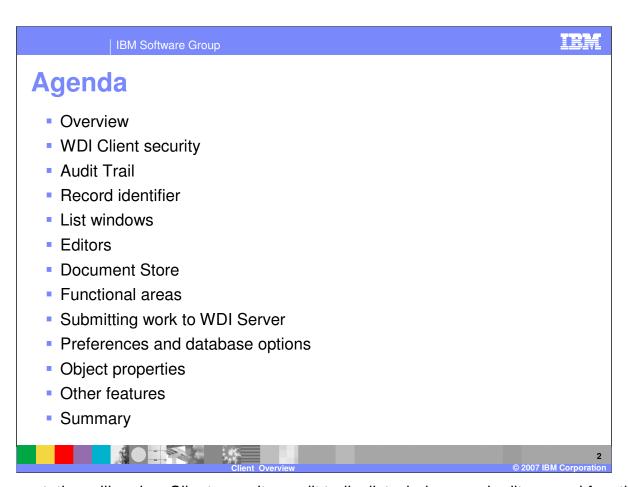


This presentation will give an overview for the WebSphere Data Interchange (WDI) Client.



The presentation will review Client security, audit trails, list windows and editors, and functional areas.

IBM Software Group

Overview

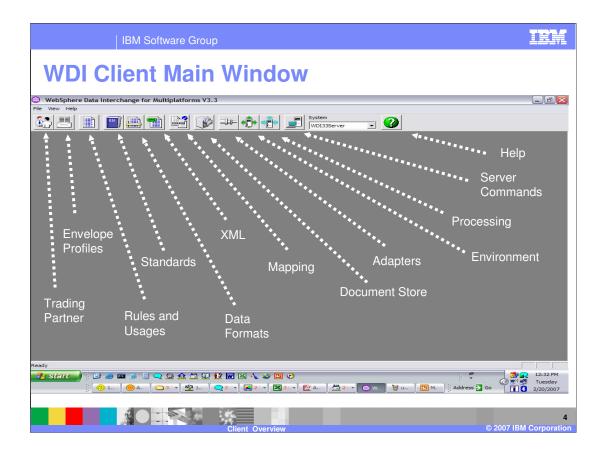
- Access and manage Administrative functions
- Navigation bar and menu
- Online Help
- Database System selection
- Microsoft Windows graphical environment



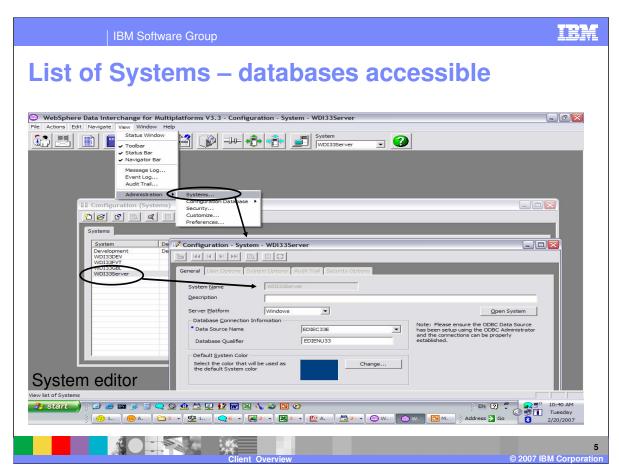
You use the WebSphere Data Interchange Client main application window to access and manage all functions that can be performed in the Client. It contains a navigation bar and a menu. The navigator bar consists of a series of buttons that open the functional areas of WebSphere Data Interchange Client. The help button opens the online help for WebSphere Data Interchange Client. You can also select the system you want to work with from the System drop-down menu on the Navigator bar.

WebSphere Data Interchange Client includes online, context-sensitive Help that permits you to display information about virtually any aspect of the program. In most cases, getting the help you need is as easy as clicking a Help button or pressing the F1 key. The Help system contains information about each WebSphere Data Interchange Client screen and field and explains how to use the operations presented to you. You also have access to the WebSphere Data Interchange Client glossary of terms, error messages, and WebSphere Data Interchange reference material.

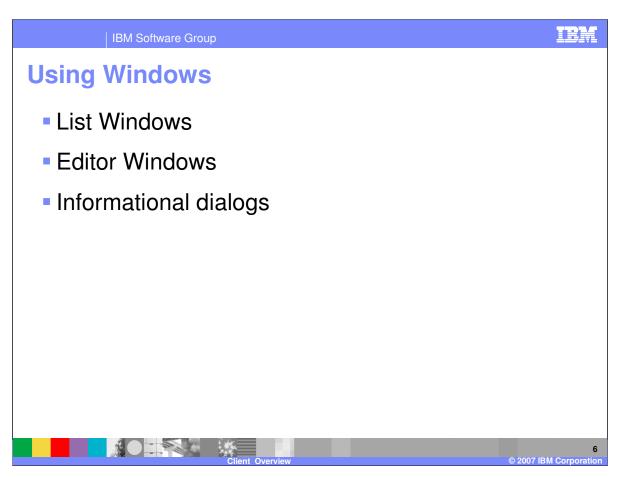
WebSphere Data Interchange Client is designed to make setup, maintenance, and management of WebSphere Data Interchange easier by using the Microsoft Windows graphical environment. Through the WebSphere Data Interchange Client interface you can create, update, and manage the WebSphere Data Interchange components.



