

Chapter 11

SPS - PD² Adapter

Table of Contents

CHAPTER 11	1
SPS - PD ² ADAPTER	1
TABLE OF CONTENTS	1
11-1INTRODUCTION—WHAT IS THE PD ² ADAPTER?	3
11-1.1 Outgoing Transactions	5
11-1.2 Incoming Transactions	5
11-1.3 Helper Function Transactions	5
11-2 COMPONENTS OF THE ADAPTER	5
11-2.1 Event Capture	5
11-2.1.1 Outgoing Event Capture	5
11-2.1.2 Incoming Event Capture	6
11-2.2 webMethods Integration Server	6
11-2.2.1 Logging in to webMethods Integration Server Administrator	6
11-2.2.2 Logging in to the PD ² Adapter Configuration page	8
11-2.2.3 Verifying Scheduled Services	10
11-2.2.4 Reloading and Updating Packages	11
11-2.2.5 Checking the Version of a Package	17
11-2.2.6 Locating Log Files	18
11-2.2.7 Audit Log	19
11-2.2.8 Error Log	20
11.2.2.9 Server Log	21
11-2.2.10 Change the Server Log Detail Level	22
11-2.2.11 Session Log	23
11-2.2.12 Log files for previous days	25
11-2.2.13 Translator Log files	25
11-2.2.14 Restarting the webMethods Integration Server	27
11-2.2.15 Shutting Down the Integration Server	28
11-2.2.16 Shutting Down the Integration Server Service	29
11-2.3 webMethods Broker	29
11-2.3.1 Stopping the webMethods Broker Service	30
11-2.3.2 Checking for the LOCKFILE	32
11-2.3.3 Starting the webMethods Broker	32
11-2.3.4 Starting the webMethods Integration Server	34
11-2.3.5 Logging in to webMethods Broker Administrator	34
11-2.4 webMethods Trading Networks	36
11-2.4.1 Trading Networks Server	36
11-2.4.2 Trading Networks Console	36
11-2.4.3 Trading Networks Database	37
11-2.4.4 Logging in to the Trading Networks Console	37
11-2.4.5 Locating files in Trading Networks	38

11-2.4.6	Locating files in Trading Networks:	39
11-2.4.7	Viewing transaction information in Trading Networks	41
11-2.4.8	Viewing transaction details:	41
11-2.4.9	Trading Network Errors	43
11-2.4.10	Viewing all Trading Network errors	45
11-3	PD ² DATABASE CHANGES	48
11-3.1	Tables	48
11-3.1.1	Event Subscription Table	49
11-3.1.2	Enable and Disable Events	50
11-3.1.3	To check to see if an event is enabled or disabled:	50
11-3.1.4	Buffer Table	54
11-3.1.5	Polling	55
11-3.1.6	Triggers	55
11-3.1.7	Stored Procedures	56
11-4	SPS LEGACY INTEGRATION	57
11-5	CONFIGURATION DATA REPOSITORY (CDR)	57
11-5.1	Configuration Data Repository – Administration (CDR-A)	57
11-5.1.1	Collections	57
11-5.1.2	Filenames	57
11-5.1.3	Directories	58
11-5.1.4	Sites	58
11-5.1.5	Systems	58
11-5.1.6	Task Sets	58
11-5.1.7	Integrations	58
11-5.1.8	Scheduler	58
11-5.1.9	Accessing CDR-A	59
11-5.1.10	Creating or Editing a Scheduled Task	62
11-5.1.11	Directory Path and Filename Configuration	67
11-6	ERROR HANDLING	69
11-6.1	Outgoing Transactions	69
11-6.1.1	Was the Document Released?	69
11-6.1.2	Is the Transaction in the Buffer Table?	70
11-6.1.3	If the Transaction is not in the Buffer Table	71
11-6.1.4	Has the Buffer Table Row been Polled?	73
11-6.1.5	What do I do if the Buffer Table is not being polled?	73
11-6.1.6	Has the Buffer Table Row been Extracted?	77
11-6.1.7	Is The Adapter Routing Data To TN?	77
11-6.1.8	If the Adapter is not Submitting Data to TN	78
11-6.1.9	Verifying the TN Connection Pool is Configured Correctly	79
11-6.1.10	Verifying the TN Package is Fully Loaded	80
11-6.1.11	Other Causes of Documents Failing to be Sent to TN	81
11-6.1.12	Are Document Types Configured to be Sent to the Broker?	82
11-6.1.13	Is the Broker Properly Configured?	82
11-6.1.14	Is The Translator Picking Up Documents From the Broker?	87
11-6.1.15	Is The Translator Rejecting Documents?	89
11-6.1.16	Is The Translator Selecting To Translate Documents?	89

11-6.1.17	Are Documents on the File System?	90
11-6.1.18	Is the Translator Scheduled?	90
11-6.2	Incoming Transactions	91
11-6.2.1	Is the Translator Scheduled and Processing Documents?	91
11-6.2.2	Are File Names and Locations correct?	92
11-6.2.3	Are Files being moved to the temp directory and then Archived?	92
11-6.2.4	Is the Broker Queue large?	93
11-6.2.5	Is The Translator Rejecting Documents?	95
11-6.2.6	Are Documents in TN failing insertion into PD ² ?	97
11-7	TRANSLATOR LOG FILES	98
11-8	TROUBLESHOOTING SPECIFIC ISSUES	101
11-8.1	TN Database Maintenance Issues	101
11-8.1.1	TN Database Log Segment Becomes Full	101
11-8.1.2	TN Database Data Segment Becomes Full	102
11-8.2	Out of Memory Exceptions	103
11-8.2.1	Increasing RAM Available to JVM	103
11-8.2.2	Best Practices for Managing JVM Memory	103
11-8.2.3	Minimizing Memory Allocation on Startup	103
11-8.3	Database Connection Issues	104
11-8.3.1	Troubleshooting a WmDB Alias	105
	ATTACHMENTS	106
	ATTACHMENT A: TASKS FOR SYSTEM ADMINISTRATORS	106
	60 Day Tasks:	108
	Semi-Annual Tasks	109
	ATTACHMENT B: EVENT CODES	113
	ATTACHMENT C: AVAILABLE SCRIPTS FOR WEBMETHODS INTEGRATION SERVER	
	ADMINISTRATION	114
	ATTACHMENT D: EVENT SUBSCRIPTIONS	117
	ATTACHMENT E: XML DOCUMENT TYPE – INTERFACE MATRIX	118
	ATTACHMENT F: FTP BATCH FILES	120
	ATTACHMENT G: RUNNING SCHEDULER SERVICES MANUALLY	124
	ATTACHMENT H: CLEARING THE WEBMETHODS BROKER QUEUE	126
	ATTACHMENT I: CLIENT CONFIGURATION FOR WEBMETHODS TN CONSOLE & DEVELOPER	128
	ATTACHMENT J - Events	129

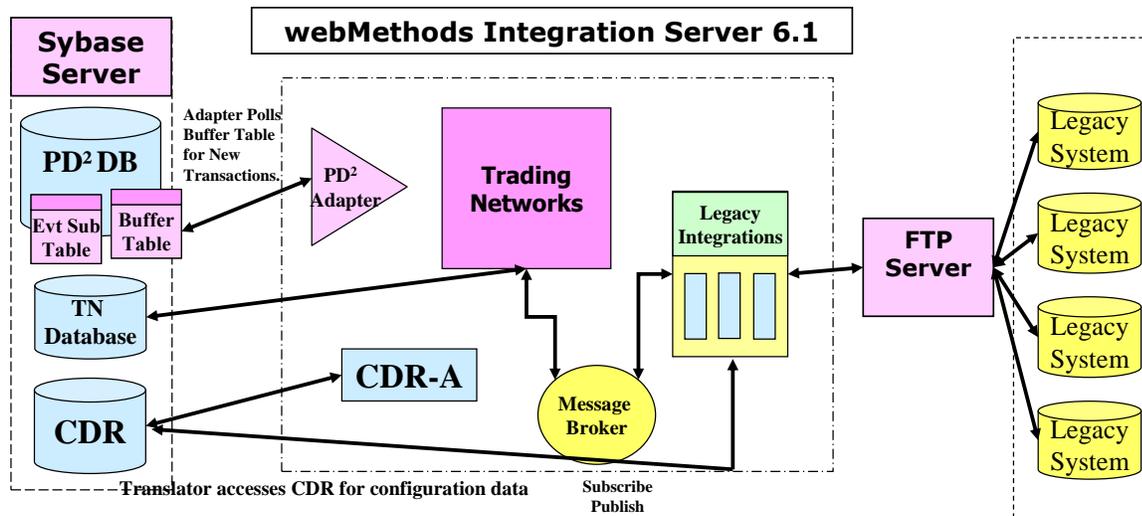
11-1 INTRODUCTION—WHAT IS THE PD² ADAPTER?

The PD² Adapter is an application that is built on the webMethods Integration platform and provides an open interface between PD² and external systems. The Adapter extracts documents from, and inserts documents into, the PD² database in a standard XML file format. It also allows System Administrators to track and monitor transactions by using logging, auditing, document routing, error handling, and event capturing.

What is XML? eXtensible Markup Language or XML is a document format used to store and transfer information. The XML file content and structure is defined by Document Type Definitions (DTDs).

What is a DTD? A Document Type Definition, or DTD, is a separate document that defines the content and structure of the XML file.

The diagram below displays a high-level view of the PD² Adapter integration environment. The webMethods Trading Networks Console and webMethods Integration Server components are installed on a local server and are connected to the site's PD² database. Additional instances of the webMethods Trading Networks Console can be installed on separate machines at the site to monitor the Integration Server transactions. The Trading Networks package connects to the Trading Networks database or repository, which is created on the PD² database server. When an event occurs in the PD² application, the PD² Adapter captures the necessary data, converts it into XML format, and forwards the XML document to the specified external or legacy system. If the external system does not interpret XML, documents entering or leaving TN must first go through a translator that will convert the XML into an integration specific flat file.



- **PD² Database:** This is where the PD² Adapter extracts or inserts data. Two new tables, the Event Subscription table and the Buffer table, are added to the PD² Database during the Adapter installation in addition to various database triggers.
- **webMethods Integration Server:** This is the foundation for the PD² Adapter. This is where the Adapter's main functions are performed.
- **webMethods Trading Networks:** This component allows the PD² Adapter site to exchange information with external systems. Information is stored in the Trading Networks database on the Sybase server.
- **webMethods Broker (Message Broker):** This service allows integration components as well as other clients to share information. These components communicate directly with the Broker, not with each other.
- **Legacy Integrations:** These components contain translators that convert XML files to user-defined format (UDF) files that external systems can understand. These translators also convert external system files into XML documents that the PD² Adapter can understand.
- **Configuration Data Repository (CDR):** This database contains integration data. The translators use this information when outputting files.

- **Configuration Data Repository – Administration (CDR-A):** This is the interface for the CDR. Using CDR-A, you can change the integration settings and PD² user routing in the CDR.

11-1.1 Outgoing Transactions

Outgoing transactions occur when the local PD² Adapter transmits an XML document to an external system. Outgoing transactions include outgoing procurement documents, vendor information, document status, and PD² user data. All outgoing event captures are summarized in the *PD² Adapter v2.7 User's Guide, Section 2 and Appendix C: Outgoing Event Capture Summary*.

11-1.2 Incoming Transactions

Incoming transactions include incoming procurement documents, organizations and vendors, receipts, payments and other PD² data that is sent from an external system to be inserted into the local PD² database. For more details see *PD² Adapter v2.7 User's Guide, Section 3*.

11-1.3 Helper Function Transactions

The PD² Adapter allows systems to request and exchange data through Request/Response transactions. A system can submit a request to a partner system for information about procurement documents, PD² users, or organizations and vendors within a Request XML document. When the local system receives the Request, the PD² Adapter searches the PD² database and returns a Response XML document with the requested information to the external system. For more details see Section 4 of the *PD² Adapter v2.7 User's Guide, Section 4*.

11-2 COMPONENTS OF THE ADAPTER

This section describes the various aspects of the PD² Adapter in more detail. The exercises accompanying this section demonstrate common tasks associated with the administration and maintenance of the PD² Adapter.

11-2.1 Event Capture

The Event Capture process recognizes pre-defined events in the PD² application and Trading Networks. This serves as the starting mechanism for automated outgoing and incoming data transfer.

11-2.1.1 Outgoing Event Capture

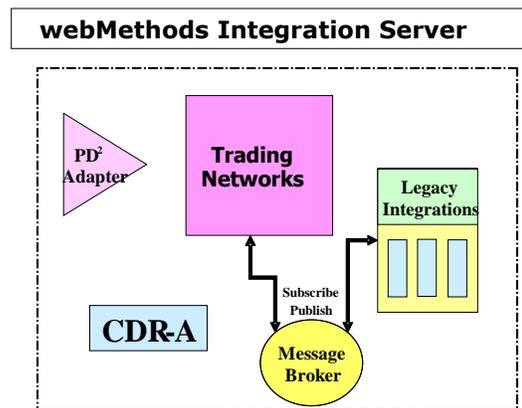
All events are related to PD² business documents or objects. When an outgoing event such as the release of an award occurs, a *database trigger* detects the event in the database. The trigger then inserts information about the event and the associated document into the *pd2_buffer_pmo* database table, where it is stored until the document is extracted from the database.

11-2.1.2 Incoming Event Capture

Based off of integration settings in the CDR-A, the Adapter periodically checks a given location for new XML or UDF files. The receipt of a file serves as the triggering event for an incoming transaction.

Polling services periodically check the buffer table or Trading Networks to find out which relevant events have been recorded there, and based on this information, the Adapter invokes the appropriate document extraction or insertion service.

11-2.2 webMethods Integration Server



The webMethods Integration Server has two main components: the Integration Server and the Integration Server Administrator. The webMethods Integration Server acts as the environment that houses the PD² Adapter. It provides for the orderly, secure, and efficient execution of the Adapter and its associated services. The Integration Server also authenticates clients, verifies that they are authorized to execute the requested service, maintains audit-trail logs, and promotes throughput.

Access to the functions on this server is obtained through Internet Explorer using the webMethods Integration Server Administrator (webMethods Administrator). The webMethods Administrator is used to monitor, update, and change processes and information of the PD² Adapter. These functions include administrative and maintenance steps such as shutting down and restarting the Integration Server, creating and updating user accounts and groups, loading or reloading packages, configuring log and archive settings, reviewing system and error logs, and scheduling polling. In order for the functions to be available, the server must be running.

11-2.2.1 Logging in to webMethods Integration Server Administrator

This step also detects whether or not the webMethods Integration Server is running.

➤ To log in to the webMethods Administrator page:

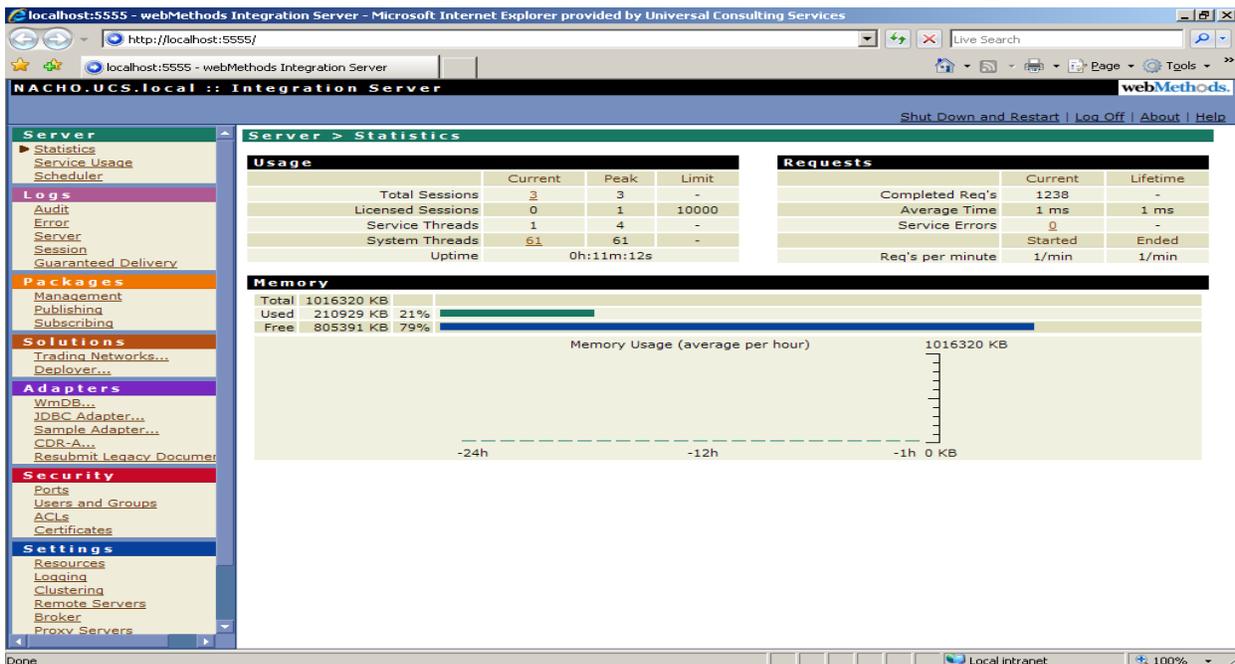
1. Open Internet Explorer.

2. Enter the URL **http://server:port**, substituting the correct server name and port number (e.g., http://localhost:5555).

If the “Enter Network Password” screen does not show up, then the webMethods Integration Server is not running. Your browser will show an error message stating that “The page cannot be displayed.”



3. Once you log in, the webMethods Administrator page displays.



From this page, you have access to many of the tools you need for the daily administration of a site. Using the menus on the left side, you can change the scheduled services, reload various packages, view log files, change user security, access CDR-A, and more.

The webMethods Integration Server Administrator page should not be confused with the PD² Adapter Configuration page or the webMethods Broker Administrator page. Each of these components has its own configuration page which build off of the webMethods Integration Server Administrator page.

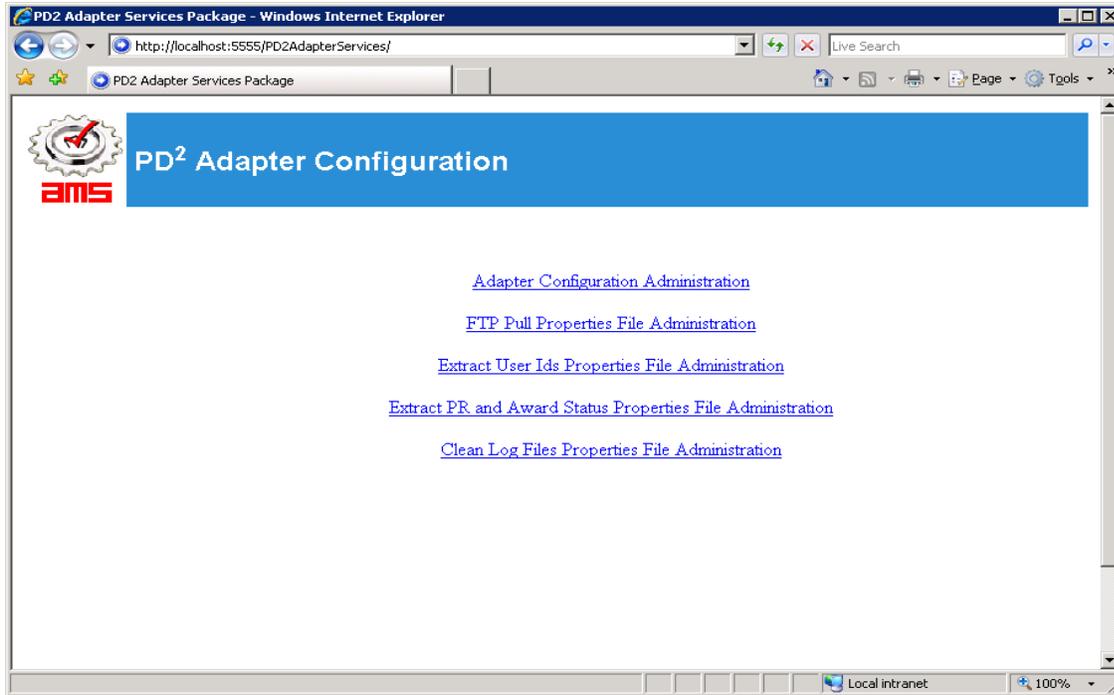
11-2.2.2 Logging in to the PD² Adapter Configuration page

The Adapter Configuration site can be accessed by any computer that can connect to the machine where the Adapter was installed.

