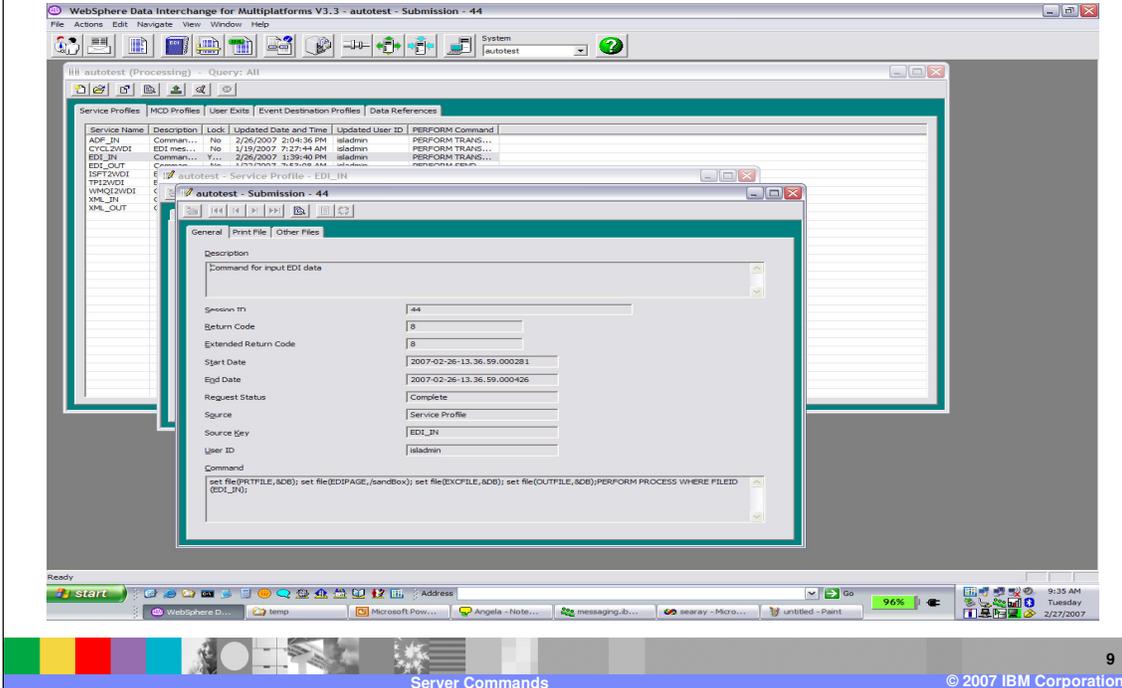
The File Name is the logical short name used in PERFORM commands. The Physical File may be a file system path, a directory or a fully qualified data set name.

# Service Profile



The Associated Submissions tab lists submission requests by the particular Service Profile. You can View the Submissions and delete them. The Refresh button will update the list to include any new submission requests.

# Service Profile



The General tab displays information pertaining to the submission request, including the Perform Command and the 'set files' that are generated by the Associated Data References.

# Service Profile

The screenshot displays the 'WebSphere Data Interchange for Multiplatforms V3.3.3 - autotest - Submission - 44' application. It features a menu bar (File, Actions, Edit, Navigate, View, Window, Help) and a toolbar. A central window titled 'autotest (Processing) - Query: All' contains a table of service profiles and a detailed audit trail report.

Service Name	Description	Lock	Updated Date and Time	Updated User ID	PERFORM Command
ADP_IN	Comma...	No	2/26/2007 2:04:36 PM	sladmin	PERFORM TRANS...
CYCL2WVDI	EDI mes...	No	1/19/2007 7:27:44 AM	sladmin	PERFORM TRANS...
EDI_IN	Comma...	Yes	2/26/2007 1:39:46 PM	sladmin	PERFORM TRANS...
EDI_OUT	Comma...	No	2/26/2007 3:57:08 AM	sladmin	PERFORM TRANS...
ISFTWVDI					
TP12WVDI					
WING2WVDI					
XML_IN					
XML_OUT					

The audit trail report below the table shows the following details:

```

1Audit Trail Report -DataInterchange Utility- Date: 07/02/06 Time: 13:36:59 Page: 00001
FF0588 Command: PERFORM PROCESS WHERE FILEID(EDI_IN)
FF0588 Command: PERFORM TRANSFORM WHERE INFILE(EDI_IN) SYNTAX(B) OUTTYPE(MQ) FUNACKFILE(EDI_OUT) DOTA(
DICTIONARY(12V4R1)
Message: FF0611 Severity: 08
There was an error opening file EDI_IN. The QSAM Handler return code was 0008 and extended return code was 0028.
Message: FF0204 Severity: 08
An error occurred preparing the input file for transformation. Refer to previously logged messages for informato
regarding the error. Processing skipped to the next WHERE clause of the PERFORM TRANSFORM command, if one was
specified.
FF0584 The PERFORM TRANSFORM command completed with a severity code of 08. See associated messages to determine the acc
of the transformation. Number of messages processed: 0.
    
```

The Print File generated by the Perform Command can be displayed.