This is the main window of WDI Client. This is a standard Windows screen configuration with the addition of the WDI navigation bar. Each of the buttons on the Menu Bar identify a Functional Area of WDI. The System dropdown identifies the database being accessed when a Functional Area button is clicked.



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.

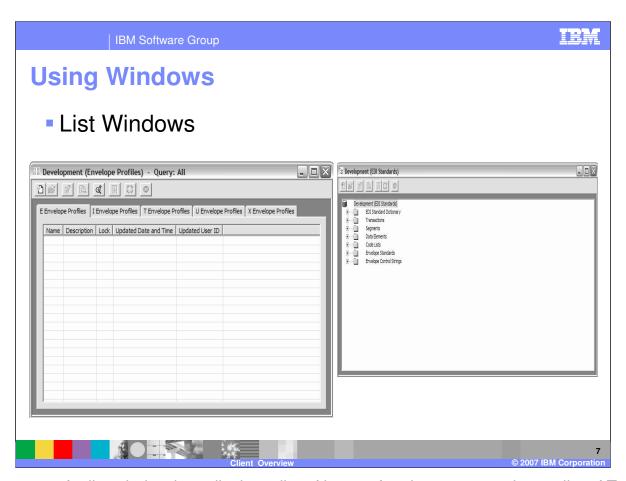


WebSphere Data Interchange Client displays information in three types of windows:

List windows, which display in either a multi-column or tree format.

Editor windows, which allow you to create or edit objects.

Informational dialogs, which may contain user prompts or warnings.



The purpose of a list window is to display a list of items of a given type, such as a list of Trading Partners. List windows permit you to choose items on which you want to perform such actions as editing, printing, deleting, and renaming. You can also view WebSphere Data Interchange data in a tree view, rather than in the tabbed list window.

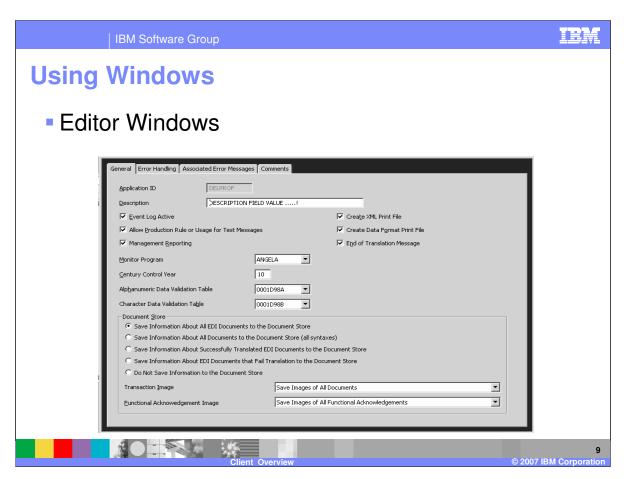
Tree view

- Selected objects can group into "folders"
- Also supports the right click popup menu

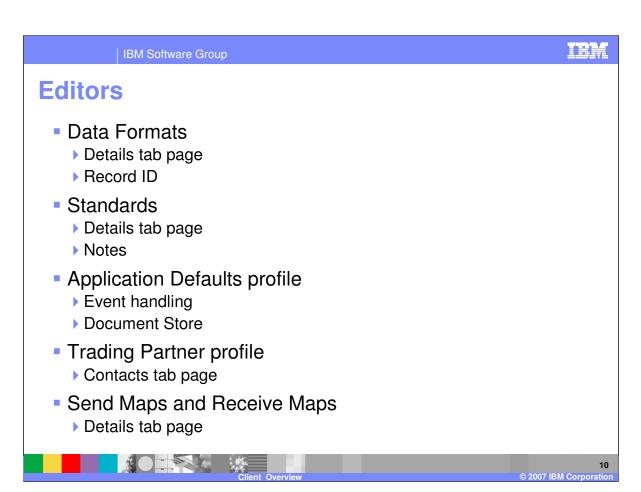


For international characters, the following features are available in the list windows:

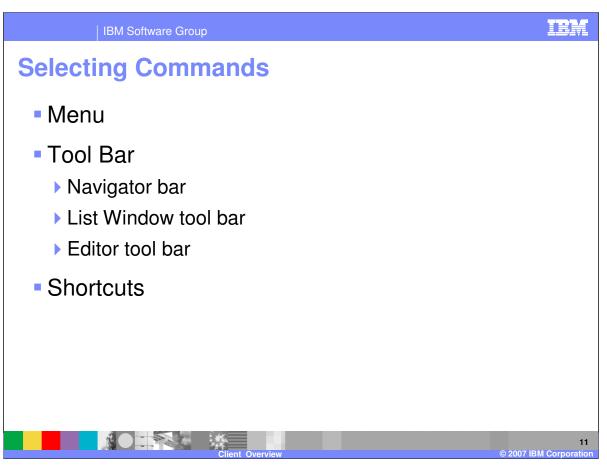
- •Right clicking on the list window will display a popup menu. The popup menu will contain actions that can be taken against objects selected in the list window, actions that can be taken against the object type, and actions that can be taken against the list window. Which actions are available depend on the object type, whether objects are selected, and security settings.
- •Rows in a list window can be sorted by clicking on the header of the column you wish to sort by. The sort alternates between ascending and descending.
- •Column can be reordered by dragging the column header to the desired position.
- •You can right click on a column header to display a popup menu that allows you to display and hide columns.
- •The contents of a list window can be exported. The export is in a delimited format and you can export all rows in the list window or just selected rows.
- •Most objects support a "folder" column. The "folder" can be used to group objects into logical groups. The groups can be used for searches in Queries and for sorting in a list window. The tree view version of the list window will group objects into folders when the folder is included in the Query.



Editors display when you open an object in a list window. They feature tabs that contain fields, lists, check boxes, and other Windows controls.



- The Data Format related editors contain.
 - •The Details tab page provides functions similar to the list window. Details are maintained using a dialog similar to the existing Code List Editor, Translation Table Editors, and Business IDs on the Trading Partner Profile Editor.
 - •The Data Format Editor displays information from the selected Record ID Information object. This is informational only.
 - •Options are provided on the Record Editor to indicate whether the Record will use the Record ID Information object specified in the Data Format, whether an alternate Record ID Information object will be used, or whether the fields making up the Record Identifier will be identified on the Details tab page. If a Record ID Information object is selected, information from the selected Record ID Information object will be displayed for informational purposes only.
- •The standards related editors contain.
 - •The Details tab page provides functions similar to the list window. Details are maintained using a dialog similar to the existing Code List Editor, Translation Table Editors, and Business IDs on the Trading Partner Profile Editor.
 - •The standard notes are directly maintained in the related parent editor. Notes appear on a separate tab page and are maintained similar to details. For instance, instead of have a Segment Editor and a Segment Notes Editor, the Segment Notes Editor is a tab page on the Segment Editor.
- •The Application Defaults Profile Editor includes support for the Document Store and WDI Server's event handling.
- •The Trading Partner Profile Editor contains a Contacts tab page.
- •The Send Map Editor and Receive Map Editor contains a Details tab page which includes support for standard functions, including "find" and popup menus.



WebSphere Data Interchange Client offers three different methods of selecting commands. You can perform an action by selecting its command from a menu using the mouse or keyboard.

You can perform an action by clicking its button using the mouse.

You can perform an action using keyboard or mouse shortcuts.

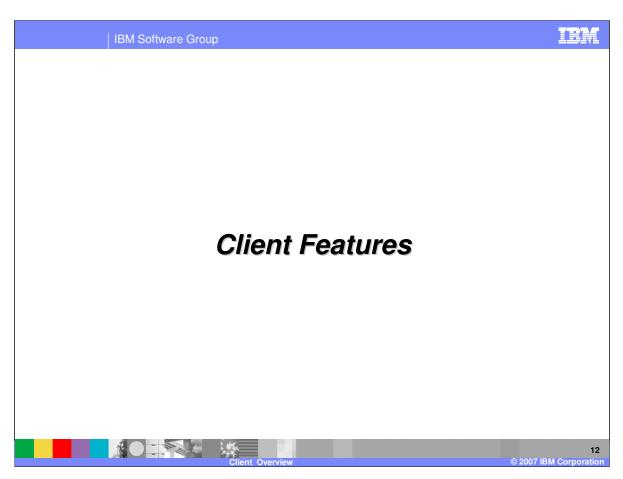
Menu options offer the most comprehensive method of performing common WebSphere Data Interchange functions. Using the menu options you can: open new and existing items; create a query or a report; import and export components; save, close, preview, and print items; navigate through lists of items; set viewing preferences; access help; and exit WebSphere Data Interchange Client.

You can use tool bar buttons as shortcuts to perform most of the frequently used WebSphere Data Interchange Client menu commands. The three WebSphere Data Interchange Client tool bars are Navigator bar, List Window tool bar, and Editor tool bar. the Navigator bar at the top of the WebSphere Data Interchange main screen, ensure it is checked in the View menu. Navigator bar buttons open WebSphere Data Interchange Client's functional areas. Each work area in WebSphere Data Interchange Client contains lists of items, which display in list windows. Each list window contains a tool bar. Each list window contains a list of components that you create and maintain using editors. Each editor contains a tool bar.