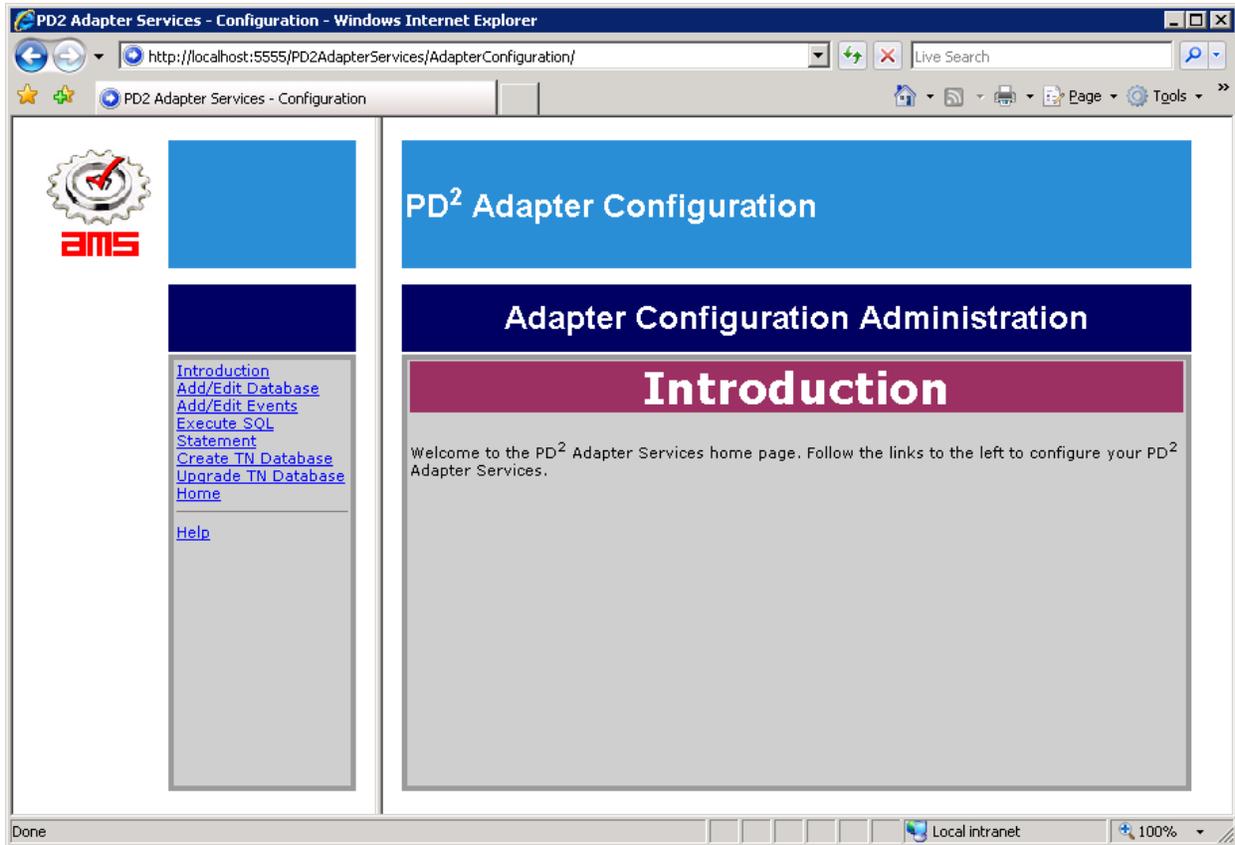
- To log in to the PD² Adapter Configuration page:
 1. Open Internet Explorer.
 2. Enter the URL **http://server:port/PD2AdapterServices**, substituting the correct server name and port number.
 3. Log in with a username and password at the “Enter Network Password” screen.



Once you log in, the PD² Adapter Configuration page displays.



4. Click on the “Adapter Configuration Administration” link. The configuration administration introduction page displays. From here you can edit event subscriptions, PD² database information, and more.

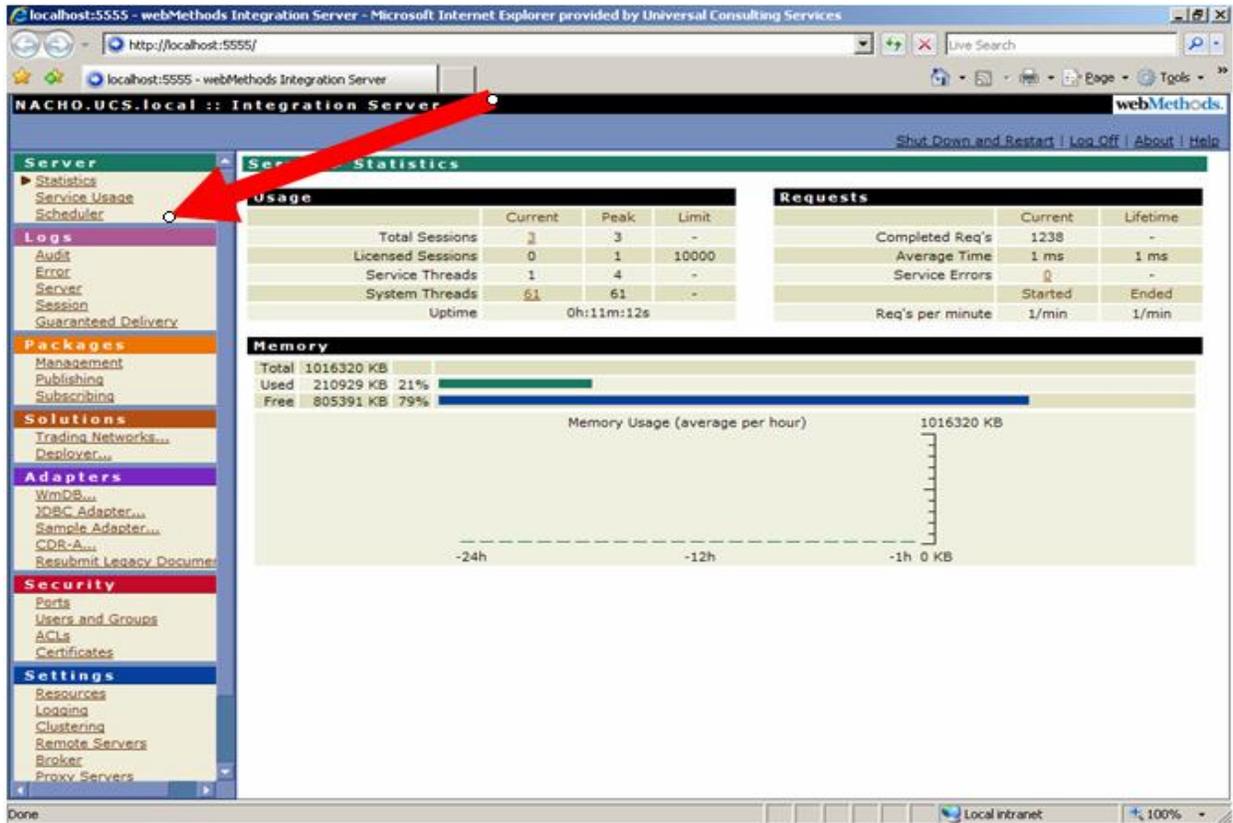


11-2.2.3 Verifying Scheduled Services

This is a common step in troubleshooting the PD² Adapter. If documents are not being extracted, one reason may be that the “**multiPoll**” service is not active. The “multiPoll” service is a webMethods service which administers the polling and extraction of data from the PD² database.

- To verify which services are scheduled:
 1. Log in to the webMethods Administrator page.

- On the left navigation pane, select the “Scheduler” link under the “Server” menu.



- In this instance, there are four services actively scheduled to run. The links under the “Active” column can state “Active” or “Suspended.” In order for the service to run, the status should say “Active”.



11-2.2.4 Reloading and Updating Packages

All PD² Adapter functionality is contained in services. Services are functional units of code that perform a certain task. Services are grouped in folders, and these folders are grouped in

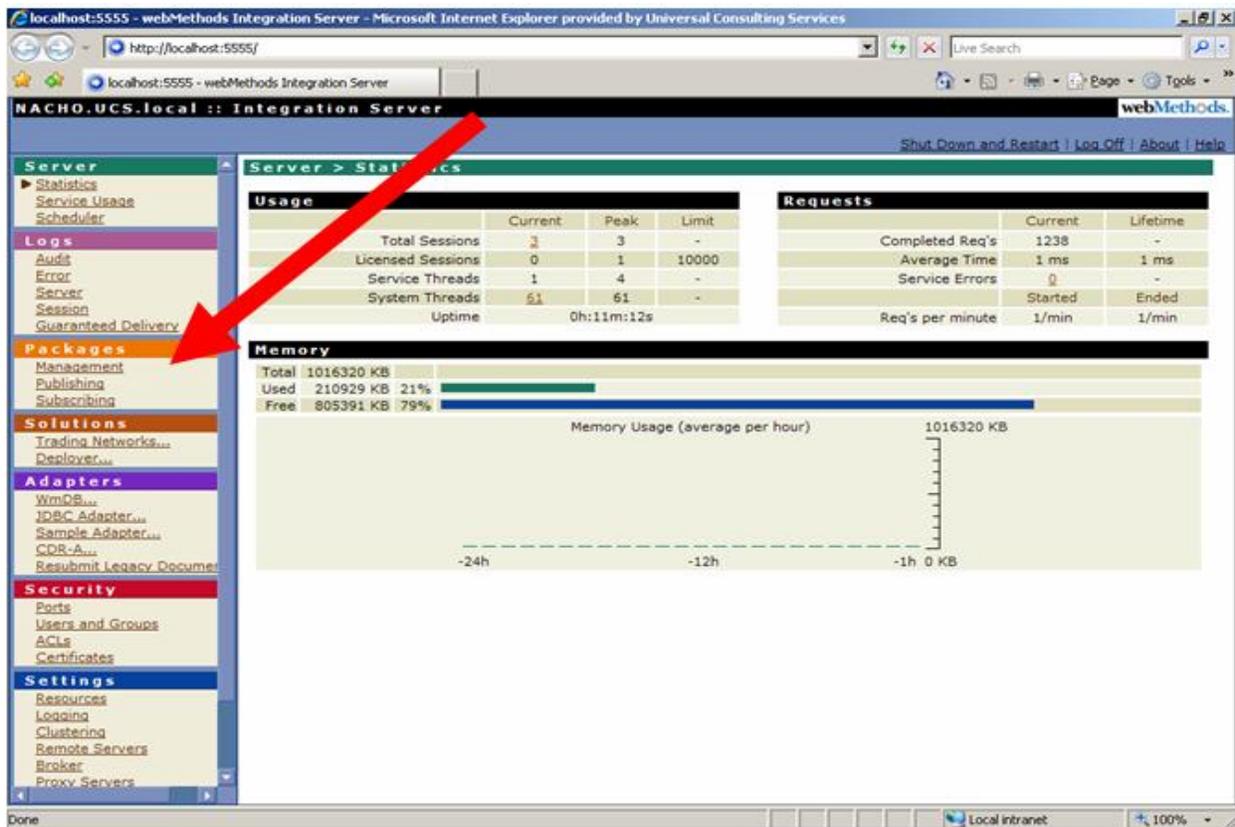
packages. The PD² Adapter is contained in a set of packages that can be used for deployment of the PD² Adapter to other integration servers.

The packages containing the services that facilitate the PD² Adapter’s functionality include:

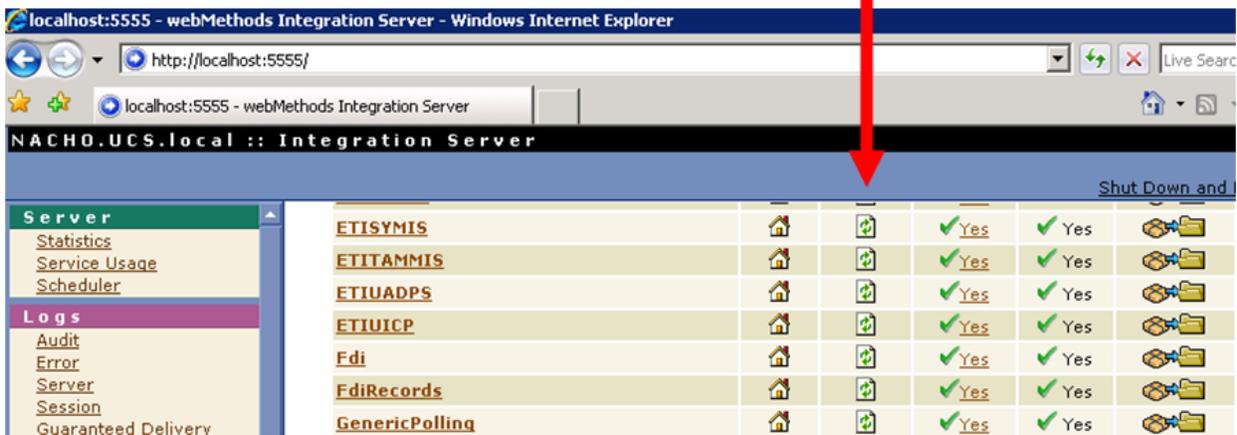
- **Fdi (Functional Document Interface):** Includes the main services that interact with the PD² database to extract, insert, and update PD² documents and objects.
- **AMSCCommonServices:** Contains a set of common services that may be utilized in an integration.
- **AMSHelperFunctions:** Consists of services interacting with the PD² database to retrieve specific data.
- **GenericPolling:** Contains the polling services and related utilities to initiate Adapter transactions.
- **PD2AdapterServices:** Includes a set of services supporting the configuration and execution of PD² Adapter services.

Whenever you change configuration files, the Fdi package should be reloaded. Refreshing the Fdi package allows changes made to the configuration files to be recognized by the PD² Adapter.

- To reload a package:
 1. Log in to the webMethods Administrator page.
 2. Select the “Management” link under the “Packages” menu. The page will display a list of all installed packages.



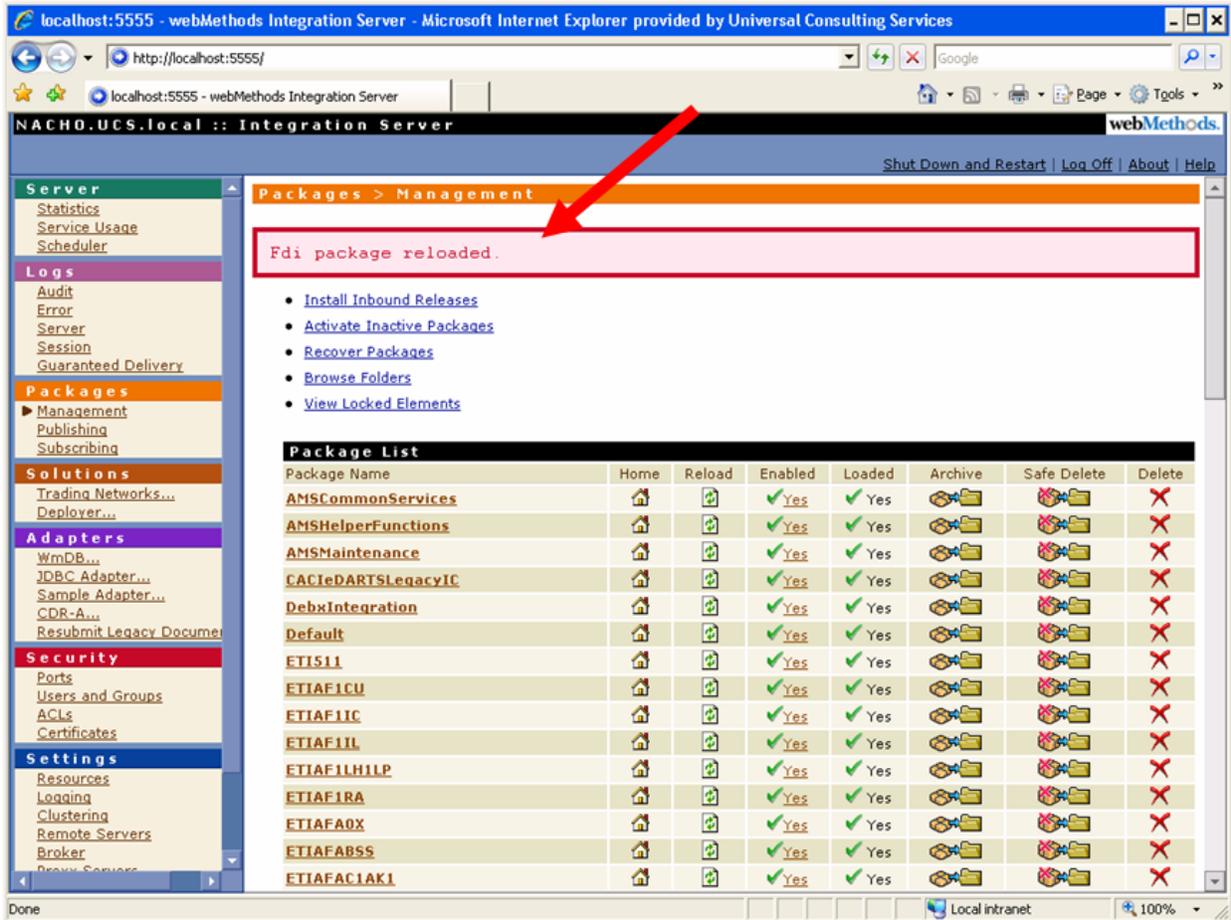
3. After allowing the page to fully load, click the icon in the Reload column that corresponds to the specific package.



4. A popup window will open. Click [OK].

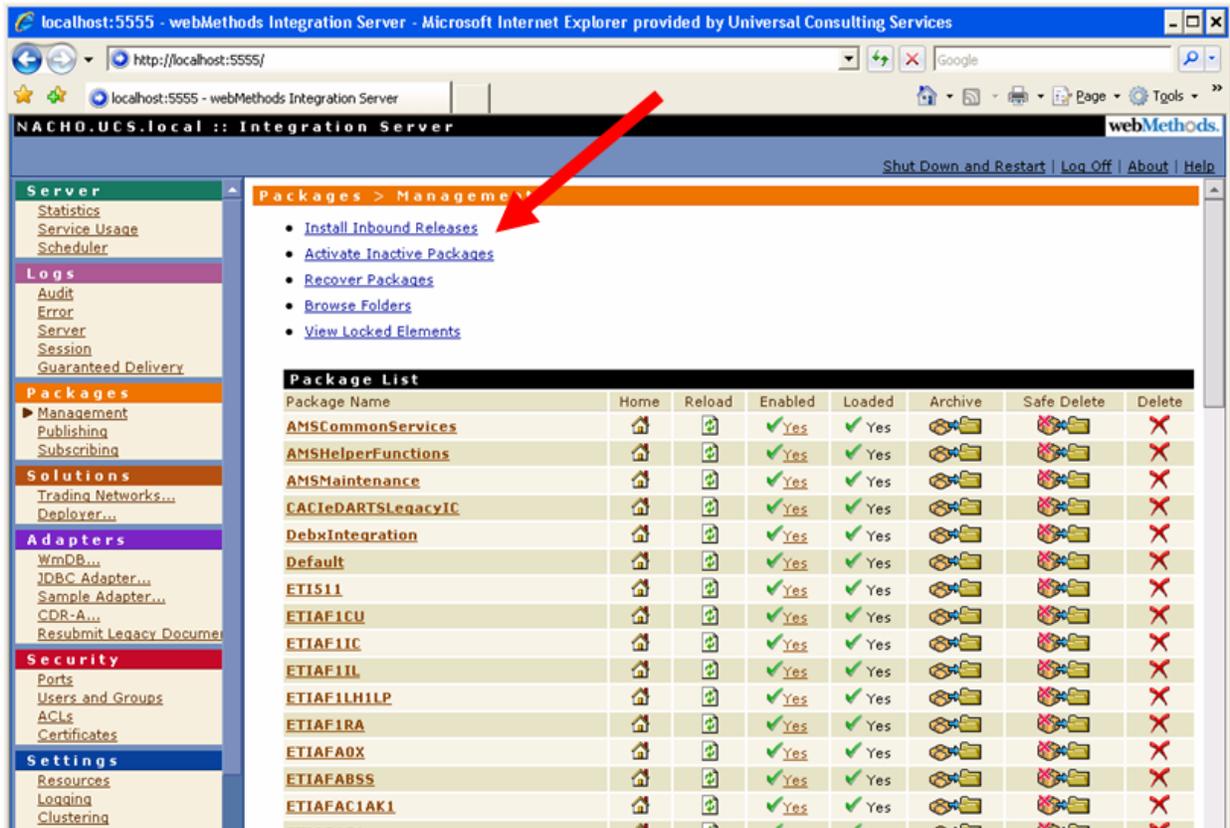


5. A confirmation page will appear, stating that the package was reloaded.

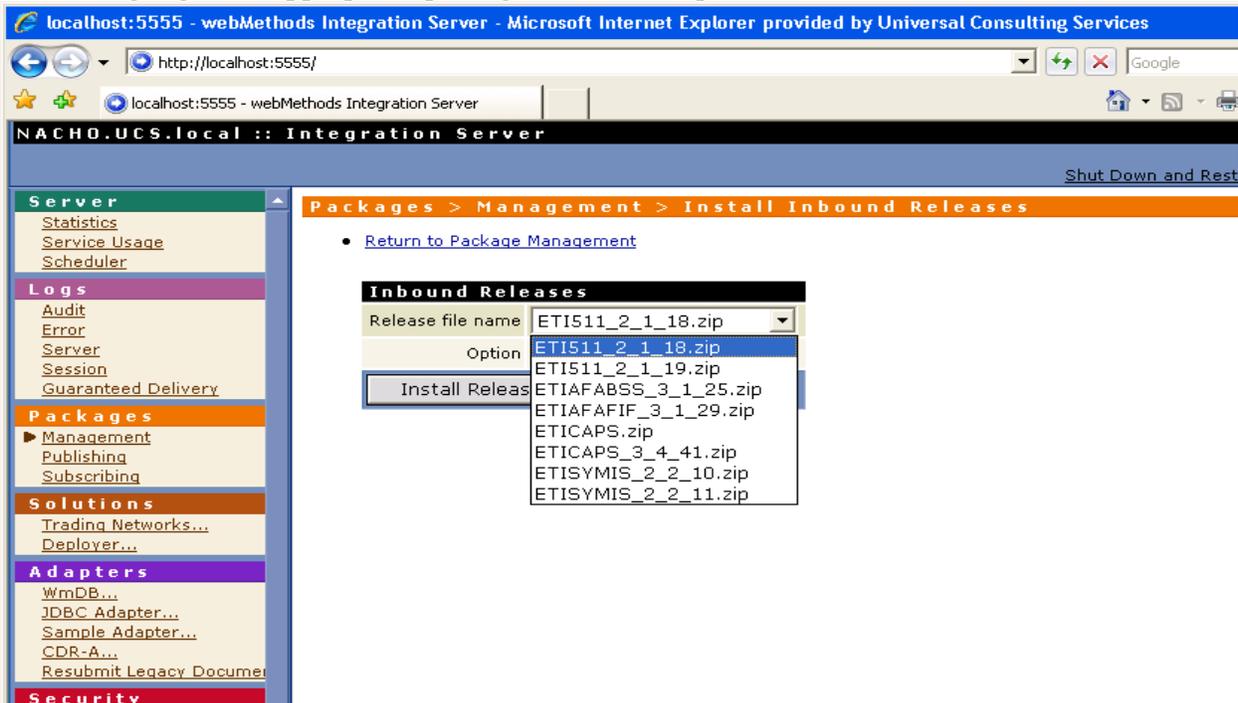


- To update a package:
 1. Log in to the webMethods Administrator page.
 2. Select the “Management” link under the “Packages” menu. The page will display a list of all installed packages.