## Section

# *Server Commands*

# Server Commands

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window is titled "autotest (Server Commands) - Query: All". It features a table of Server Command Dictionaries and a detailed view of a specific dictionary.

Dictionary Name	Description	Lock	Updated User	ID	Updated Date and Time	Comments
DATAEXTRACTS	for data...	Yes	isladmin		2/27/2007 9:54:39 AM	
GLOBALIZED		No	isladmin		2/27/2007 9:54:39 AM	
PERFORMTRA...	PERFOR...	No	isladmin		2/27/2007 9:54:39 AM	
PRINTREPOR...		No	isladmin		2/27/2007 9:54:39 AM	

The detailed view shows the following information:

- Dictionary Name: DATAEXTRACTS
- Description: for data extract commands

The interface also shows a taskbar with various applications and a system tray with the date and time (10:10 AM Tuesday 2/27/2007).

Perform Commands can be created, saved, and executed thru the functional area, Server Commands. Server Command Dictionaries can be created to hold related Server Commands.

# Server Commands

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3 interface. The main window is titled "autotest (Server Commands) - Query: All". It shows a list of Server Command Dictionaries with columns for Dictionary Name, Command Name, Description, Command, Lock, Updated User, ID, Updated Date and Time, and Comments. The selected dictionary is "DATAEXTRACTS" with the command name "TRANSACTIONACTIVITY D".

The detailed view for the selected command shows the following information:

- Command Statement Name: TRANSACTIONACTIVITY D
- Dictionary Name: DATAEXTRACTS
- Description: PERFORM TRANSACTION ACTIVITY D
- Command: PERFORM TRANSACTION ACTIVITY DATA EXTRACT;

The interface also shows a taskbar at the bottom with various application icons and system information, including the date and time (10:12 AM Tuesday 2/27/2007).

Server Commands are Perform Commands entered and saved in Server Command Dictionaries.

# Server Commands

The screenshot shows the 'Server Commands' window in the IBM WebSphere Data Interchange for Multiplatforms V3.3 interface. The window displays a list of server commands and their associated data references. A dialog box titled 'Add Data Reference' is open, showing a table with columns 'File Name' and 'Physical File Reference'. The table contains the following entries:

File Name	Physical File Reference
EDDELADP	ccbv
EDDELSTO	sdb
QRYFILE	sdb
RPTFILE	sdb

The 'QRYFILE' entry is highlighted, indicating it is the current selection. The dialog box also includes buttons for 'OK', 'Insert', and 'Cancel'. The background window shows a list of server commands with columns for Dictionary Name, Command Name, Description, Command, Lock, Updated User, ID, Updated Date and Time, and Comments. The 'QRYFILE' command is selected, and its details are shown in the 'Associated Data References' tab.

Server Commands can have Data References, logical-to-physical file relationships used in the Perform Command, associated with them. Note that in this Server Command a Data Reference has been created associating QRYFILE with '&DB'. This is a technique that will write the QRYFILE to a database table that the client can then display to the user if the submission has been successful. This will be shown in a later slide.

# Server Commands

The screenshot displays the WebSphere Data Interchange for Multiplatforms V3.3.3 interface. The main window shows a list of server command submissions under the 'Submissions' tab. The list includes columns for Session ID, Description, Request Status, Start Date, End Date, Return Code, Extended Return Code, User ID, Source, Source Key, and Command. A detailed view of a submission (ID 63) is shown in the foreground, displaying the following information:

Field	Value
Description	PERFORM TRANSACTION ACTIVITY D
Session ID	63
Return Code	0
Extended Return Code	0
Start Date	2007-02-27-10.05.13.000991
End Date	2007-02-27-10.05.14.000216
Request Status	Complete
Source	Server Command
Source Key	
User ID	isladmin
Command	set file(PRTPFILE, SDB); set file(EDIEIADP, cdbv); set file(EDIEISTD, std); set file(QRYFILE, ADB); set file(RPTFILE, SDB); PERFORM TRANSACTION ACTIVITY DATA EXTRACT;

The interface also shows a taskbar at the bottom with various application icons and system information, including the date and time (10:18 AM Tuesday 2/27/2007).

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Server Commands

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The Submissions tab will list any Remote Job Submission Requests from Server Profiles, Server Commands, or from Document Store. The individual submissions can be viewed, showing the job information, including the Perform Command. Any Associated Data Reference from the Server Command will create a 'set file'.