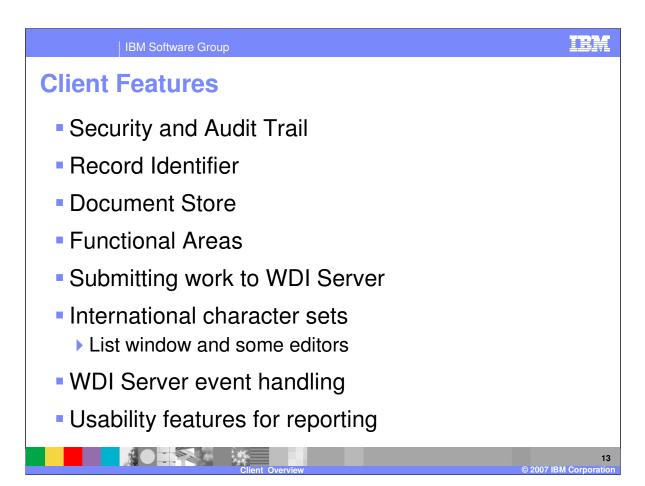
WebSphere Data Interchange Client permits you to select menu commands using standard Windows keyboard or mouse shortcuts. You can also use the keyboard to select items in list and *IBM Confidential* editors, as well as havigate through fields in editors and grids.

IBM Software Group

Page 11 of 14



Proceed to the next slide



- •The Security and Audit Trail features are optional. Security can be used to prevent access to certain object types or to specific objects within an object type.
- •Record identifiers in Data Formats provide greater flexibility in identifying records in a proprietary document.
- •The "Document Store" was previously known as the "Transaction Store". It provides all of the function formally provided by the WDI Transaction Store Facility, including functions that submit a document to the Server for processing. The Document Store also can include XML and Data Format documents involved in translation using Data Transformation Maps.
- •The Setup Functional Area profiles have been divided into multiple Functional Areas, called Envelopes, Adapters, Environment, and Processing,
- PERFORM commands can also be submitted to the WDI Server.
- •The WDI Client supports international character sets.
- •New Profiles add support for the WDI Server event handling features.
- •Reports are provided for each window shown. These are now in HTML format and can be manipulated by the local browser..

IRM

WDI Client Security

- Optional Role Based Access Control
 - Restricts what object types a user can view
 - Restricts what functions a user can perform
 - System specific
 - Supported in the Configuration database
- Use System Editor or Configuration database options to enable or disable
- Applies to all users of the System



WDI Client provides security. There are two independent components used to implement security on WDI Client. Neither of these components is used by the WDI Server.

- •The first component is called "role based access control". This optional component is used to restrict what objects types a user can access, and what functions the user can perform on an object type. "Role based access control" is System specific; meaning you can enable it on one System and disable it on another System. A user's access can be different on each System. "Role based access control" is also supported on the Configuration database when the Configuration database is shared by users.
- •The System Editor and the Configuration database options are used to enable and disable "role based access control" and specify options related to "role based access control".
- •Role based access control options apply to all users of the System or Configuration database.

IBM Software Group

WDI Client Security (continued)

- Optional Access Group support
 - Restricts which specific objects a user can see in list windows
 - System specific
 - Not available in the Configuration database
- Use System Editor to enable or disable
- Applies to all users of the System



- •The second component of security is "Access Groups". "Access Groups" are used to restrict which specific objects a user can see in a list window. For instance, you may want to allow to see all Trading Partner profiles related to Asia business, but no others. "Access Groups" are System specific; meaning you can enable it on one system and disable it on another system. A user's access can be different on each System. "Access Groups" are not supported on the Configuration database.
- •The System Editor is used to enable and disable Access Groups and specify options related to "Access Groups".
- •Access Groups options apply to all users of the System.

TEM

WDI Client Security (continued)

- Object types to support security
 - Roles
 - Access Groups
 - User ID Definitions
 - &WDIUSER
- Located in Security Functional Area
 - View->Administration->Security
 - View->Administration->Configuration Database->Security
- Assign objects to an Access Group using Object Properties



- •There are three object types to support security. They are Roles, Access Groups, and User ID Definitions.
 - •A Role defines a specific job responsibility, such as "mapper", "trading partner administrator", or "administrator". Each Role identifies a set of object types that can be accessed by users assigned to the Role. A Role also indicates what type of actions a user can perform against an object type. For instance, a Role may specify that users can update existing Trading Partner profiles but cannot create new Trading Partner profiles. Roles can be imbedded within other Roles. When this occurs, the access privileges are merged.
 - •An Access Group simply defines the name of an Access Group.
 - •A User ID Definition identifies a user on a System or the Configuration database. Any number of Access Groups and Roles can be assigned to the user ID Definition. In addition, specific access privileges can be assigned to the user. Specific access privileges override those specified in Roles.
 - •Any user that does not have a User ID Definition will be assigned the access privileges granted to the default &WDIUSER User ID Definition. If &WDIUSER does not exist then the unknown user will have no access privileges.
- •The security related objects are located in the Security Functional Area.
 - •Access the Security Functional Area by selecting Administration and then Security from the View menu. This displays the Security Functional Area for the System selected on the navigator bar. The Security Functional Area for a System can also be displayed by selecting Open Functional Area from the File menu.
 - •Access the Security Functional Area for the Configuration database by selecting Administration, Configuration Database, and then Security from the View menu.
- •Objects are assigned to a single Access Group by selecting the object in a list window and then selecting Object Properties from the Actions menu. An Access Group can also be assigned to objects during import.