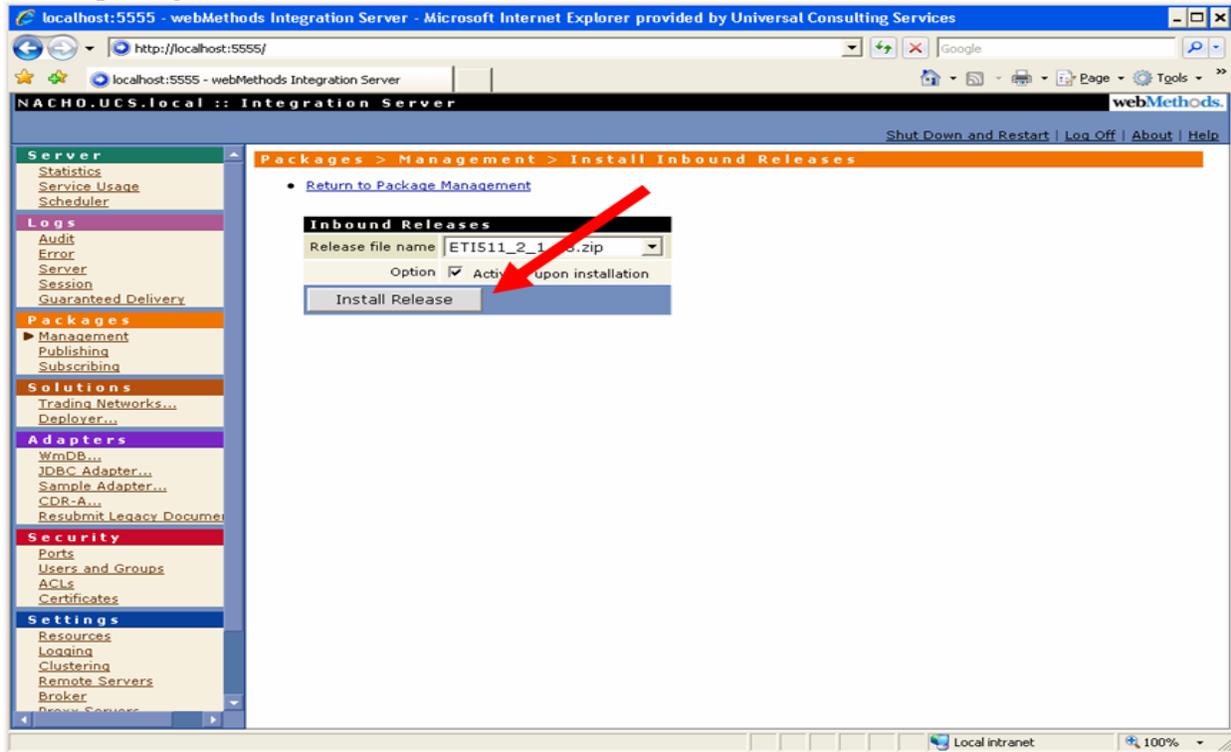
3. Select the “Install Inbound Releases” link.



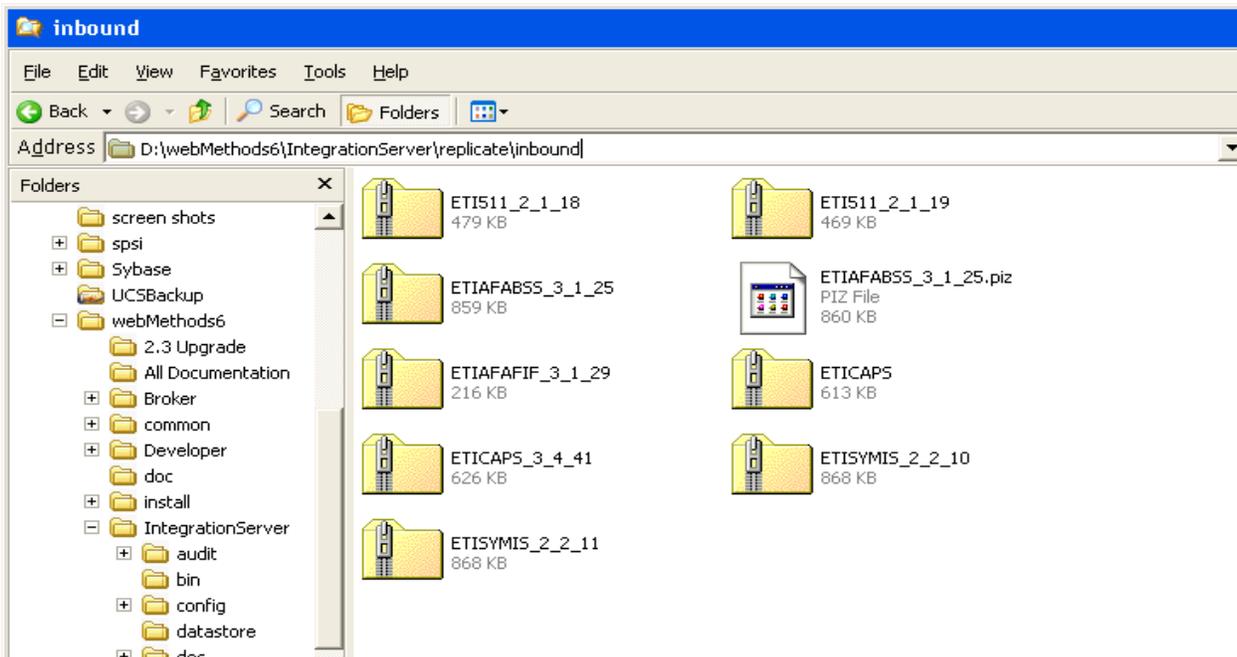
4. Highlight the appropriate package from the drop down menu.



5. Click the “Install Releases” button. You will receive a confirmation message that the package was installed and activated.



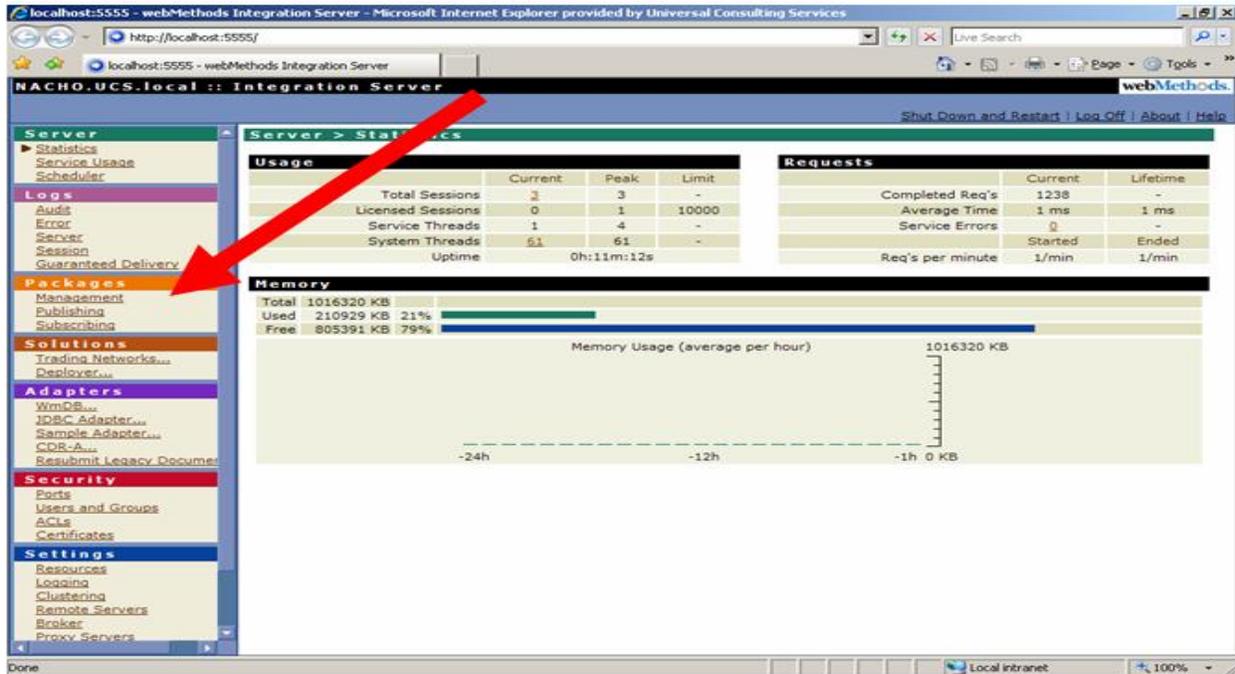
Note: The packages that appear in the drop down menu are found in the D:\webMethods71\IntegrationServer\replicate\inbound folder.



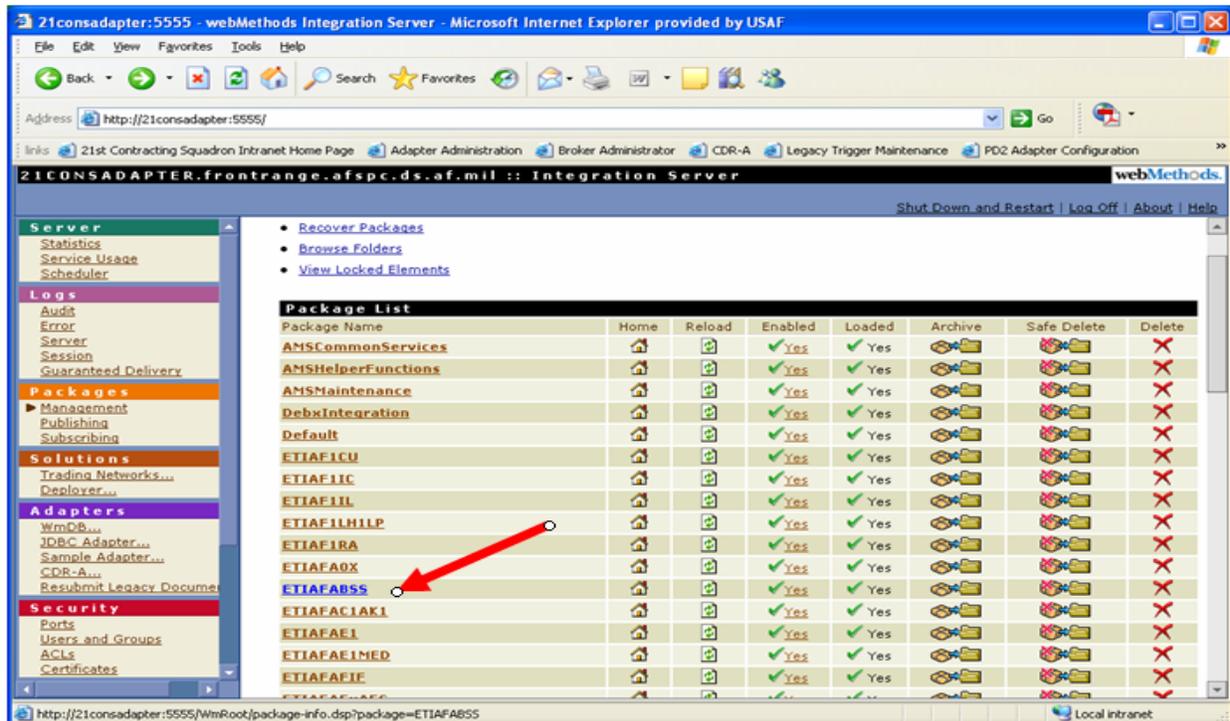
11-2.2.5 Checking the Version of a Package

To validate if you have the correct version of a translator package perform the following:

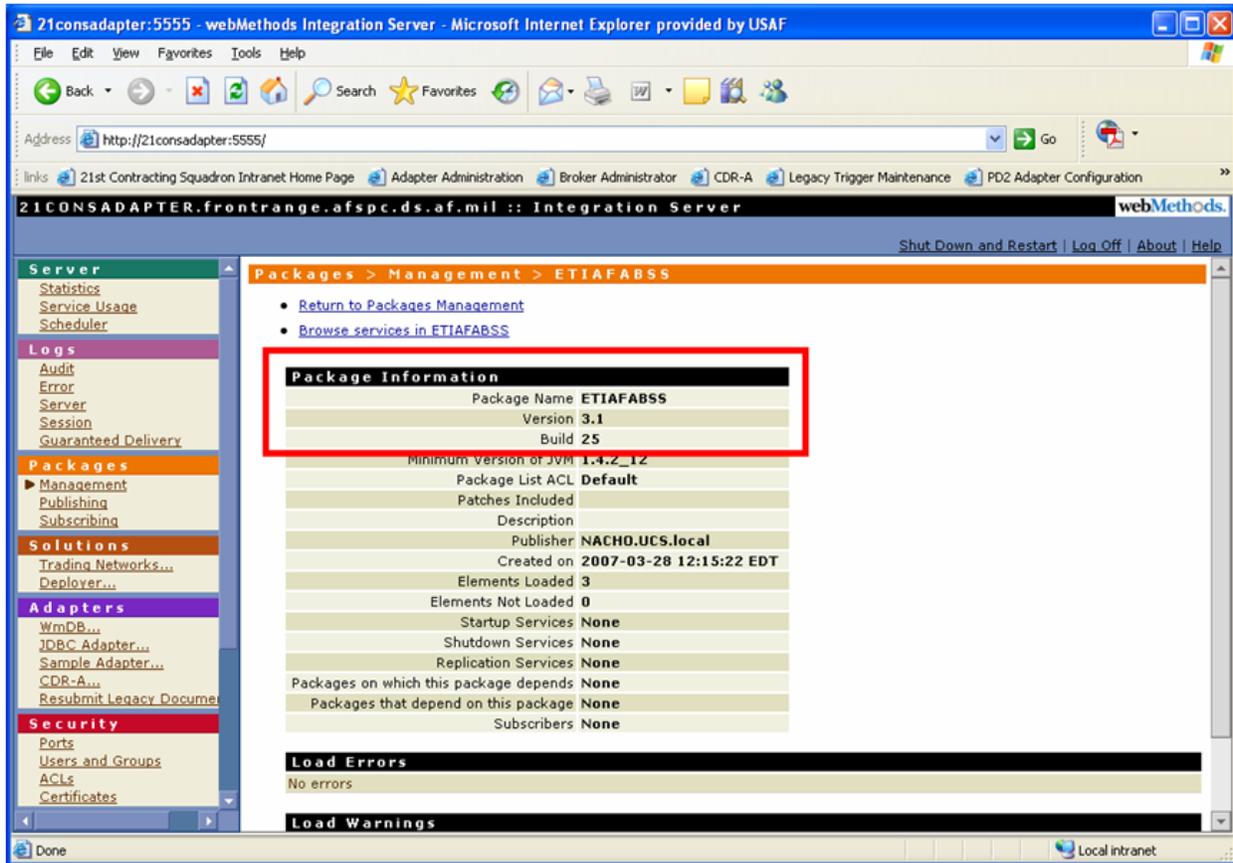
1. Log in to the webMethods Administrator page.
2. Select the “Management” link under the “Packages” menu. The page will display a list of all installed packages.



3. On the Package List page click on the package name you are interested in.



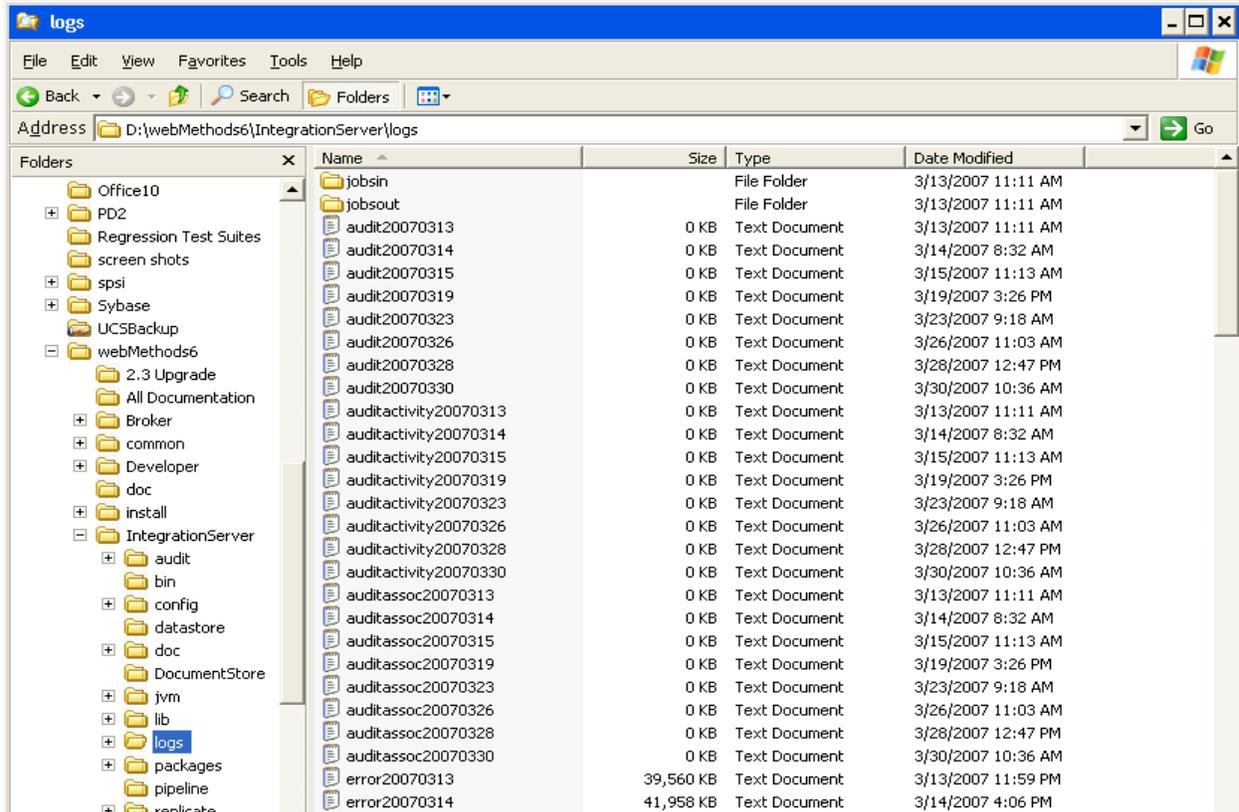
4. The version and build number are displayed in the Package Information area



11-2.2.6 Locating Log Files

There will be times when the PD² Adapter does not work properly. Whether there is a problem with a component of the Adapter, or whether a document was missing required data, you will need to know how to locate the relevant log files.

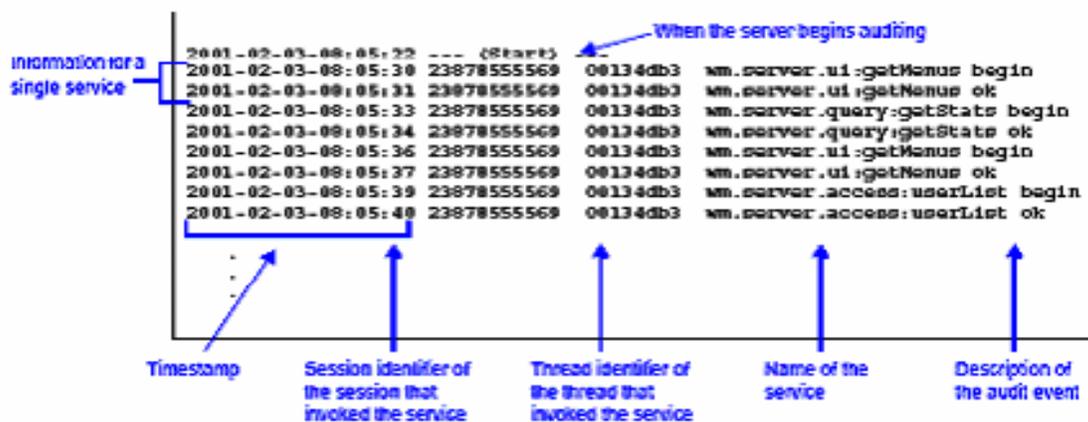
All PD² Adapter logs are located in the **D:\webMethods71\IntegrationServer\logs** folder. These log files can be viewed in any text editor. Logs can also be viewed within the webMethods Administrator.