# Server Commands

The screenshot displays the 'Server Command' description window for 'TRANSACTIONDATAEXTRACT' and a 'Submissions' table. The table lists various server command submissions with their respective details.

Session ID	Description	Request Status	Start Date	End Date	Return Code	Extended Return Code	User ID	Source	Source Key	Command
1	Purge requested from Document Store.	Complete	2007-0...	2007-...	0	0	islad...	Doc...		set file...
2	Envelope and send requested from Document Store.	Complete	2007-0...	2007-...	8	964	islad...	Doc...		set file...
21	Purge requested from Document Store.	Complete	2007-0...	2007-...	0	0	islad...	Doc...		set file...
41	Command for input EDI data	Complete	2007-0...	2007-...	8	8	islad...	Ser...	EDI_IN	set file...
42	Command for input EDI data	Complete	2007-0...	2007-...	8	8	islad...	Ser...	EDI_IN	set file...
43	Command for input EDI data	Complete	2007-0...	2007-...	8	8	islad...	Ser...	EDI_IN	set file...
44	Command for input EDI data	Complete	2007-0...	2007-...	8	8	islad...	Ser...	EDI_IN	set file...
45	Command for input ADF data	Complete	2007-0...	2007-...	8	8	islad...	Ser...	ADF_IN	set file...
61	PERFORM TRANSACTION ACTIVITY D	Complete	2007-0...	2007-...	0	0	islad...	Ser...		set file...
62	PERFORM TRANSACTION ACTIVITY D	Complete	2007-0...	2007-...	0	0	islad...	Ser...		set file...
63	PERFORM TRANSACTION ACTIVITY D	Complete	2007-0...	2007-...	0	0	islad...	Ser...		set file...

The Server Command description field is an optional field for Server Commands. When used, the Server Command description is shown in the list of submissions, as a way for the user to locate and identify particular submissions.



## Section

# *Document Store*

## Document Store

- Tabs in Document Store
  - ▶ Transactions
  - ▶ Enveloped Transactions
  - ▶ Groups
  - ▶ Interchanges
  - ▶ Data Format Documents
  - ▶ XML Documents
  - ▶ Submissions



The Document Store functional area contains tab pages listing stored Transactions, Enveloped Transactions, Groups, Interchanges, Data Format Documents, XML Documents, and any Remote Job Submission Requests.

## Document Store

- 'Action' sub-menus based on current object
- 'Canned' Perform Statements associated with those 'Actions'



Within Document Store, the stored documents can be selected and Remote Job Submissions can be enacted from the 'Action' sub-menus. These sub-menus are tailored to the particular document list that is currently being displayed. These actions will generate particular Perform Commands for the user.



# Document Store

The screenshot displays the IBM WebSphere Data Interchange for Multiplatforms V3.3.3 interface. The main window shows a list of transactions under the 'Submissions' tab. The following table represents the data visible in the screenshot:

Session ID	Description	Request Status	Start Date	End Date	Return Code	Extended Return Code	User ID	Source	Source Key	Command
1	Purge requested from Document Store.	Complete	2007-01-23-08.22.05.000099	2007-01-23-08.22.05.000477	0	0	isladm...	Doc...		set file...
2	Envelope and Send requested from Document Store.	Complete	2007-01-23-08.22.05.000099	2007-01-23-08.22.05.000477	8	464	isladm...	Doc...		set file...
21	Purge requested from Document Store.	Complete	2007-01-23-08.22.05.000099	2007-01-23-08.22.05.000477	0	0	isladm...	Doc...		set file...
41	Command for input EDI data	Complete	2007-01-23-08.22.05.000099	2007-01-23-08.22.05.000477	8	8	isladm...	Ser...	EDI_IN	set file...

The 'autotest - Submission - 1' window is open, showing details for the selected transaction:

- Description: Purge requested from Document Store.
- Session ID: 1
- Return Code: 0
- Extended Return Code: 0
- Start Date: 2007-01-23-08.22.05.000099
- End Date: 2007-01-23-08.22.05.000477
- Request Status: Complete
- Source: Document Store
- Source Key:
- User ID: isladm...
- Command: set file(PRTPFILE,SD8);set file(THAND,SD8);PERFORM PURGE WHERE THANDF(THAND);

The system tray at the bottom shows the date and time as Tuesday, 2/27/2007, 10:37 AM, and the system is ready.

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Server Commands

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After selecting a transaction from the Document Store, and selecting the 'Purge' action, you can go to the Submissions tab to locate the submission that was generated by that action. The 'Purge' action generated a 'PERFORM PURGE WHERE THANDF(THAND)' command.

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