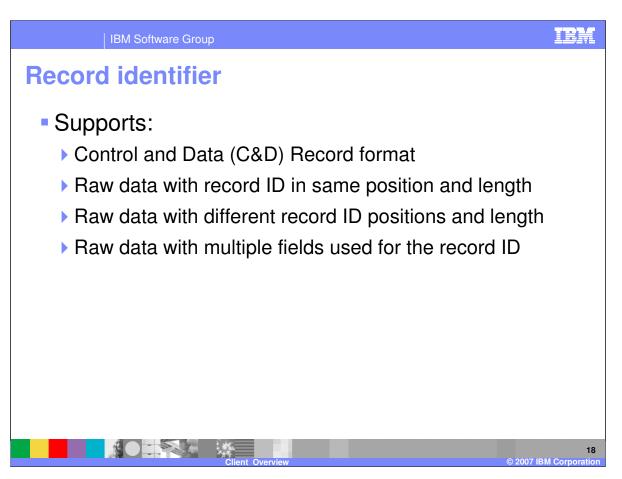
IRM

Audit Trail

- Optional Audit Trail support
 - Documents change events
 - Does not document the changes themselves
 - System specific
 - Supported in the Configuration database
- Use System Editor or Configuration database options to enable or disable
- Applies to all users of the System
- Located in Audit Trail Functional Area
 - View->Audit Trail
 - View->Administration->Configuration Database->Audit Trail



- •WDI Client supports an optional Audit Trail. The Audit Trail documents change events on a System or on the Configuration database. It does not document the changes themselves. The Audit Trail is System specific; meaning you can enable it on one System and disable it on another System.
- •The System Editor and the Configuration database options are used to enable and disable the Audit Trail and specify options related to the Audit Trail.
- •Audit Trail options apply to all users of the System or Configuration database.
- •The Audit Trail for a System can be viewed by selecting Audit Trail from the View menu. This displays the Audit Trail for the System selected on the navigator bar. The Audit Trail for a System can also be displayed by selecting Open Functional Area from the File menu.
- •Access the Audit Trail for the Configuration database by selecting Administration, Configuration Database, and then Audit Trail from the View menu.



WDI Client allows you to have record identifiers in different positions within a record and with different field lengths. A record identifier can also be specified using multiple fields.

IR.

Document Store

- Formally called the "Transaction Store"
- Includes the existing "Transaction Store" objects
- Includes XML and Data Format documents
- Existing WDI Server functions...
 - Moved to WDI Client
 - Includes list window to view results
- "Document Store" disabled on default System

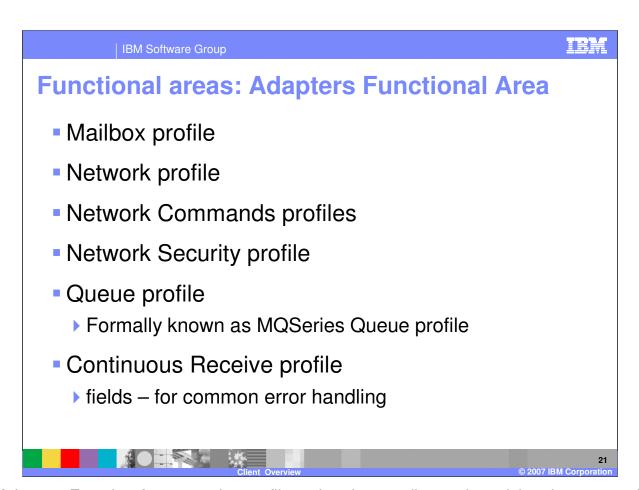


The "Document Store" includes the existing "Transaction Store" objects plus XML and Data Format documents involved in translation using Data Transformation Maps. List windows are provided in the Document Store Functional Area to view XML documents and Data Format documents.

Previously existing WDI Transaction Store Utility functions have been moved to the WDI Client Document Store. This means you can submit documents in the Document Store to the WDI Server for processing. A list window to view the status and results of submissions is included in the Document Store Functional Area.

The Document Store Functional Area is disabled on the default System provided with WDI Client since the WDI Server cannot place document information into that System.