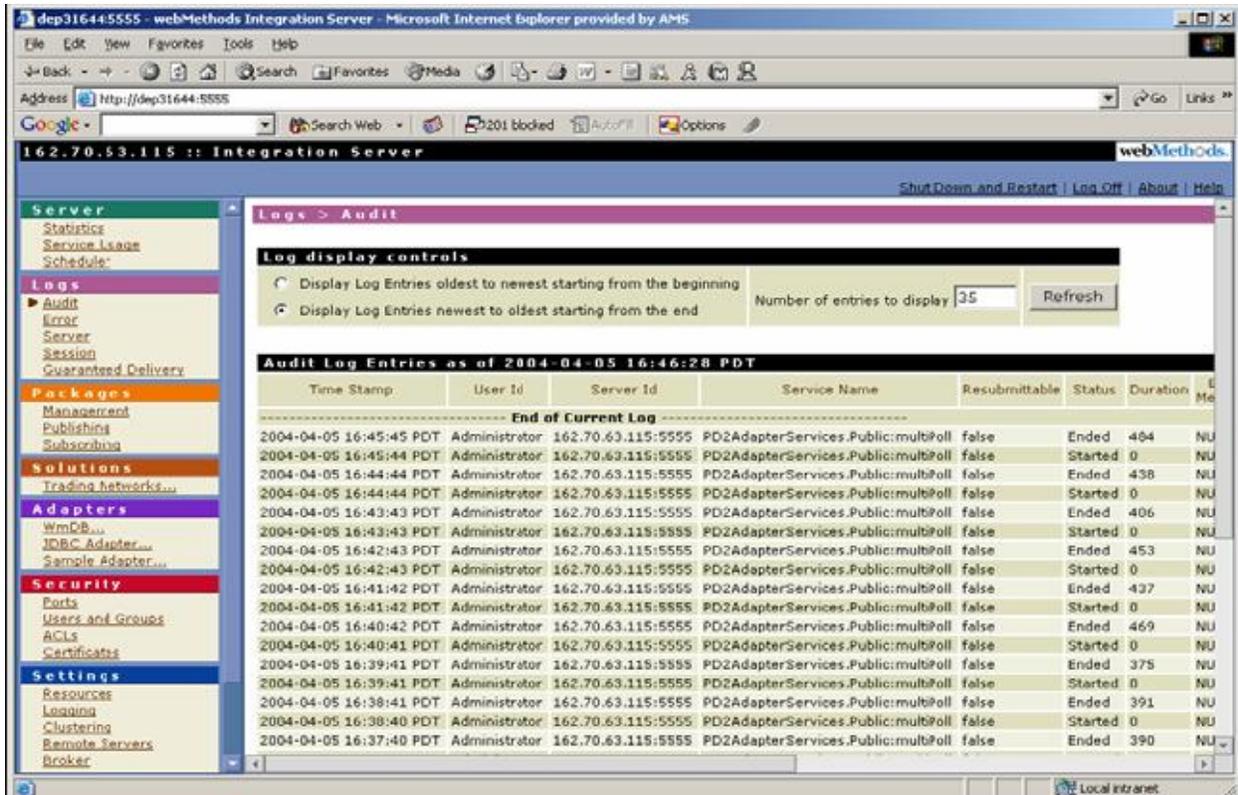
11-2.2.7 Audit Log

The Audit Log (*audit.log*) keeps a list of the services the webMethods Integration Server calls. Two records are logged for each executed service: one for the beginning of execution, and one for the completion of the service. Timestamps are included with each entry.

Example of *audit.log*



- To view the Audit log, log in to the webMethods Administrator page. On the left side, select the “Audit” link in the Logs section. The Audit log page will display.



11-2.2.8 Error Log

The Error Log (error.log) is useful for troubleshooting. It contains errors and exceptions that have occurred in the webMethods Integration Server system, including the PD² Adapter’s business processing rules errors.

Example of error.log

```

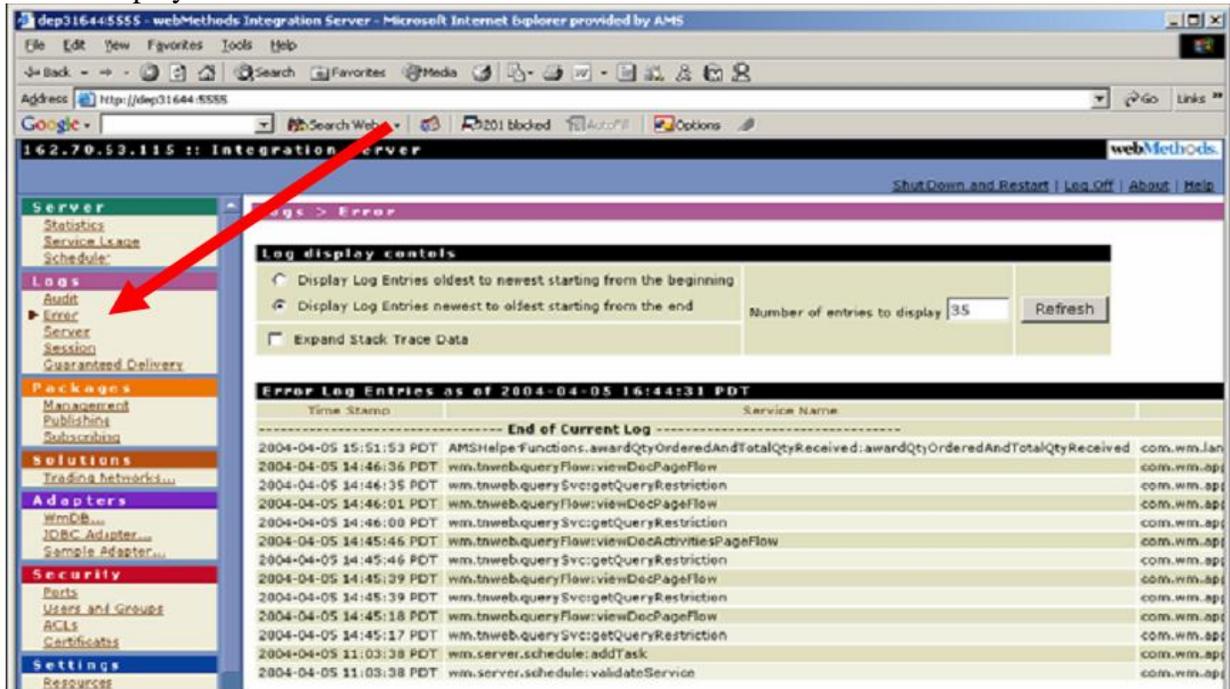
Timestamp and exception → 2001-12-03-08:05:22 java.lang.NoSuchMethodError:
com.wm.app.b2b.server.Manifest: method
getInterfaceInfo()Lcom/wm/util/Values; not found
Stack trace that shows the call sequence leading to the exception →
at com.wm.app.b2b.server.PackageManager.registerSpecImplementers(Compiled Code)
at com.wm.app.b2b.server.PackageManager.loadPackage(PackageManager.java:312)
at com.wm.app.b2b.server.PackageManager.loadPackage(PackageManager.java:243)
at com.wm.app.b2b.server.PackageManager.loadPackages(Compiled Code)
at com.wm.app.b2b.server.PackageManager.init(Compiled Code)
at com.wm.app.b2b.server.Server.run(Server.java:157)

2001-12-03-08:15:13 java.lang.NoSuchMethodError:
com.wm.app.b2b.server.Manifest: method
getInterfaceInfo()Lcom/wm/util/Values; not found
at com.wm.app.b2b.server.PackageManager.registerSpecImplementers(Compiled Code)
at com.wm.app.b2b.server.PackageManager.loadPackage(PackageManager.java:312)
at com.wm.app.b2b.server.PackageManager.loadPackage(PackageManager.java:243)
at com.wm.app.b2b.server.PackageManager.loadPackages(Compiled Code)
at com.wm.app.b2b.server.PackageManager.init(Compiled Code)
at com.wm.app.b2b.server.Server.run(Server.java:157)
    
```

➤ To view the Error log:

1. Log in to the webMethods Administrator page ([See section 11-2.3.5](#)).

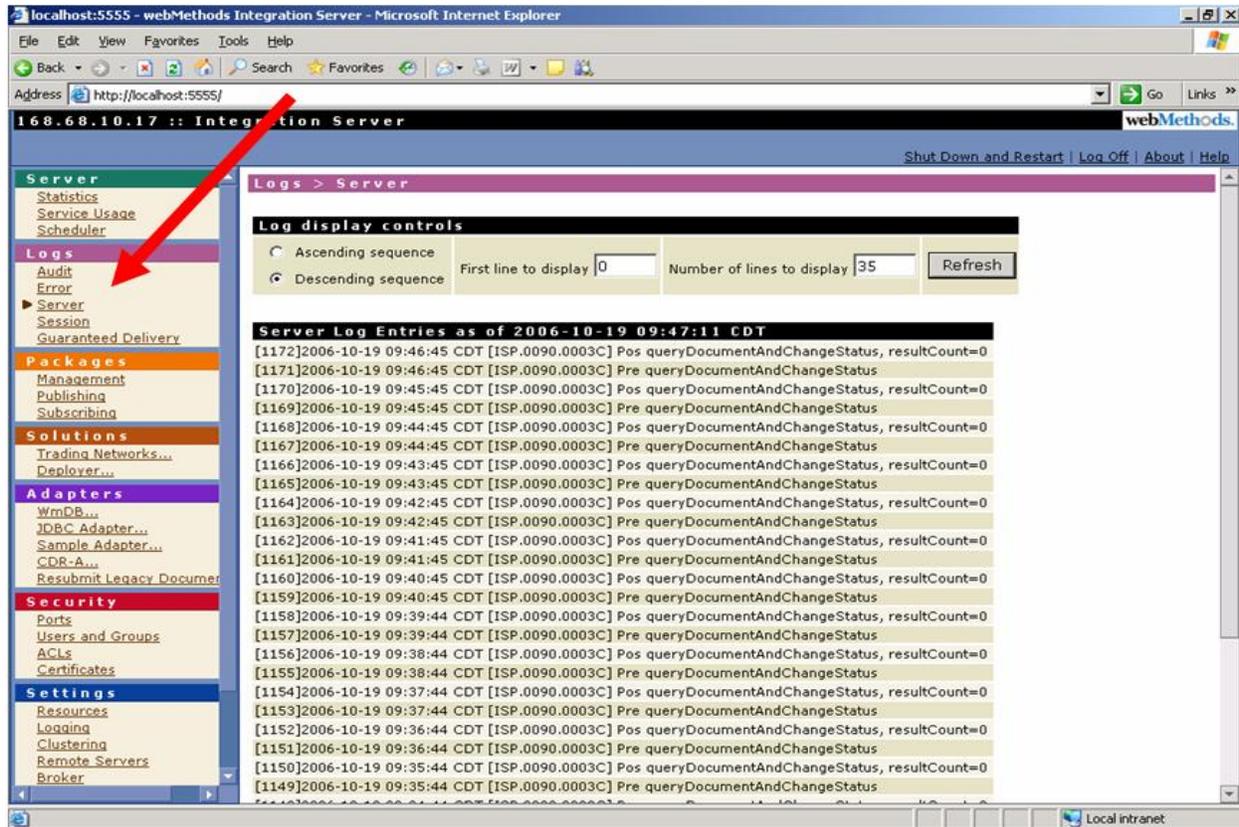
2. On the left side, select the “Error” link in the Logs section. The Error log page will display.



11.2.2.9 Server Log

The Server Log (server.log) maintains information about the version of the webMethods Integration Server that is currently running, and the operations the server has performed. This information can be used for general debugging purposes.

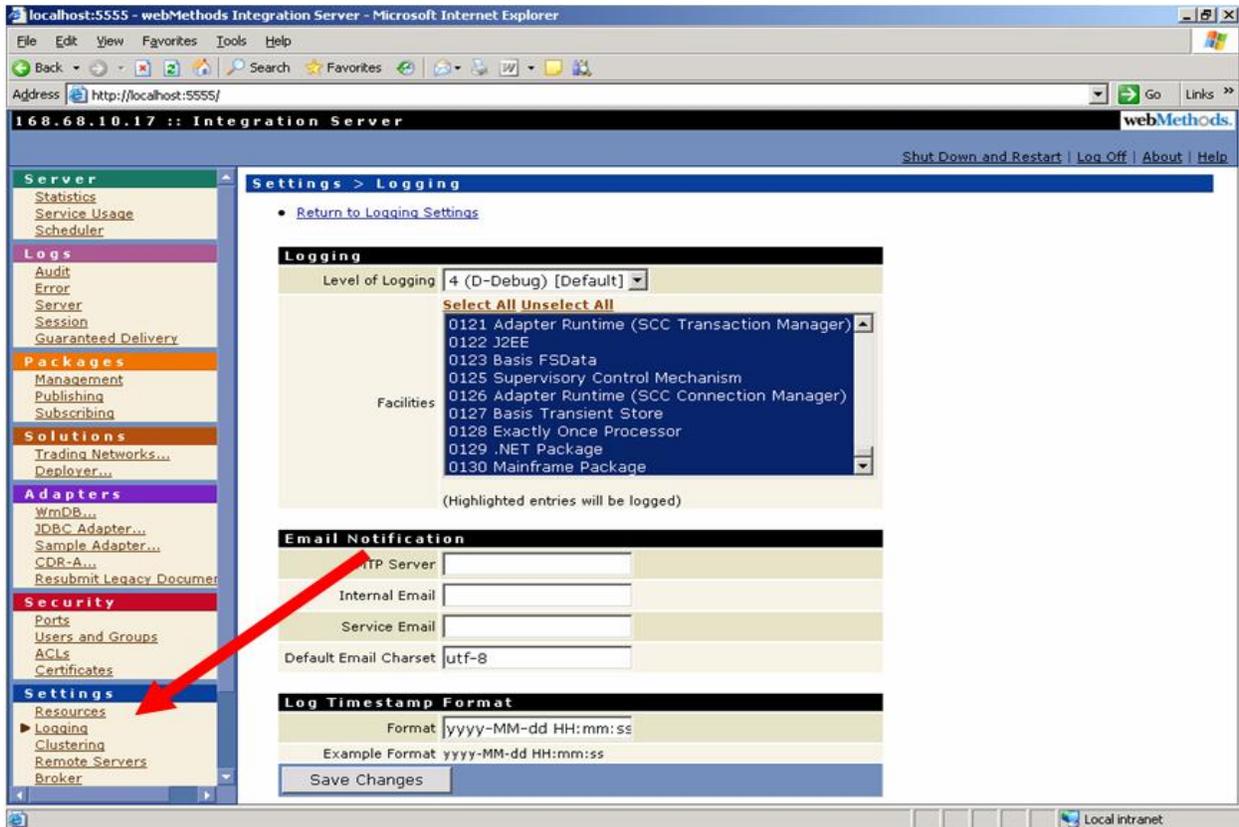
- To view the Server log:
 1. Log in to the webMethods Administrator page.
 2. On the left side, select the “Server” link in the Logs section. The Server log page will display.



11-2.2.10 Change the Server Log Detail Level

Unlike the other log files, the Server log can be configured to track specific types of events and different levels of detail. This capacity can be used to troubleshoot server errors or performance issues by temporarily increasing the log's level of detail and returning it to a lower level once the problem has been resolved. Server performance increases when the log detail level is set to a lower number.

- To change the log detail level:
 1. Log in to the webMethods Administrator page.
 2. On the left side, select the “Logging” link in the Settings section. The logging options page will display.



3. In the “Level of Logging” drop-down box, choose a value between 1 and 10.
4. Click the [Save Changes] button.

11-2.2.11 Session Log

The Session Log (session.log) maintains information about all webMethods Integration Server sessions. The Integration Server creates a session when a client connects to the server to execute services. Each record in the session log includes a timestamp indicating when a user established a connection to the Integration Server.

Example of session.log

Action for the session:
 — beginning (Begin)
 — ending (End)
 — expiring (Expire)

How long the session existed (in milliseconds) before it expired or ended

When the server began logging session information at server startup

```

2001-02-03-08:15:12 --- (Start) ---
2001-02-03-08:15:13 Begin 23878555569 Default localhost
2001-02-03-08:15:14 Expire 23878555569 rpcs=16 age=8931613
2001-02-03-08:15:16 End 23878555569 rpcs=16 age=8931623
2001-02-03-08:15:17 --- (Start) ---
2001-02-03-08:15:19 Begin 22273555569 Default localhost
2001-02-03-08:15:21 End 22273555569 rpcs=8 age=41521
2001-02-03-08:15:22 Begin 22273555569 Administrator localhost
2001-02-03-08:15:23 Begin 22273555569 Administrator localhost
2001-02-03-08:15:24 End 22273555569 rpcs=2 age=505056
    
```

Server host name or IP address

Timestamp

Session ID

Number of times the service has been invoked this session.

Identity of the user that is connected for this session.

- To view the Session log:
 1. Log in to the webMethods Administrator page.
 2. On the left side, select the “Session” link in the Logs section. The Session log page will display.

Log display controls

Display Log Entries oldest to newest starting from the beginning

Display Log Entries newest to oldest starting from the end

Number of entries to display

Session Log Entries as of 2006-10-19 10:02:53 CDT

Time Stamp	Server Id	User Id	Client IP	Session State	Rpcs	Age	Session ID
----- End of Current Log -----							
2006-10-19 10:02:51 CDT	168.68.10.17:5555	Administrator	system	Ended	0	516	
2006-10-19 10:02:50 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:02:47 CDT	168.68.10.17:5555	Administrator	system	Ended	0	141	
2006-10-19 10:02:47 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:02:40 CDT	168.68.10.17:5555	Administrator	system	Ended	0	344	
2006-10-19 10:02:40 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:02:30 CDT	168.68.10.17:5555	Administrator	system	Ended	0	375	
2006-10-19 10:02:30 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:02:20 CDT	168.68.10.17:5555	Administrator	system	Ended	0	343	
2006-10-19 10:02:19 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:02:09 CDT	168.68.10.17:5555	Administrator	system	Ended	0	375	
2006-10-19 10:02:09 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:01:59 CDT	168.68.10.17:5555	Administrator	system	Ended	0	344	
2006-10-19 10:01:58 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:01:48 CDT	168.68.10.17:5555	Administrator	system	Ended	0	344	
2006-10-19 10:01:48 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:01:47 CDT	168.68.10.17:5555	Administrator	system	Ended	0	94	
2006-10-19 10:01:47 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	
2006-10-19 10:01:38 CDT	168.68.10.17:5555	Administrator	system	Ended	0	375	
2006-10-19 10:01:38 CDT	168.68.10.17:5555	Administrator	system	Started	0	0	

11-2.2.12 Log files for previous days

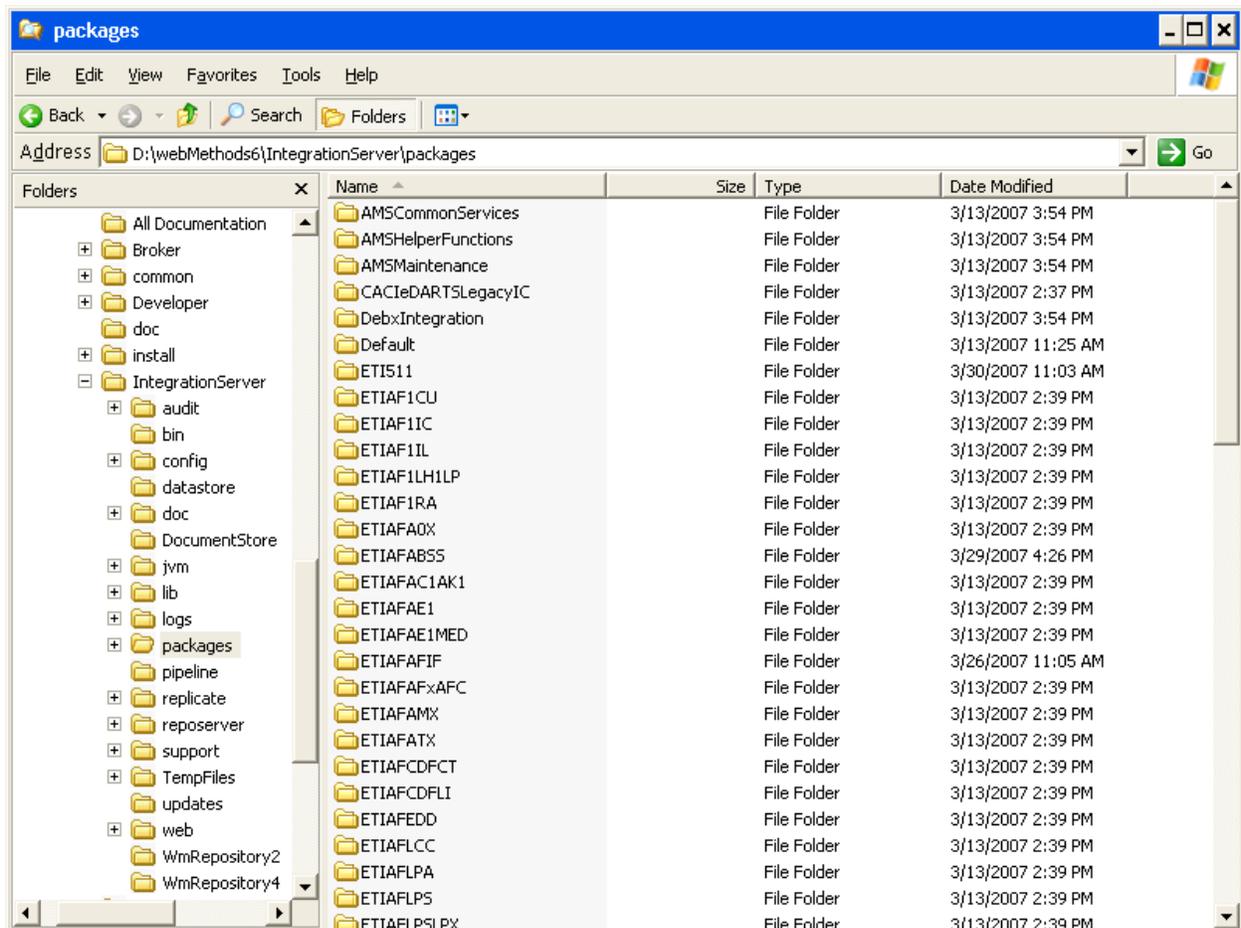
Sometimes Adapter logs from previous days are necessary to help troubleshoot issues. As stated before, Server logs and Error logs for the Adapter are located at **D:\webMethods71\IntegrationServer\logs**.

11-2.2.13 Translator Log files

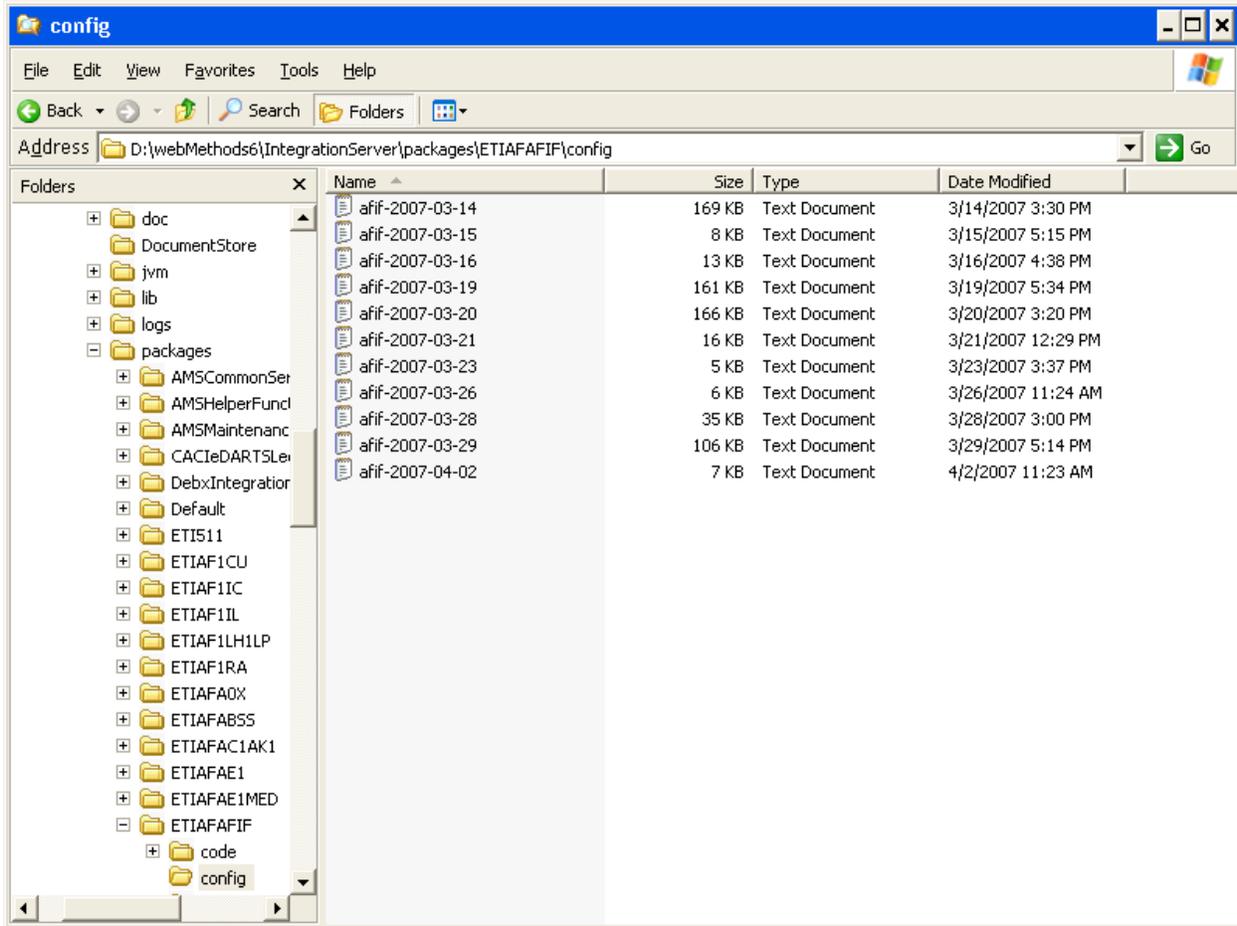
Other translator logs can be found within the specific “ETIAF” translator folder in the **D:\webMethods71\IntegrationServer\packages** directory. The log files are located in the “config” folder under each “ETIAF” folder.

➤ For example, to view the **11L** log file:

1. Open up a Windows Explorer window.
2. Navigate to **D:\webMethods71\IntegrationServer\packages** where a list of packages will be listed. All Air Force packages will begin with “ETIAF”.



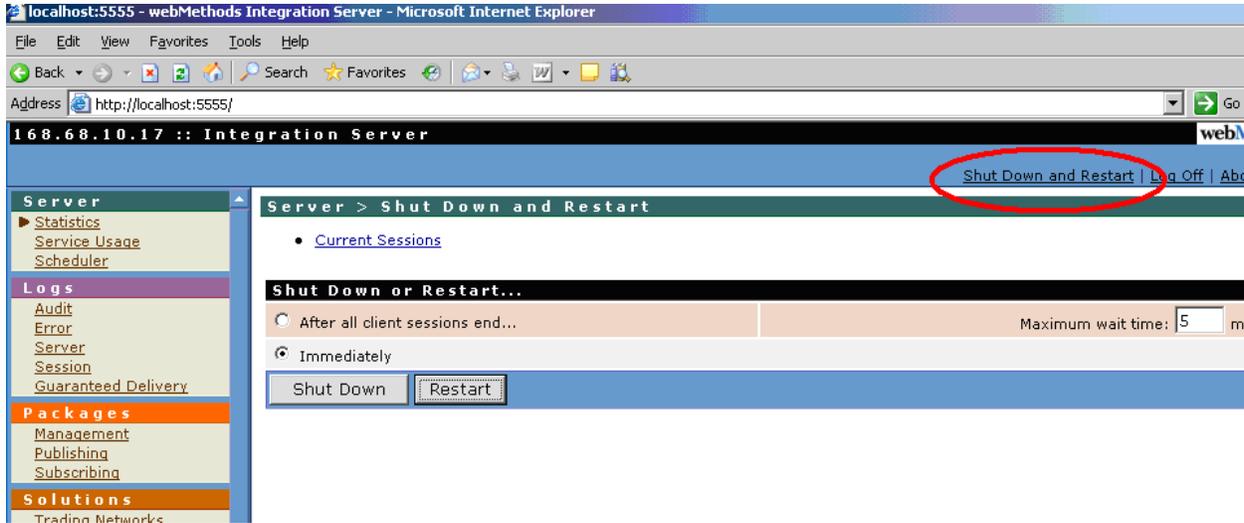
3. Open the “config” folder within the specific “ETIAF” translator folder to view the log files for that specific translator.



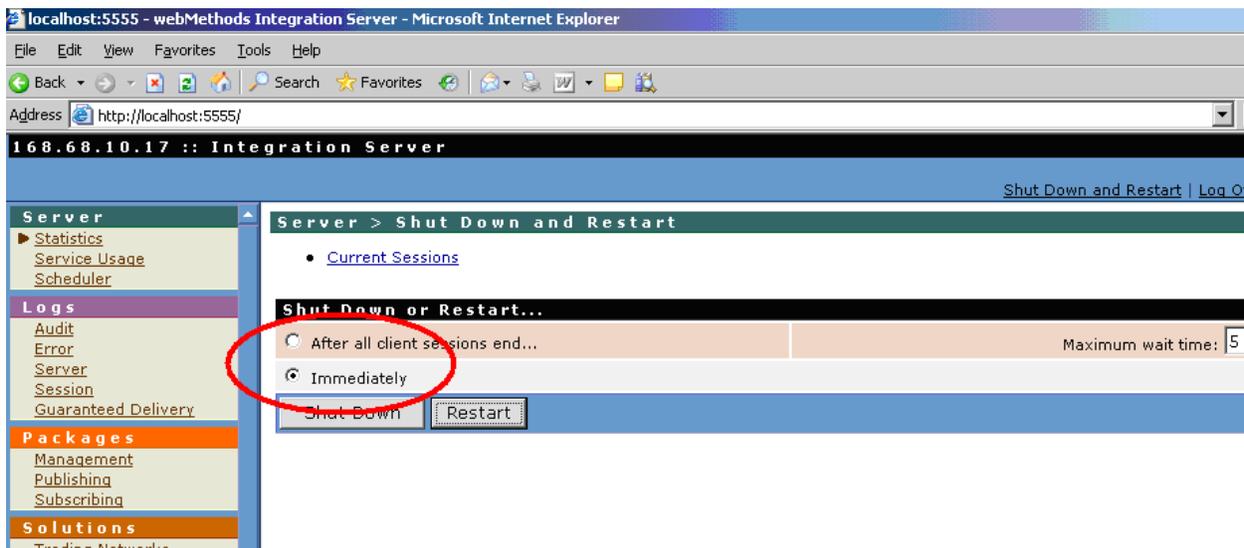
11-2.2.14 Restarting the webMethods Integration Server

Another common task you will have to run when administering the webMethods Integration Server is to shut down or restart the Integration Server.

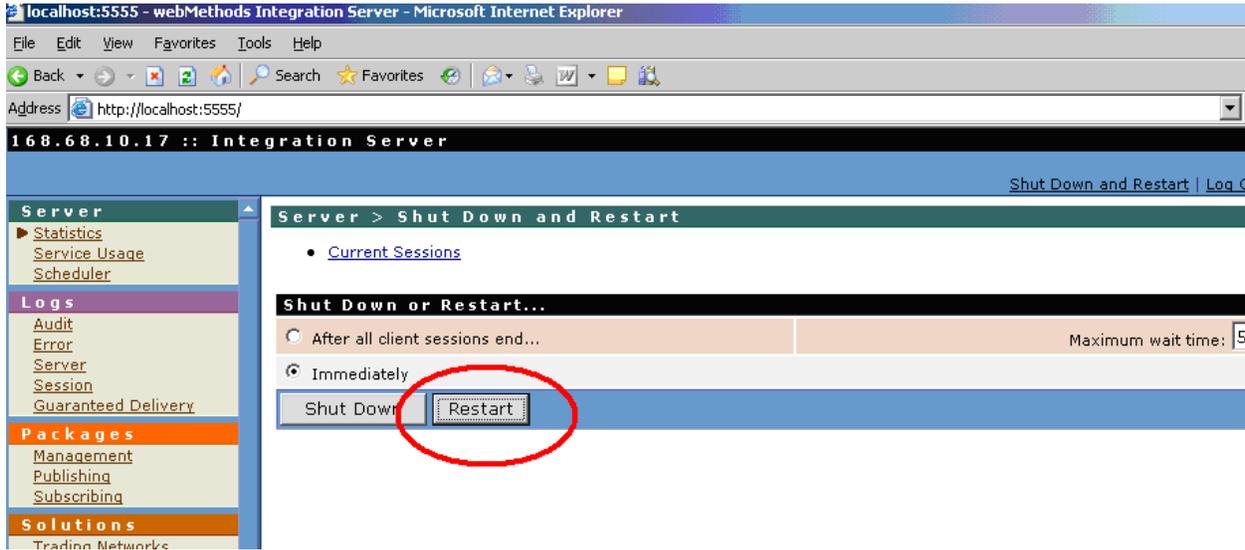
- To restart the webMethods Integration Server:
 1. Log in to the webMethods Administrator page.
 2. On the top right, select the “Shut down and restart” link.



3. Select the “Immediately” radio button.



4. Click the **[Restart]** button.



5. The message “Server restart is in progress” will appear.

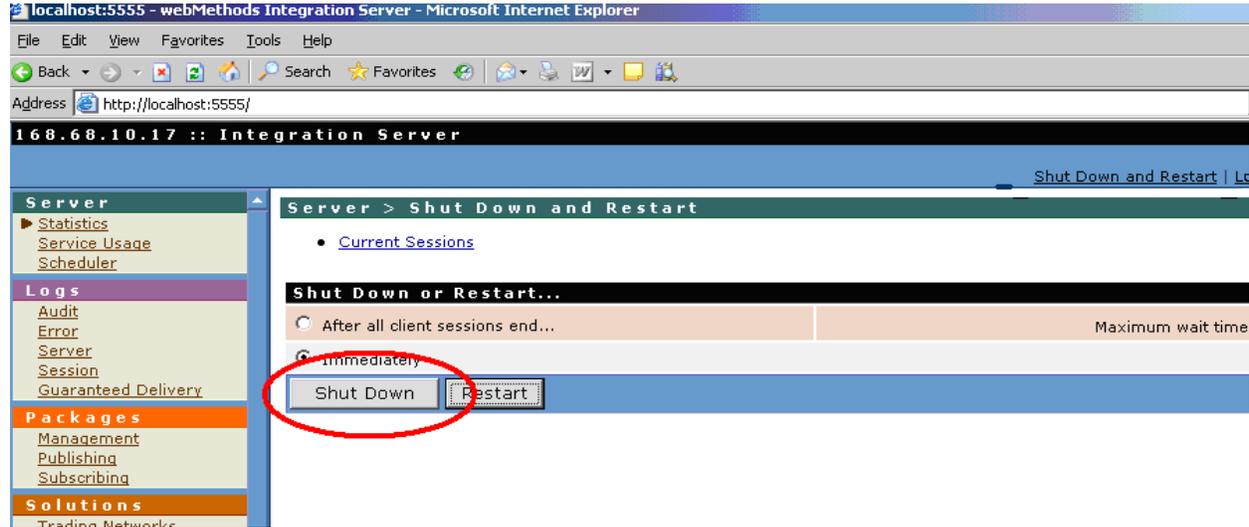


11-2.2.15 Shutting Down the Integration Server

To shut down the Integration Server:

1. Log into the webMethods Administrator page.
2. On the top right, select the “Shut down and restart” link.
3. Select the “Immediately” radio button.

4. Click the **[Shut Down]** button.



5. The message “Server shutdown is in progress” will appear.

11-2.2.16 Shutting Down the Integration Server Service

If you shut down the Integration Server using the webMethods Administrator, the webMethods Integration Server Windows service should already be stopped. However, you may still need to stop the webMethods Integration Server Windows service manually.

To shut down the webMethods Integration Server:

1. From the Windows desktop, select **Start → Settings → Control Panel → Administrative Tools → Services**.
2. Find the **webMethods Integration Server 7.1, port 5555** service in the services window.
3. Right click and select “Stop.”

11-2.3 webMethods Broker

The webMethods Broker, or Message Broker, enables client applications to share information in a common manner. It mediates requests among translators as well as other network information resources. These resources communicate only with the Message Broker, and not with each other. When an integration component publishes a document, the Message Broker automatically routes, queues, and filters documents based on which Broker clients or integration components have subscribed to that document. For example, when a document is published to the Message Broker, the Broker checks which clients have subscribed to that particular document, and places it in the appropriate client queues. The webMethods Broker services must be running before you start or stop the webMethods Integration Server.

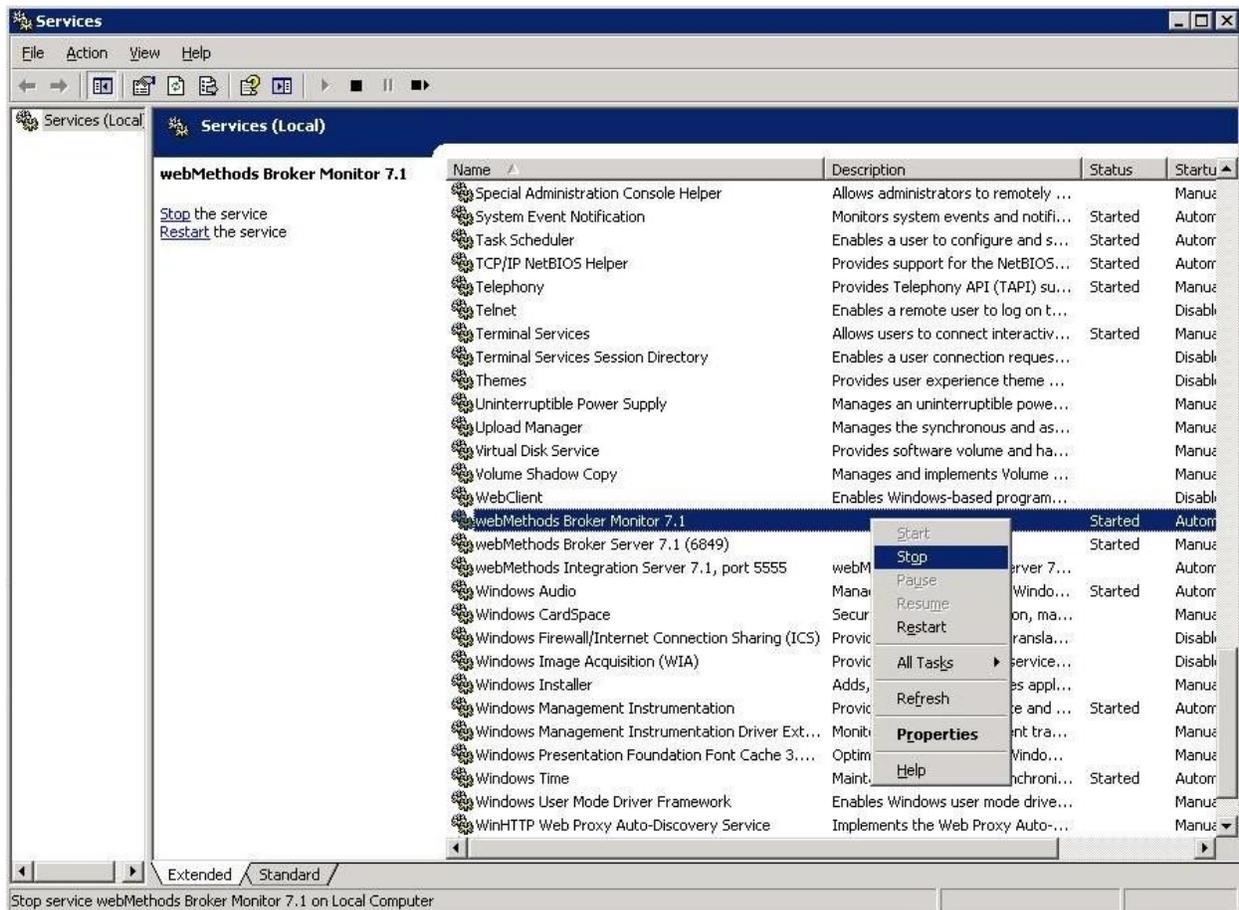
11-2.3.1 Stopping the webMethods Broker Service

Once you start the webMethods Broker services, the broker will continue to run in the background while other Adapter services run.

Note: The webMethods Integration Server service should be stopped before stopping the webMethods Broker.

➤ To stop the webMethods Broker:

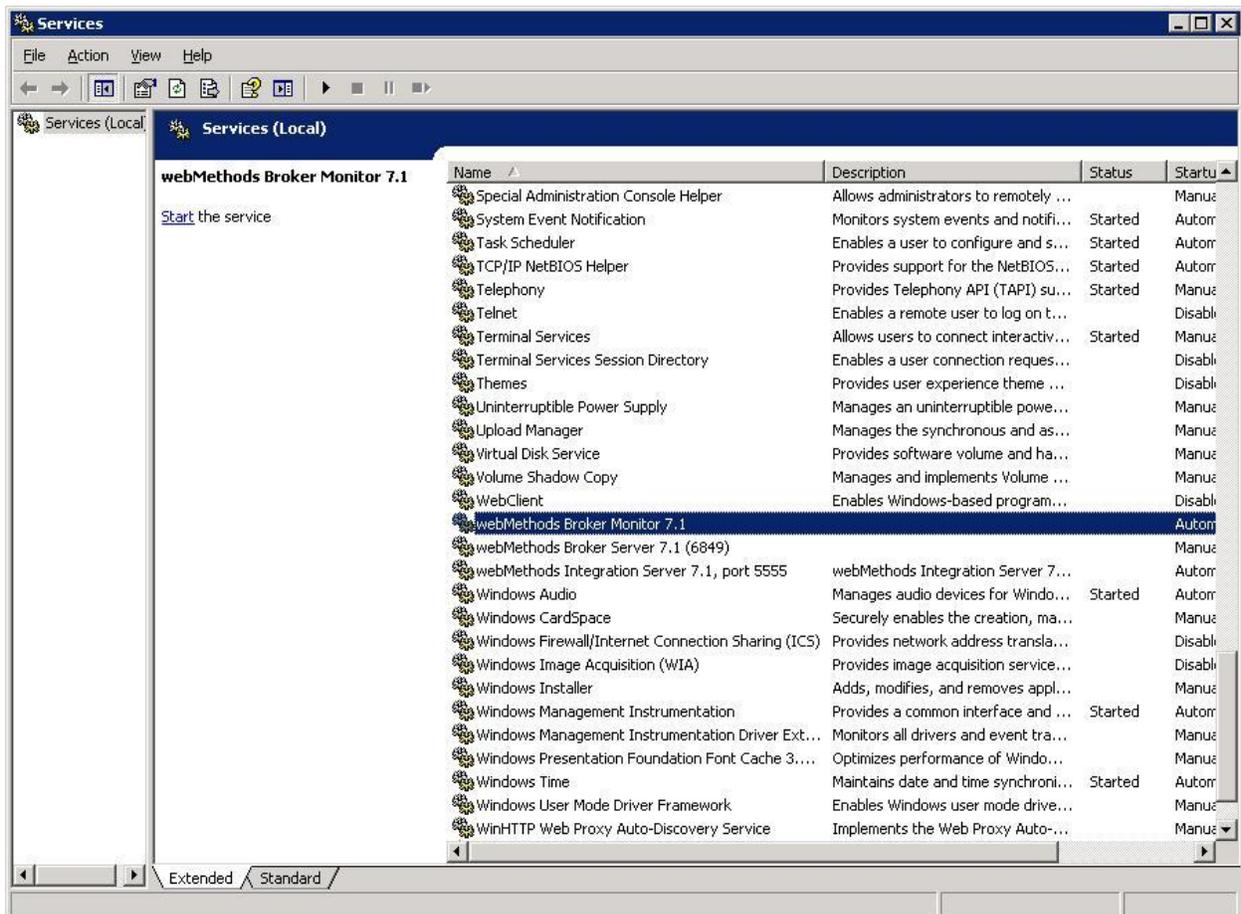
1. From the Windows desktop, select **Start → Settings → Control Panel → Administrative Tools → Services**.
2. Find the **webMethods Broker Monitor 7.1** in the services window.
3. Right click and select “Stop.”