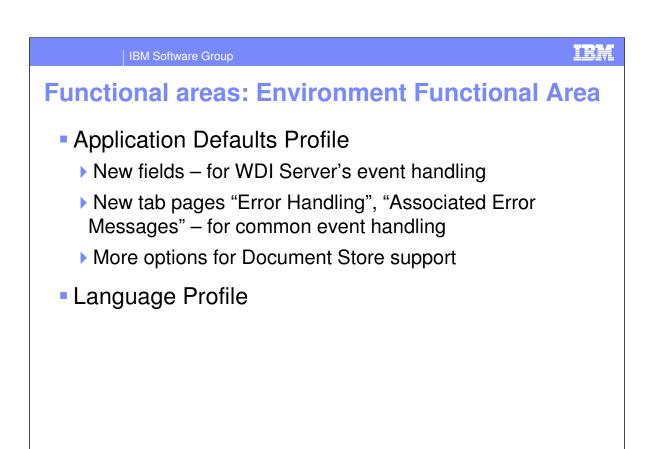
- •The Setup Functional Area has been divided into the Adapters Functional Area, Environment Functional Area, Processing Functional Area, and Envelope Profiles Functional Area.
- •There are also functional areas for Server Commands and the Document Store.
- •Code Lists are available in the Mapping Functional Area and the EDI Standards Functional Area.
- •The CICS Performance profile and the Activity Log profile used in prior WDI Client releases have been deleted in WDI 3.3.
- •WDI Client also includes the Event Destination profile and the Data Reference profile.



The Adapters Function Area contains profiles related to sending and receiving documents. It includes the existing Mailbox profile, Network profile, Network Commands profile, Network Security profile, Queue profile, and Continuous Receive profile.

The Queue profile was previously known as the MQSeries Queue profile.

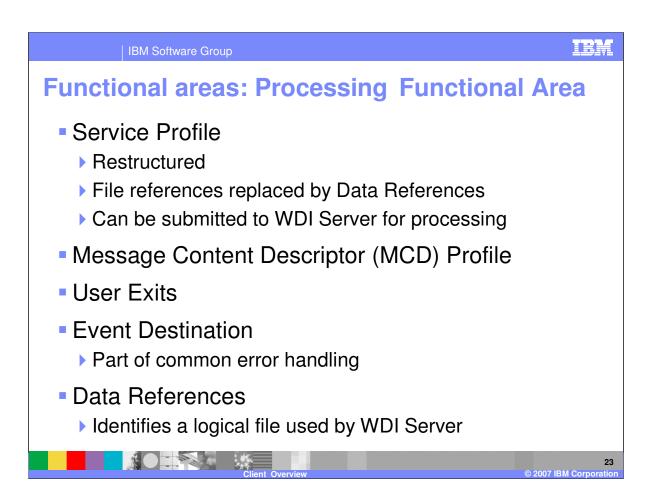
The Continuous Receive profile provides support for the WDI Server's common error handling.



The Environment Functional Area contains profiles related to the processing environment established for the WDI Server. The Application Defaults profile and Language profile are contained in this area.

More Document Store related options appear on the General tab page of the Application Defaults Profile Editor. There are also new fields related to event handling on WDI Server. The Application Defaults Profile Editor also contains two tab pages; "Error Handling" and "Associated Error Messages". The tab pages support event handling on the WDI Server.

22

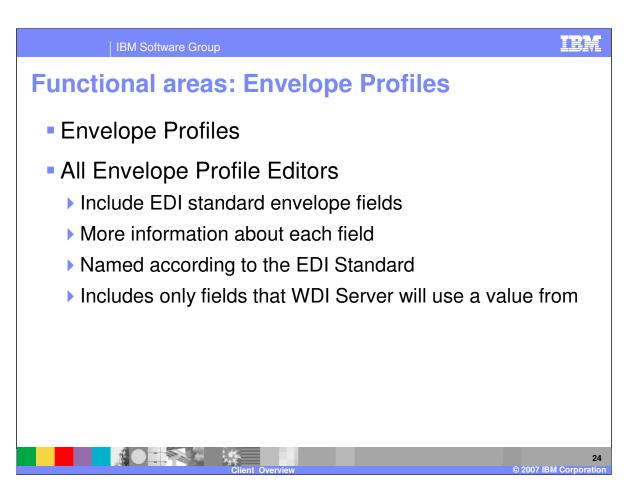


The Processing Functional Area contains profiles that are used during WDI Server processing. These include the existing Service profile, Message Content Descriptor MCD profile, and User Exit profile and the new Event Destination profile and Data Reference profile.

The Service profile has been restructured to remove the limitations on number of files. File references have been replaced by Data References. Each Data Reference identifies a file used by WDI Server when processing the Service profile. Data References are listed and maintained on the "Associated Data References" tab page. Service profiles can be submitted to the WDI Server to execute the PERFORM command contained within the Service profile. Results from each submission can be viewed on the new "Associated Submissions" tab page.