- This will open a “Stop Other Services” window.



- Click the [Yes] button. The webMethods Broker Server and webMethods Broker Monitor services are stopped.



11-2.3.2 Checking for the LOCKFILE

If you shut down the Integration Server by only stopping the webMethods Integration Server service and not by using the webMethods Administrator, the Integration Server may not shutdown gracefully. As a result, a file named LOCKFILE, which is created to prevent the Integration Server from starting multiple times, is not cleaned up prior to the shutdown. If you attempt to start the Integration Server without manually removing this file, the Integration Server will not start.

To check for the Lockfile file:

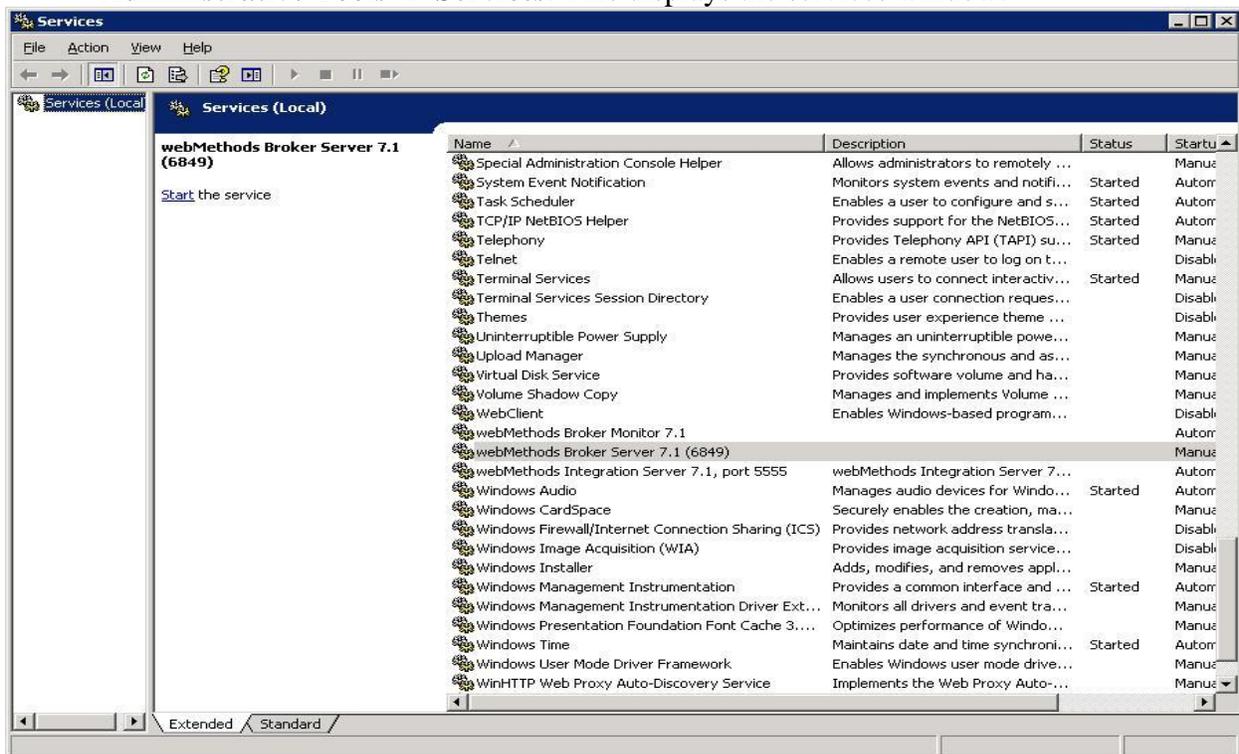
1. Go to **D:\webMethods71\IntegrationServer** and locate the LOCKFILE.
2. If there is a LOCKFILE, right click on it and select “Delete.”

11-2.3.3 Starting the webMethods Broker

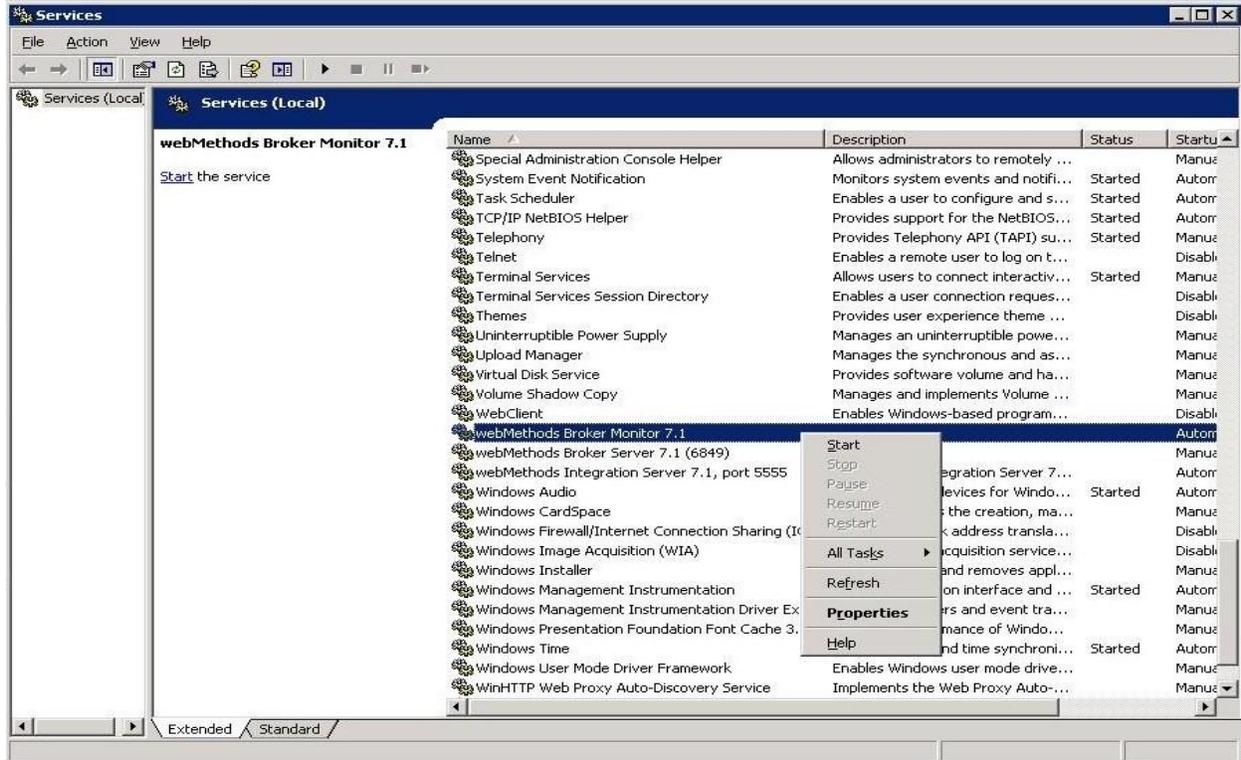
The webMethods Broker Monitor 7.1 service and the webMethods Broker Server 7.1 service are configured so that starting or stopping the webMethods Broker Monitor 6.1 service automatically starts or stops the webMethods Broker Server 7.1 service.

To start the webMethods Broker:

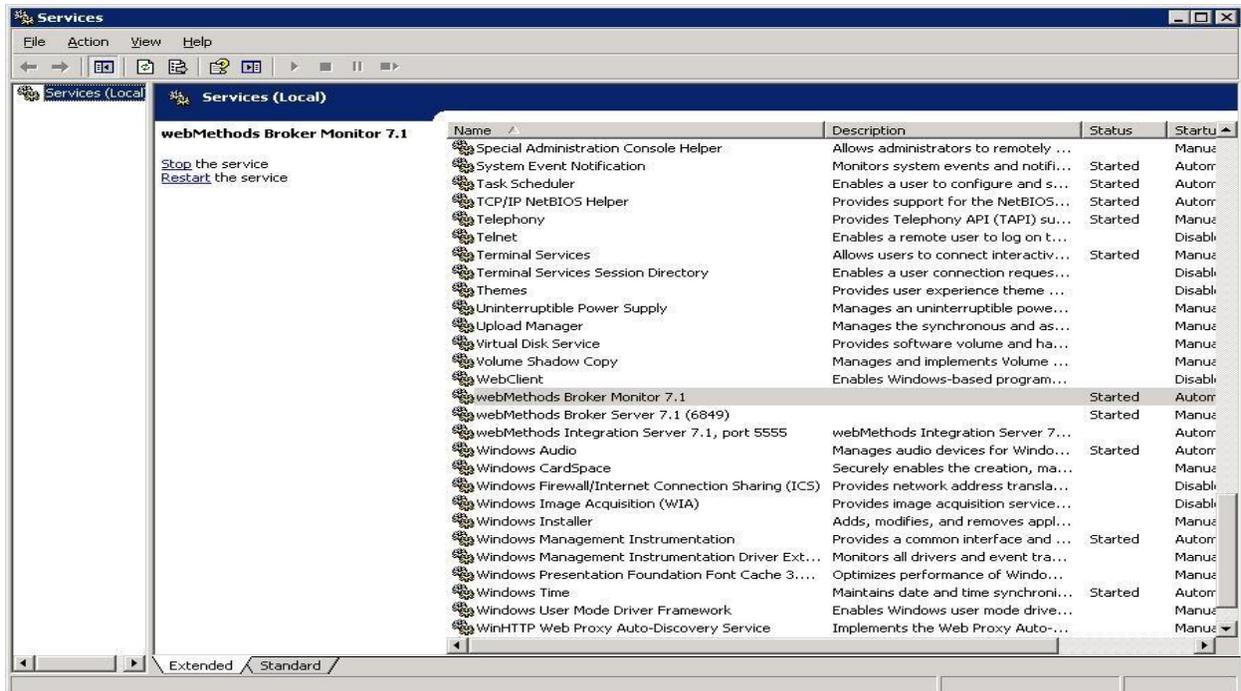
1. From the Windows desktop, select **Start → Settings → Control Panel → Administrative Tools → Services**. This displays the services window.



2. Find the webMethods Broker Monitor 7.1 service in the services window.
Right click and select “Start.”



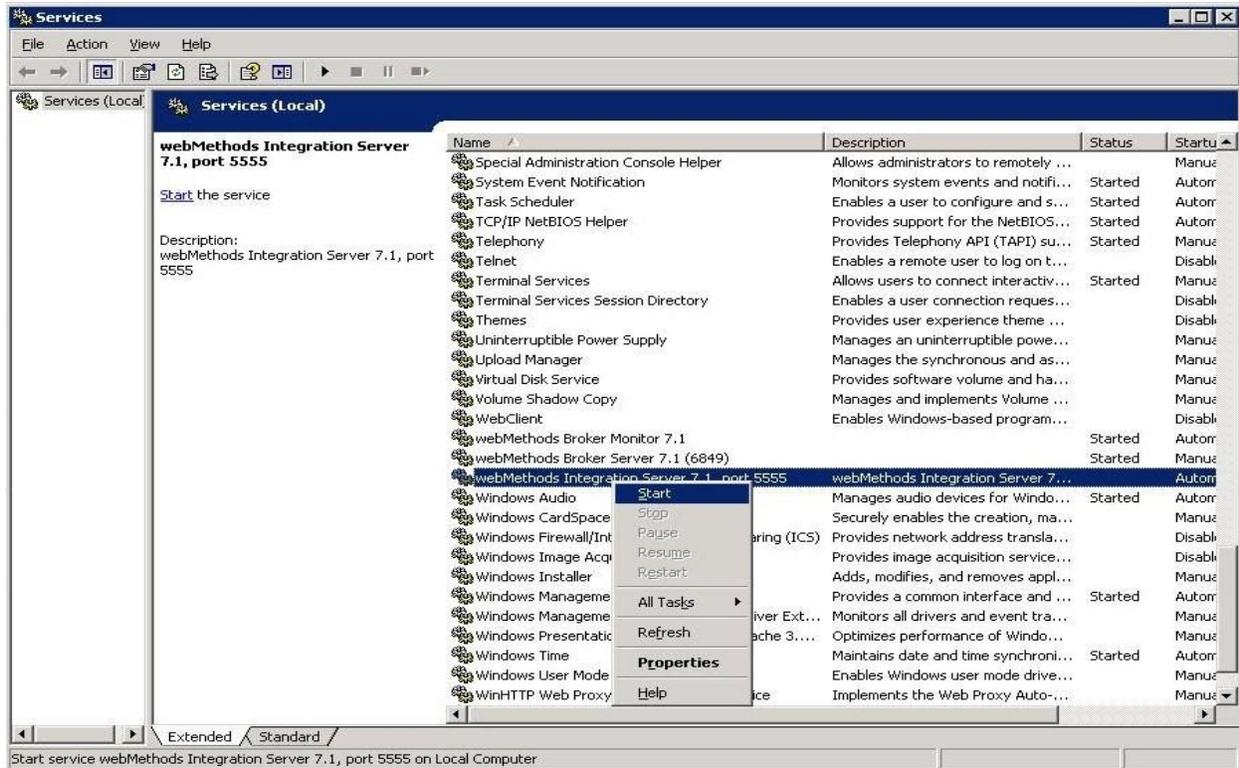
3. Note that this also starts the webMethods Broker Server 7.1 service. In the status column, both the webMethods Broker Monitor 7.1 and the webMethods Broker Server 7.1 services show as “Started.”



11-2.3.4 Starting the webMethods Integration Server

To start the webMethods Integration Server:

1. From the Windows desktop, select **Start → Settings → Control Panel → Administrative Tools → Services**. This displays the services window.
2. Find the webMethods Integration Server 7.1, port 5555 service in the services window.
3. Right click and select “Start.”



4. In the status column, the webMethods Integration Server 7.1, port 5555 service will show as “Started.” **It may take several minutes for the service to start completely depending on the server’s performance.**
5. You can check the server log file in the **D:\webMethods71\Integration Server\logs** directory to determine when the Integration Server has finished starting. Look for the message “Initialization completed in XXX seconds”.

11-2.3.5 Logging in to webMethods Broker Administrator

This interface allows you to verify webMethods Broker settings. The Broker settings should be finalized during installation and should not be changed.

To log in to the webMethods Broker Administrator page:

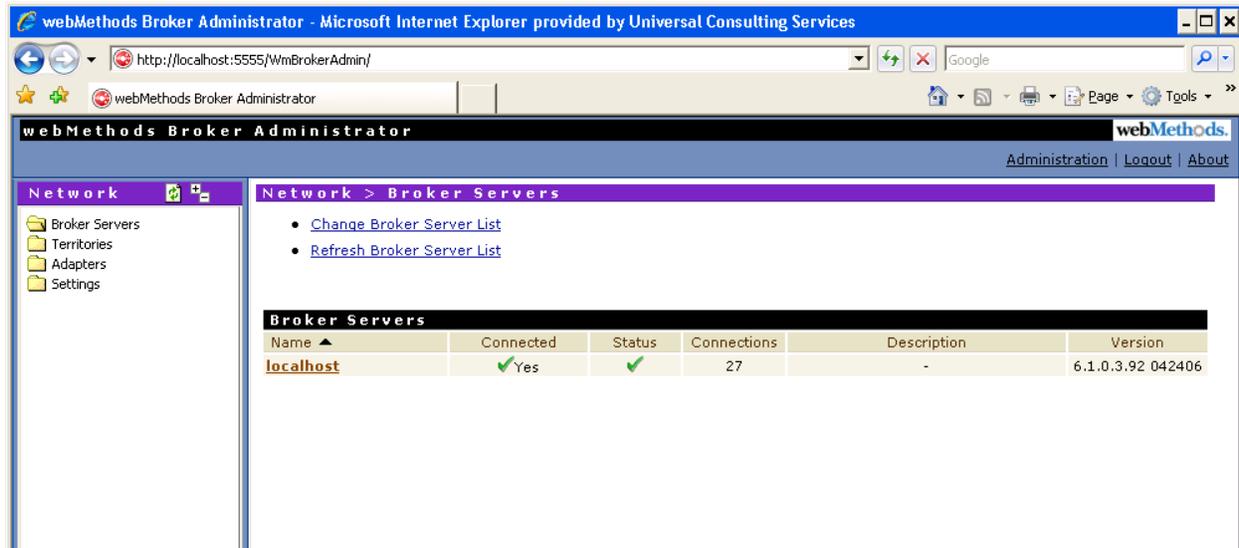
1. Open Internet Explorer.

2. Enter the URL **http://server:port/WmBrokerAdmin**, substituting the correct server name and port number (e.g., **http://localhost:5555**).

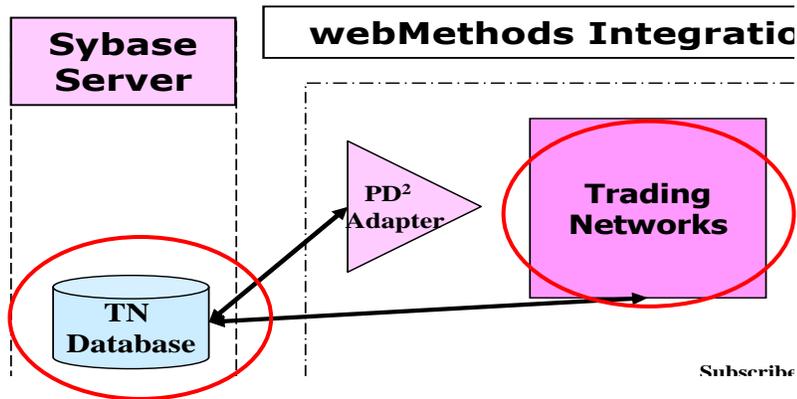
If the “Enter Network Password” screen does not show up, then the webMethods Integration Server is not running. Your browser will show an error message stating that “The page cannot be displayed.”



3. Once you log in, the webMethods Broker Administrator page displays.



11-2.4 webMethods Trading Networks



The webMethods Trading Networks component enables the PD² Adapter site to link with other external systems (buyers, suppliers, and strategic partners) and marketplaces to form a business-to-business trading network. The organizations within the network are referred to as Trading Partners. Trading Partners are not required in the standard JPMO configuration. The PD² Adapter site can exchange business documents with Trading Partners within the network to relay mission critical production information.

During installation of the PD² Adapter, webMethods Trading Networks is configured so that it can communicate between the webMethods Integration Server and the PD² database. This is critical for successful insertion into and extraction from the PD² database.

11-2.4.1 Trading Networks Server

The webMethods Integration Server acts as the Trading Networks Server after Trading Networks has been installed. The Trading Networks Server hosts services for building, managing, and analyzing a trading network.

The Trading Networks Server handles the management of partners within the trading network and the exchange of documents. Access to the server is through the Trading Networks Console or Trading Networks Web Manager.

11-2.4.2 Trading Networks Console

The Trading Networks Console is the main user interface and administration tool for Trading Networks. The Trading Networks Console provides the capability to perform functions such as managing your trading partners, configuring how documents are exchanged through the network, and performing real-time monitoring and analysis.

Another interface for Trading Networks, the Trading Networks Web Manager, is accessible from the webMethods Integration Server Administrator. However, this interface offers less functionality than the Trading Networks Console.

11-2.4.3 Trading Networks Database

Trading Networks uses a relational database to store all information about the trading network and partner information, the types of documents to process, how to process business documents, information about business documents that pass through the network, and log information. The PD² Adapter utilizes a Sybase database to serve as the Trading Networks database. The PD² database and Configuration Data Repository are housed on the same Sybase server.

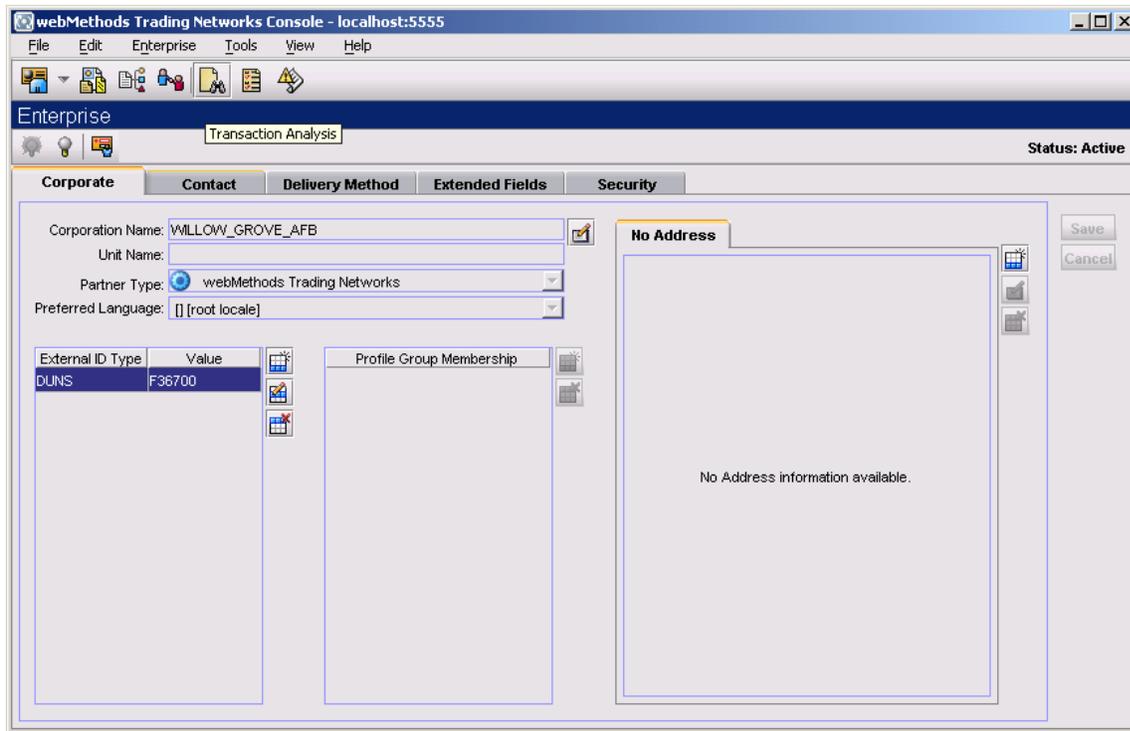
11-2.4.4 Logging in to the Trading Networks Console

Log in to the Trading Networks Console:

1. From the Windows desktop, select **Start → Programs → PD2 Adapter → webMethods Trading Networks Console 7.1.**
2. Enter the server:port information, along with the username and password.



3. The webMethods Trading Networks window opens.

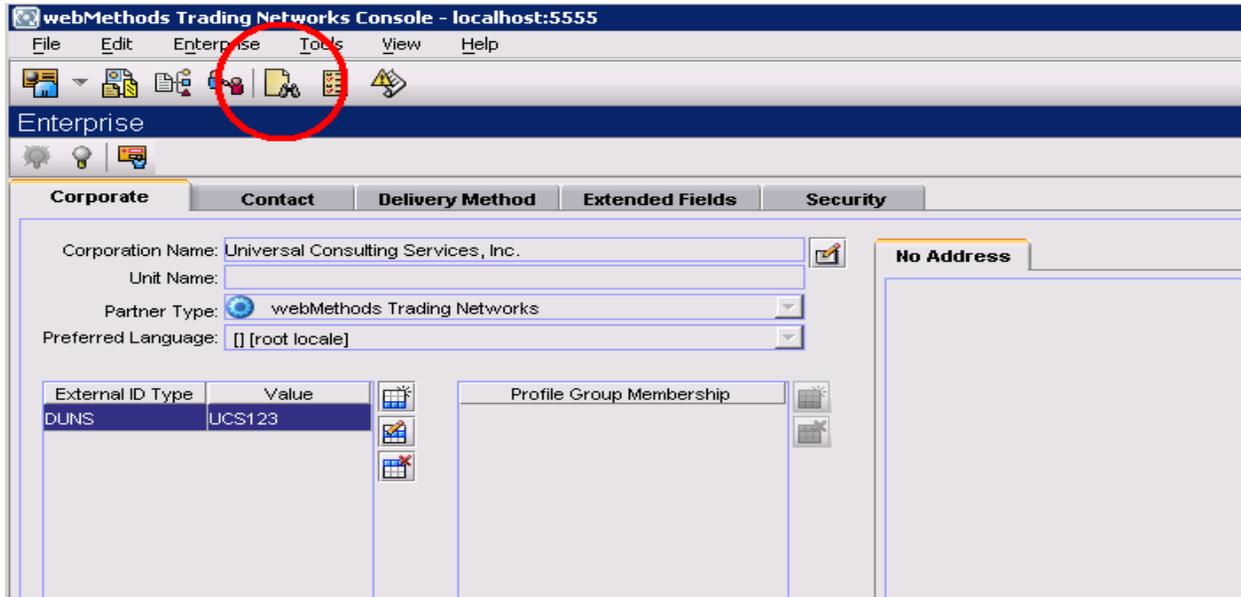


11-2.4.5 Locating files in Trading Networks

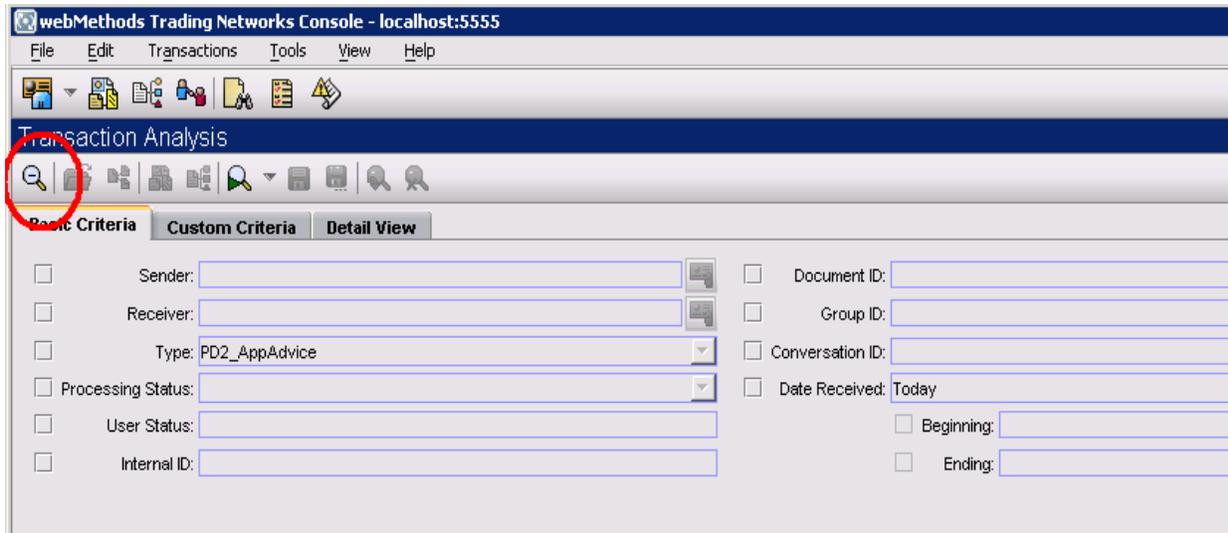
This demonstrates the starting point for troubleshooting Trading Networks. If a file is not being extracted or inserted correctly, one reason may be that Trading Networks is not set up correctly. If the file does show up in Trading Networks, then it is configured correctly. If the file does not show up, then you may need to alter Trading Networks configurations.

11-2.4.6 Locating files in Trading Networks:

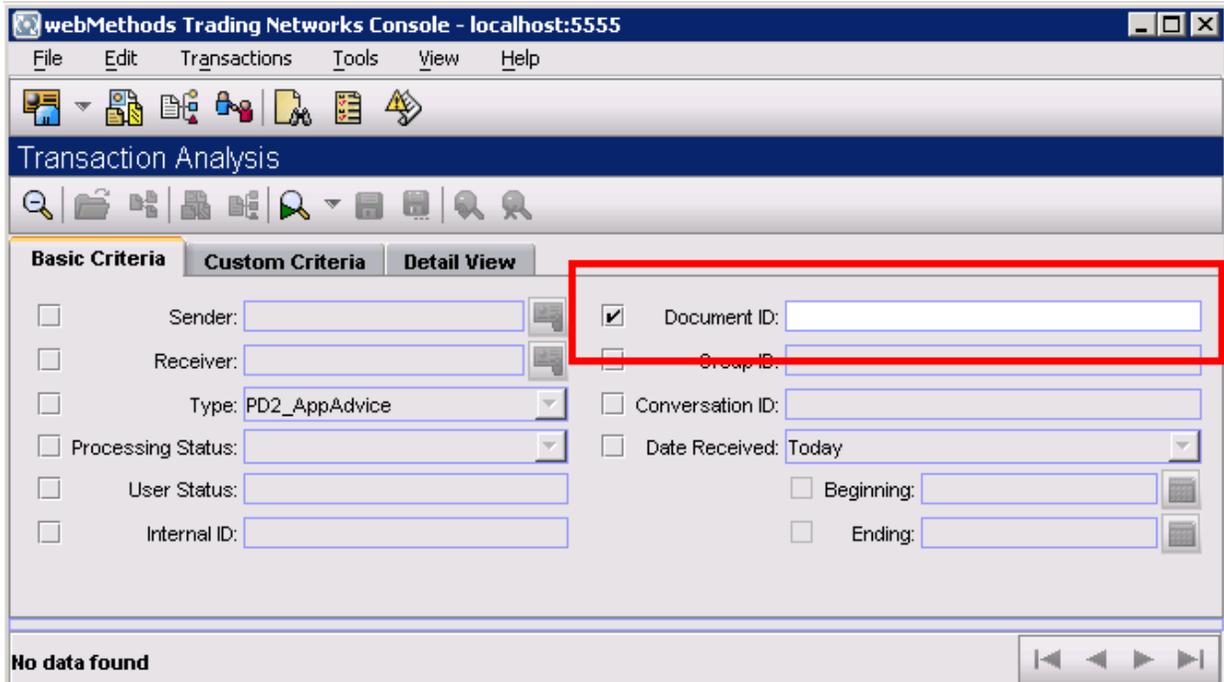
1. Log in to the Trading Networks Console.
2. Click the “Transaction Analysis” button.  A new Transaction Analysis window will open.



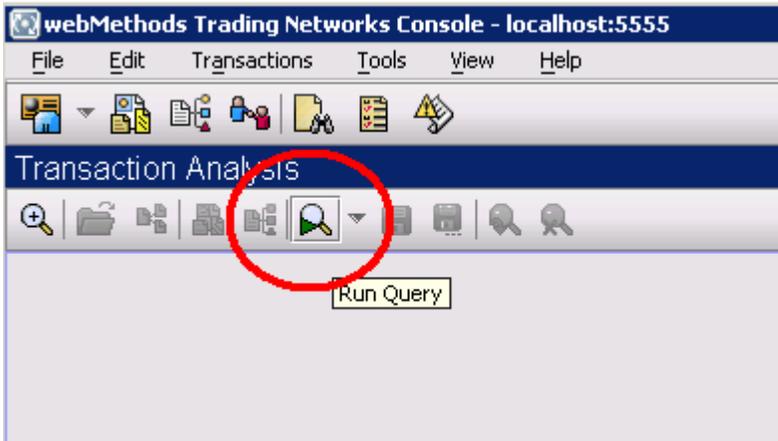
3. Click the show/hide query button. 



4. Select checkbox (e.g. “Document ID”) to include it in the query. Fill out appropriate field(s).



5. Click the Run Query button.



6. The screen will show the transactions going across the trading network.

Date Received	Document Type	Sender	Receiver	Processing Status	User Status	Document ID	Group ID	Conversation ID
2006-10-18 10:14:55.28	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: F5P3CE5...		
2006-10-18 09:19:08.793	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: 0010FB2...		
2006-10-18 09:19:08.623	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: Unknown		
2006-10-18 09:19:08.467	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: F5P3CM...		
2006-10-18 09:19:08.263	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: F5P3CE5...		
2006-10-18 09:19:07.903	PD2_Error	Unknown	WILLOW_GROV...	DONE	Error from Tran...	ABSS: F5P3CE5...		
2006-09-28 16:25:55.06	PD2_AwardMod...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-28 16:25:50.467	PD2_AwardMod...	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-28 10:29:57.733	PD2_AwardMod...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-28 10:29:53.92	PD2_AwardMod...	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-28 10:05:55.217	PD2_AwardMod...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-28 10:05:49.327	PD2_AwardMod...	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:25:30.077	PD2_AwardMod...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:25:27.703	PD2_AwardMod...	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:17:29.937	PD2_AwardMod...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:17:23.857	PD2_AwardMod...	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:09:25.75	PD2_AwardMPr...	WILLOW_GROV...	Broker	DONE	Submitted to Br...	FA6637-06-P-0...		
2006-09-20 11:09:20.373	PD2_Award	WILLOW_GROV...	Unknown	DONE	Submitted to Br...	FA6637-06-P-0...		

Page 1 of 1 (Item 1-18 of 18)

11-2.4.7 Viewing transaction information in Trading Networks

Once you locate a document in Trading Networks, you can view the details associated with that transaction.

11-2.4.8 Viewing transaction details:

1. In the Transaction Analysis window, double click the row of the transaction you wish to view.
2. The Document Details screen has four tabs: Attributes, Content, Activity Log, and Tasks. The Tasks tab is not used in the standard Adapter installation because “reliable delivery” is not activated.

- **Attributes tab**

The Attributes tab is the default tab for the Document Details window. The tab contains general information about the XML document that was transmitted or received.

Name	Value
Date Received	2006-11-09 16:25:33.233
Document ID	F02604-07-C-0003
Document Type	PD2_Award
Group ID	<null>
Conversation ID	<null>
Last Modified	2006-11-09 16:25:33.263
Processing Status	DONE
Receiver	Unknown
Sender	Universal Consulting Services, Inc. ()
Original Sender	UCS123
Original Receiver	<null>
Signature	<null>
User Status	Submitted to Broker for Processing.
Internal ID	0agrp6001r79p0cj0000007r
Pd2SystemReceiver	PD2SystemReceiver
Pd2SystemSender	SPS_422_DB_ALIAS

- **Content Tab**

The Content tab displays the actual XML file associated with the transaction.

Name	Length	Type	Storage Type	Storage Reference
xmldata	7,957	text/xml; charset=UTF8		

Part: xmldata (7,957 bytes)

```

<?xml version="1.0" encoding="UTF-8" ?>
<Document>
  <Award>
    <DocumentBase>
      <DocumentNumber>F02604-07-C-0003</DocumentNumber>
      <DocumentTitle>Construction Contract Award</DocumentTitle>
      <DocumentType Desc="Construction Contract Award">42A</DocumentType>
      <DocumentDetail>
        <AppliedStatus Desc="Base document released">R</AppliedStatus>
        <Approval>Y</Approval>
        <ChangeFlag>0</ChangeFlag>
        <Conform>1</Conform>
        <CreationDate>2006-11-09 16:23:47</CreationDate>
        <Creator>wreyes</Creator>
        <Description>Construction Contract Award</Description>
        <DocumentObjectClass>PreAward</DocumentObjectClass>
        <EffFlag>1</EffFlag>
        <ElectronicDocument>0</ElectronicDocument>
        <Format Desc="Construction SI Format">CSI</Format>
        <FundingLocation Desc="Line Item">L</FundingLocation>
        <FundsCertified>1</FundsCertified>
        <LineItemCount>1</LineItemCount>
        <Owner>wreyes</Owner>
        <OwnerDetails>
          <FirstName>William</FirstName>
          <LastName>Reyes</LastName>
          <FullName>William Reyes</FullName>
        </OwnerDetails>
      </DocumentDetail>
    </DocumentBase>
  </Award>
</Document>
    
```

▪ **Activity Log Tab**

The Activity Log tab shows all trading network activities associated with the transaction. If an error occurs during the transaction, you can see it here.

Timestamp	Type	Class	Brief Message	User Name
2006-11-09 16:25:33.233	Error	Recognition	Transform Failed	Administrator
2006-11-09 16:25:33.233	Message	Processing	Routing rule PD2 Outbound...	Administrator
2006-11-09 16:25:33.25	Error	Delivery	No preferred protocol. St...	Administrator
2006-11-09 16:25:33.25	Message	General	Document persisted	Administrator
2006-11-09 16:25:33.263	Message	General	Processing complete	Administrator
2006-11-09 16:25:33.263	Message	General	Status changed	Administrator
2006-11-09 16:25:33.263	Message	General	Queued for polling (REC)	Administrator
2006-11-09 16:25:33.263	Message	General	Queued for polling (SND)	Administrator

▪ **Tasks Tab**

The Tasks tab displays information recorded for documents that are delivered using reliable delivery. If the document is not delivered using reliable delivery, this tab will be blank.

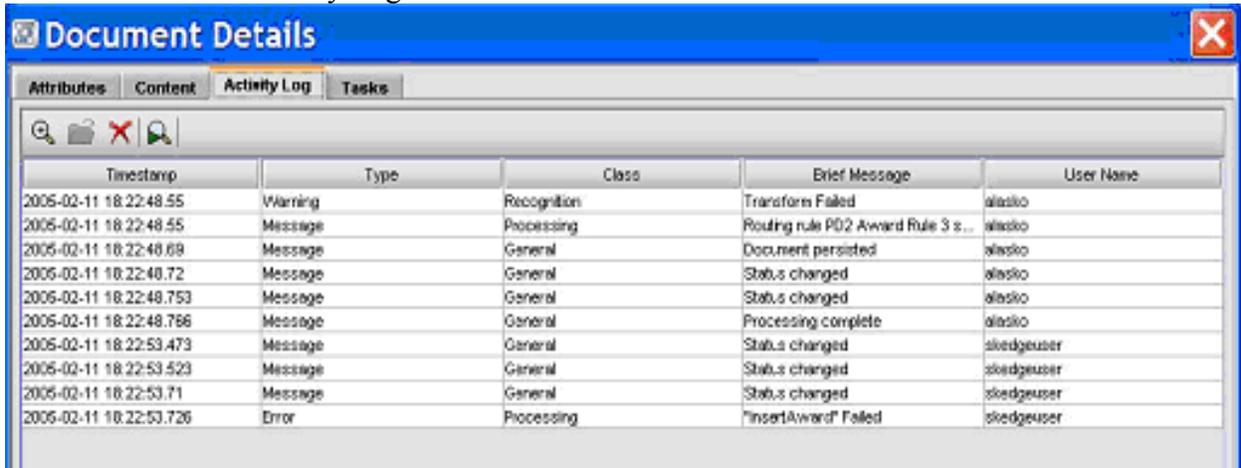
11-2.4.9 Trading Network Errors

Viewing errors associated with specific documents

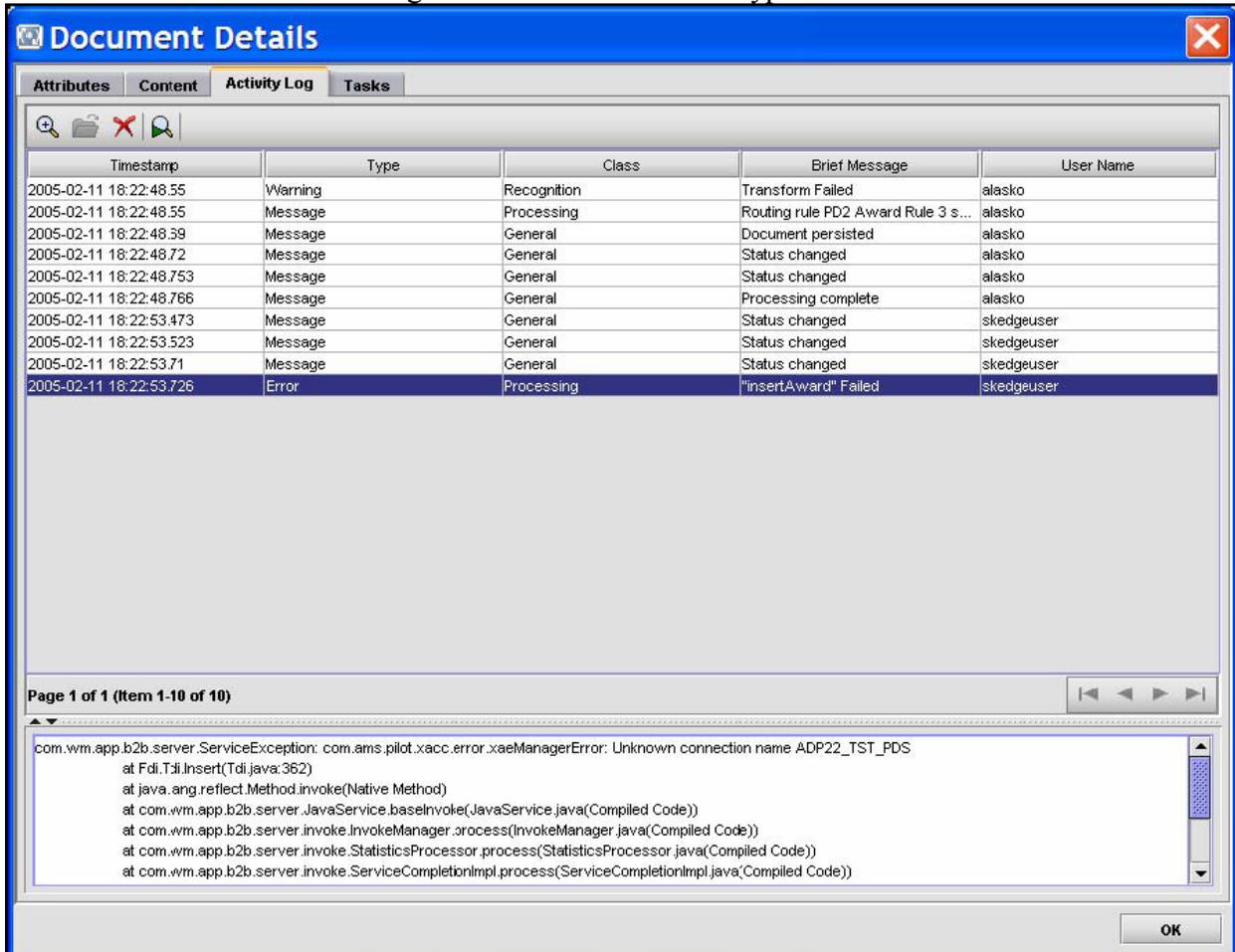
1. Locate the document in Transaction Analysis.
2. Double click on the row of the document to be viewed. The Document Details window will open.