The Event Destination profile defines "events" that will be recognized by the WDI Server. The profile also indicates how the event will be handled by the WDI Server. This profile can be used to cause the print file to be routed to another destination when a specific event occurs. The print file can be in human readable or machine readable format.

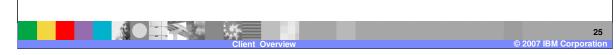
WebSphere Data Interchange uses Data Reference profiles to identify and define files used in a PERFORM command. Data Reference profiles define the logical-to-physical file relationships, and include common files, input files, output files, network files, and export and import files. Data Reference profiles are only used to supply file information that is not otherwise provided.



Envelope profiles are located in the Envelope Profiles Functional Area. The editors only include the data elements that the use can provide a value for.

Functional areas: Commands Functional Area

- Command Dictionary
 - Used to group Commands
- Server Command objects
 - Contains a PERFORM command
- Submissions
 - Used to view results from submitted Command objects, Service Profiles, Document Store items



The Commands Functional Area is used to maintain objects used to submit PERFORM commands to the WDI Server.

- •The Commands Dictionary object is similar to other "dictionaries" in WDI Client. It is used to group Command objects in any way you desire.
- •Command Objects contain a WDI Server PERFORM command. Command objects can be submitted to the WDI Server for processing.
- •Use the Submissions List window to view the status and results of commands that have been submitted to the WDI Server. The Submissions List window can also show the results of Service profile submissions and Document Store submissions. The Submissions List window is not displayed for a System supplied by WDI Client since the WDI Server does not interact with that System.

TRM

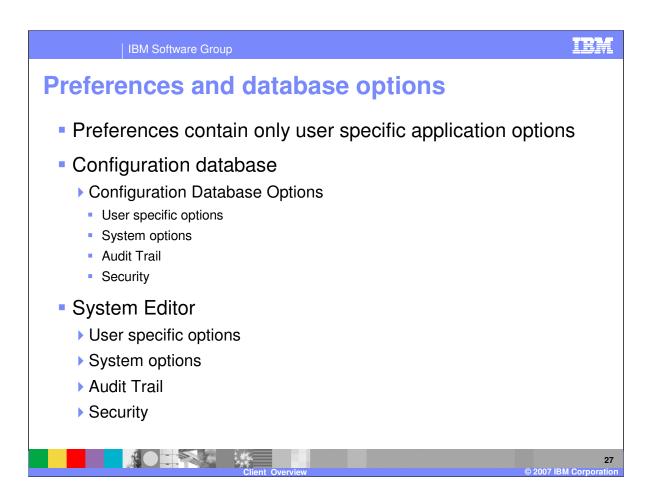
Submitting work to WDI Server

- The WDI Client can submit work to WDI Server
 - Document Store
 - Service Profiles
 - Server Command objects
- Disabled when using any WDI Client supplied database
- Viewing Results
 - List window in the Commands Functional Area
 - List window in the Document Store Functional Area
 - In the Service Profile Editor
 - ▶ Will not see the list windows in any WDI Client supplied database



Work can be submitted to the WDI Server. This includes submitting documents from the Document Store to the WDI Server for processing and also submitting PERFORM commands. PERFORM commands can be submitted to the WDI Server using Service profiles or Command objects. You cannot submit work when the System is the default System provided by WDI Client. This is because WDI Server does not interact with the default System.

Results from the various submissions can be viewed in a list window in the Commands Functional Area or in the Document Store Functional Area. PERFORM commands submitted using a Service Profile can be viewed on a tab page in the Service Profile Editor.



- •Preferences used to contain global options related to Systems, options specific to the current System, and user specific application options. User specific application options are located in Preferences. All other options are available using the System Editor. The user can set user specific System options, but should be done in the System Editor.
- •The Configuration database contains a submenu called "Configuration Database" within the View menu. It is used to access the Configuration database's Audit Trail and Security Functional Area. The submenu is also used to display the new Configuration database options. The options are used to enable or disable security and the Audit Trail on the Configuration database, as well as set other options related to the Configuration database.
- •The System Editor includes all System options, as well as user specific options pertaining to the System. The options are used to enable or disable security and the Audit Trail on the System.

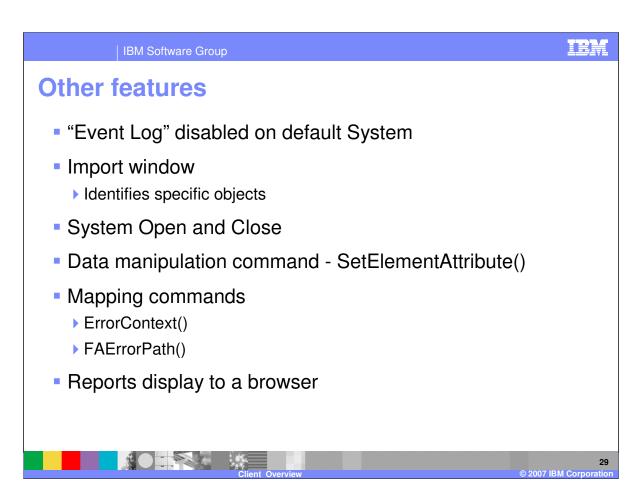
IBM Software Group

Object properties

- Contains Folder name and/or Access Group
- Available for most objects
- Accessed using Object Properties on View menu
- Can be set in list window or editor.



Most objects support object properties. Object properties include a "folder" name and an Access Group. Object properties are available only when folders or Access Groups are enabled on the System. Object properties are displayed and set using the Object Properties function on the Action menu. The properties can be set from a list window or from an editor.



- •The Event Log is disabled on the default System provided with WDI Client since the WDI Server does not write to that System.
- •The import window breaks all objects types into their specific object types. In the past, all maps were grouped into the type "Maps" regardless of the actual map type. This affects maps and a few other object types.
- •Functions are provided to specifically open and close a System. These are found under the File menu.
- •The SetElementAttribute command allows additional field editing. In WDI 3.3, attributes have been added to the SetElementAttribute() mapping command.
- •The mapping commands ErrorContext() and FAErrorPath() are available to Validation Maps.
- •All formatted reports of list and editor windows display in a browser. From there they can be printed or saved to disk.

Summary

- Improved security options
 - ▶ Role Based Access Control, Access Groups, Audit Trail
- Improvements in usability
 - List window, preferences, Systems, functional areas, new WDI Server functions supported by WDI Client
- Increased Document Store function
 - ▶ Data Formats, XML Documents, Submitting
- Interaction with the WDI Server.
 - ▶ Commands, Service Profiles, Document Store



To conclude, WDI Client supports reasonable security features that can be used to limit what objects types a user can access, what functions can be performed against objects within an object type, and even which objects within an object type a user can access. An Audit Trail is available to track who is changing what.

Enhancements have been made to WDI Client to make the application more usable. These include updates to functional areas, list windows, editors, reporting, submitting work to the WDI Server, and more...

All WDI Transaction Store features have been moved to the Document Store. XML and Data Format documents can be saved in the Document Store. Documents in the Document Store can be submitted to the WDI Server from the WDI Client.



Template Revision: 04/25/2006 11:09 AM

Trademarks, copyrights, and disclaimers

The following terms are trademarks or registered trademarks of International Business Machines Corporation in the United States, other countries, or both:

 IBM IBM(logo)
 CICS Cloudscape
 IMS Informix
 WMQ OS/390
 Tivoli WebSpher Series

 e(logo)business AlX
 DB2 DB2 Universal Database
 iSeries Lotus
 OS/400 pSeries
 xSeries zSeries

Java and all Java-based trademarks are trademarks of Sun Microsystems, Inc. in the United States, other countries, or both.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States, other countries, or both.

Intel, ActionMedia, LANDesk, MMX, Pentium and ProShare are trademarks of Intel Corporation in the United States, other countries, or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Linux is a registered trademark of Linus Torvalds.

Other company, product and service names may be trademarks or service marks of others.

Product data has been reviewed for accuracy as of the date of initial publication. Product data is subject to change without notice. This document could include technical inaccuracies or typographical errors. IBM may make improvements and/or changes in the product(s) and/or program(s) described herein at any time without notice. Any statements regarding IBM's tuture direction and intent are subject to change or withdrawal without notice, and represent goals and objectives only. References in this document to IBM products, programs, or services does not imply that IBM intends to make such products, programs or services available in all countries in which IBM operates or does business. Any reference to an IBM Program Product in this document is not intended to state or imply that only that program product may be used. Any functionally equivalent program, that does not infringe IBM's intellectual property rights, may be used instead.

Information is provided "AS IS" without warranty of any kind. THE INFORMATION PROVIDED IN THIS DOCUMENT IS DISTRIBUTED "AS IS" WITHOUT ANY WARRANTY, EITHER EXPRESS OR IMPLIED. IBM EXPRESSLY DISCLAIMS ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. IBM shall have no responsibility to update this information. IBM products are warranted, if at all, according to the terms and conditions of the agreements (e.g., IBM Customer Agreement, Statement of Limited Warranty, International Program License Agreement, etc.) under which they are provided. Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products in connection with this publication and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. IBM makes no representations or warranties, express or implied, regarding non-IBM products and services.

The provision of the information contained herein is not intended to, and does not, grant any right or license under any IBM patents or copyrights. Inquiries regarding patent or copyright licenses should be made, in writing, to:

IBM Director of Licensing IBM Corporation North Castle Drive Armonk, NY 10504-1785 U.S.A.

Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. All customer examples described are presented as illustrations of how those customers have used IBM products and the results they may have achieved. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the IVO configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here.

© Copyright International Business Machines Corporation 2006. All rights reserved.

Note to U.S. Government Users - Documentation related to restricted rights-Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract and IBM Corp.



31

© 2007 IBM Corporation