Name	Value
Date Received	2005-02-12 14:35:52.273
Document ID	PRRECONCASE88
Document Type	PD2_Reconciliation
Group ID	<null>
Conversation ID	<null>
Last Modified	2005-02-12 14:36:34.396
Processing Status	DONE
Receiver	Sabertooth webMethods 6.1 ()
Sender	Unknown
Original Sender	<null>
Original Receiver	SS561
Signature	<null>
User Status	Reconciliation Document processed.
Internal ID	510cgr0008413ar10000051q
Pd2SystemReceiver	ADP22_TST_PD
Pd2SystemSender	<null>
ActionType	REQUEST

3. Click the “Activity Log” tab.



4. Select the row containing the value “error” in the Type column.



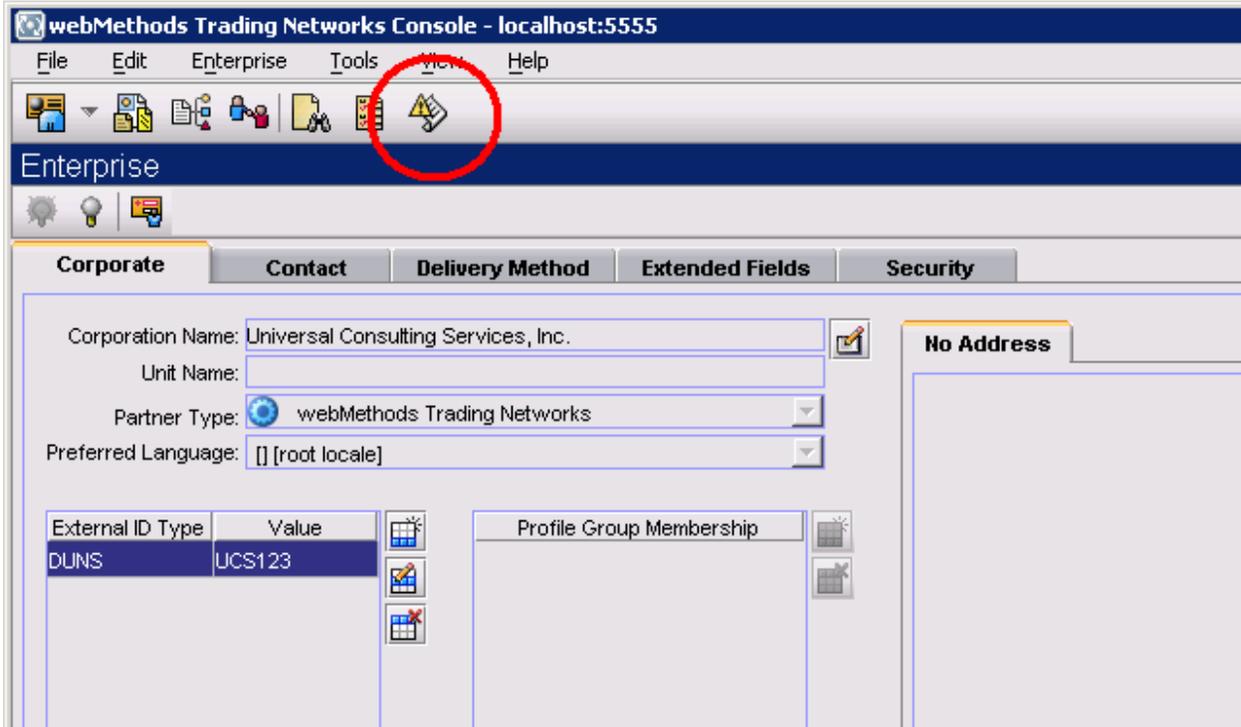
The error detail shows in the Selected Log Entry panel.

Note: In addition to viewing the Activity Log, you can view the Content tab for possible errors.

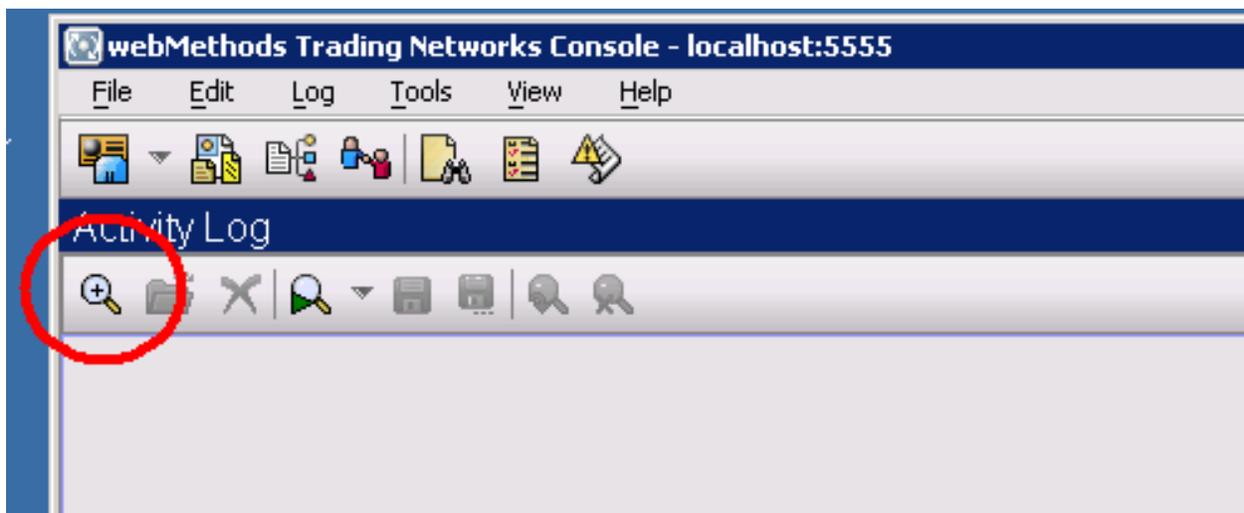
11-2.4.10 Viewing all Trading Network errors

Log in to the Trading Networks Console (see [Section 11-2.4.2](#)).

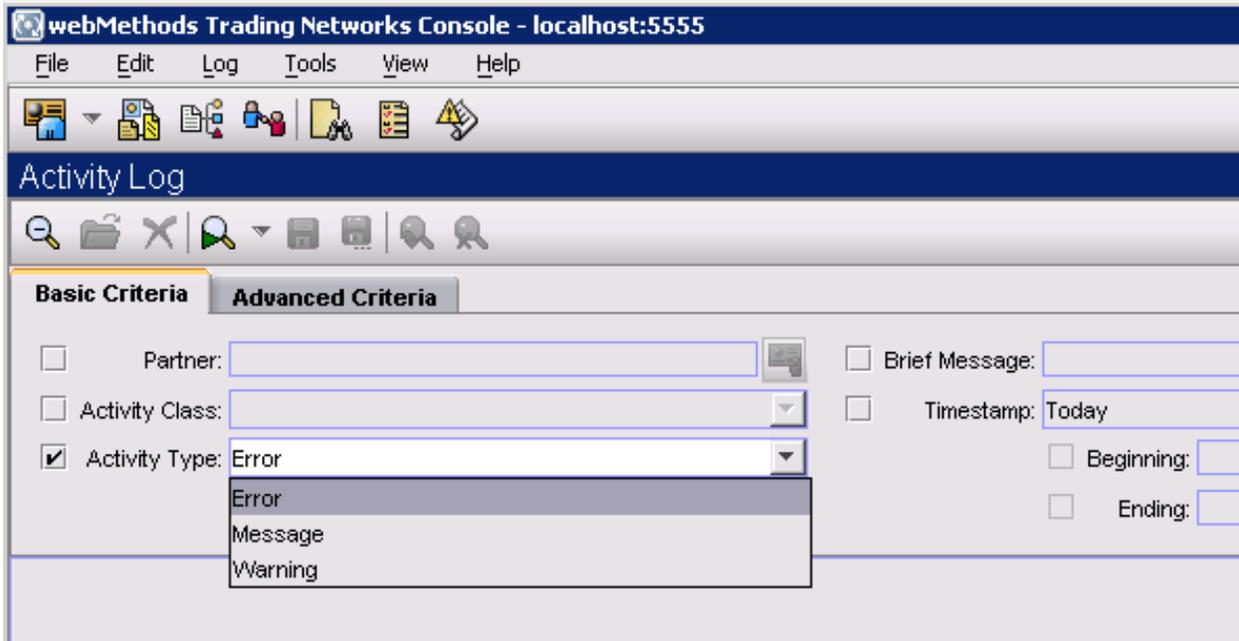
1. Click the “Activity Log” button.



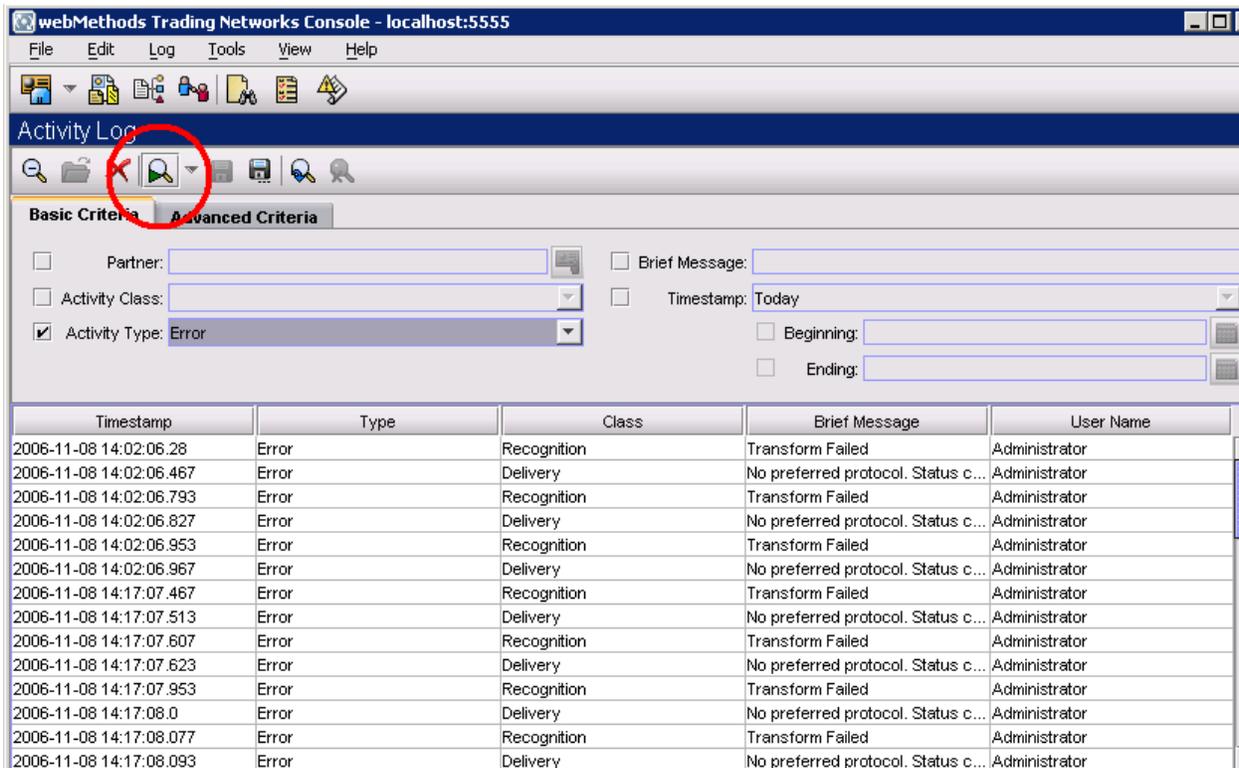
2. Click the “Show/Hide Query” button.



3. Check the “Activity Type” box and select “Error” from the drop down box.



4. Click the “Run Query” button. A list of all Trading Networks errors displays.



5. Select a row. The appropriate error message detail will show in the Full Message panel.

The screenshot shows the 'Activity Log' application window. It has a toolbar at the top and two tabs: 'Basic Criteria' and 'Advanced Criteria'. Under 'Basic Criteria', there are search filters for Partner, Activity Class, Activity Type (set to 'Error'), Brief Message, and Timestamp (set to 'Today'). Below the filters is a table with columns: Timestamp, Type, Class, Brief Message, and User Name. The table contains 14 rows of error messages. The first row is selected. Below the table, it says 'Page 1 of + (Item 1-50 of +)'. A detailed view of the selected row is shown in a text box below the table.

Timestamp	Type	Class	Brief Message	User Name
2006-11-08 14:02:06.28	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:02:06.467	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:02:06.793	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:02:06.827	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:02:06.953	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:02:06.967	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:17:07.467	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:17:07.513	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:17:07.607	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:17:07.623	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:17:07.953	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:17:08.0	Error	Delivery	No preferred protocol. Status c...	Administrator
2006-11-08 14:17:08.077	Error	Recognition	Transform Failed	Administrator
2006-11-08 14:17:08.093	Error	Delivery	No preferred protocol. Status c...	Administrator

Page 1 of + (Item 1-50 of +)

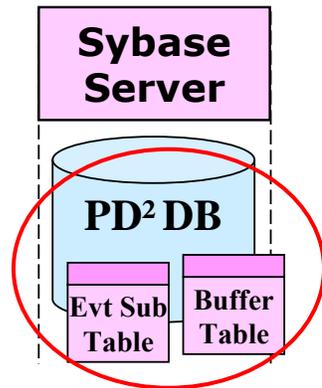
Transform for ReceiverID of doctype PD2_Award failed to produce a value. The transform function was FN_PARTNER_LOOKUP, the first original value was TNReceiver.

6. Double click the row to see the document details on the Attributes tab.

The screenshot shows the 'Document Details' application window. It has a toolbar at the top and four tabs: 'Attributes', 'Content', 'Activity Log', and 'Tasks'. The 'Attributes' tab is selected, showing a table of document metadata. The table has columns: Name and Value.

Name	Value
Date Received	2006-11-08 14:02:06.327
Document ID	F36700-07-P-0001
Document Type	PD2_Award
Group ID	<null>
Conversation ID	<null>
Last Modified	2006-11-08 14:02:06.483
Processing Status	DONE
Receiver	Unknown
Sender	Universal Consulting Services, Inc. ()
Original Sender	UCS123
Original Receiver	<null>
Signature	<null>
User Status	Submitted to Broker for Processing.
Internal ID	0agrp6001r4f5k5p0000001n
Pd2SystemReceiver	PD2SystemReceiver
Pd2SystemSender	SPS_422_DB_ALIAS

11-3 PD² DATABASE CHANGES



During the installation of the PD² Adapter, several changes are made to the PD² database. These changes are required for the PD² Adapter to properly function, and include the addition or modification of tables, stored procedures, and triggers. The changes enable the capture and subscription of events, or the generation of internal database IDs used for the insertion of incoming documents.

What is an **event**? An event is an action that happens with respect to the PD² business documents and causes a change in the status of the document. For example, the release of an award would be an event.

What is a **trigger**? A trigger is an automatically executed action in response to a user created event. Triggers are placed on various audit tables in the database and fire when a relevant event takes place in the database.

What is **polling**? Polling for extraction is the process of the PD² Adapter looking at the Buffer Table, specifically the status of the 'pol_flg' to identify new documents to be extracted.

WARNING: Manually altering the PD² database may negatively impact the functionality of the PD² Adapter. Upgrades to the PD² database must be done in conjunction with the PD² Adapter.

11-3.1 Tables

The tables added to the PD² database during installation of the PD² Adapter are discussed below. These tables store data related to the subscription and capture of database events, such as the release of an award.

The SQL script *PMOSqlScript* is run against the PD² database during installation of the PD² Adapter. The script installs new tables on the PD² database. In order to review or change these tables, they can be accessed via SQL Advantage or through the PD² Adapter Configuration website.

11-3.1.1 Event Subscription Table

The **Event Subscription Table**, also known as the *pd2_event_subscription_pmo* table, determines the destination within Trading Networks of documents and whether the events captured in the buffer table will cause the extraction of a document. An event is an action that happens with respect to PD² documents causing a change in the *status* of the document. An unreleased award changed to a released award is an example of a change in status of a document. After an event is recorded in the buffer table, the PD² Adapter verifies the event is subscribed to in the event subscription table. Documents are only extracted if the corresponding event is configured and enabled in the event subscription table. If multiple subscriptions exist for an event, the PD² Adapter extracts a document for each corresponding row in the table. This feature allows one event to trigger extractions to multiple sites. Configuration of the event subscription table can be done through the PD² Adapter Configuration website.

The following table provides a brief description of each field in the event subscription table.

Field Name	Description
number	Unique integer used to identify individual event subscriptions
enabled	Flag indicating if the event is enabled 0: disabled 1: enabled
obj_type	PD ² object type Note: If the <i>obj_type</i> column is populated, the <i>obj_grp_id</i> column will not be populated. Events are either defined by individual document types or by groups of related document types.
obj_grp_id	Identifier used to group PD ² objects of a similar type Note: If the <i>obj_grp_id</i> column is populated, the <i>obj_type</i> column will not be populated. Events are either defined by individual document types or by groups of related document types.
obj_grp_desc	Description of the object or object group
pd_event	Short code used to describe the PD ² database event ALL: extractAllUsers DE: Deletion RE: Release AP: Approval FAIL: Failure SN: Signature ASN: ACO Signature KSN: KO Signature TM: Termination CN: Cancellation NEW: New Org/Vendor UAP: Unapproval CO: Closeout PAS: UPD: Updated extractPrAwardStatus Org/Vendor DAP: Disapproved
type_in	Identifier used to determine which DTD should be used in the creation of the XML file
service_name	Name of the webMethods service called to process the event
ext_param	List of extraction parameters to apply during extraction of the document
tn_sender	TN External ID for the local site Value defined in the TN Profile

tn_receiver	TN External ID for the partner system Value defined in the TN Partner Profile
tn_doctype	TN document type A complete list of the TN document types can be viewed in the Trading Networks Console
pd2_system_sender	Database alias for the PD ² database from which the document is being extracted
pd2_system_receiver	Database alias for the PD ² database of the receiving system

At the time of the installation, the Event Subscription Table is configured and populated with data. The Data in the 'pd_event' column identifies the type of change in status that causes extraction of the document type identified in the corresponding 'obj_grp_desc'. For example, if the 'pd_event' is 'RE' and the 'obj_grp_desc' is 'Delivery Order (SF26)' for a specific row, then SF26 Delivery Order awards will be extracted by the PD² Adapter following their release.

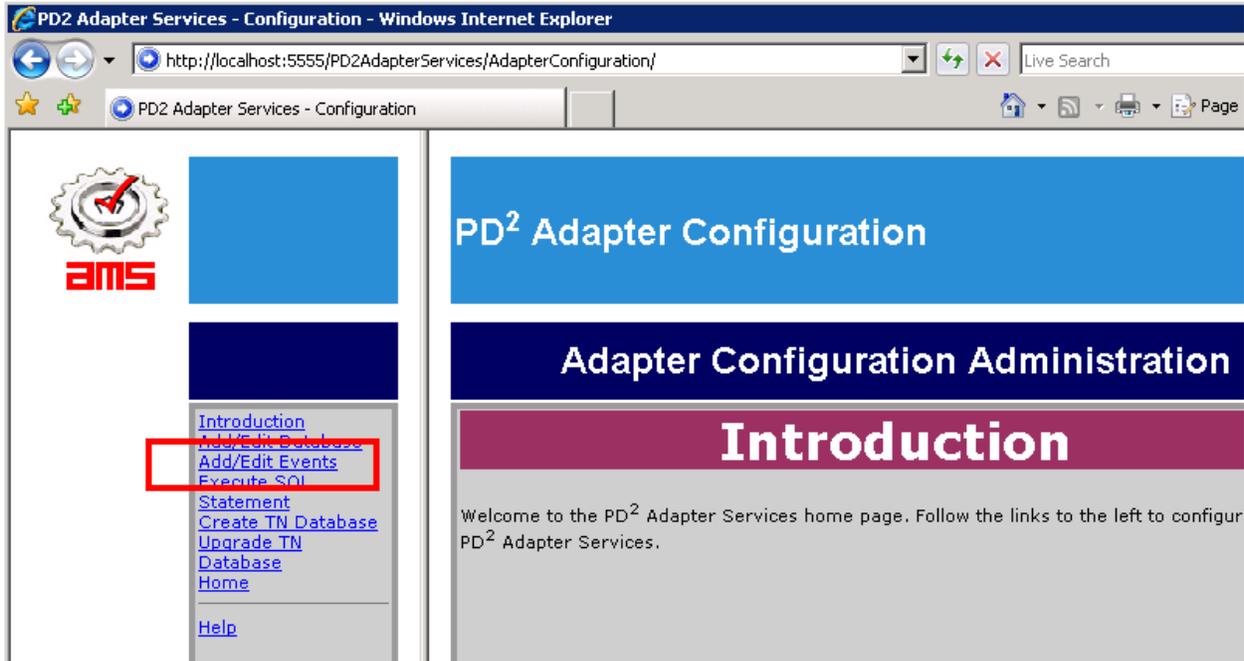
11-3.1.2 Enable and Disable Events

An event in the Event Subscription Table can be disabled if desired. In the excerpt above, the column 'enabled' contains a '1'. This flag indicates the event is *enabled*. If the column 'enable' contains a '0', the event is *disabled*.

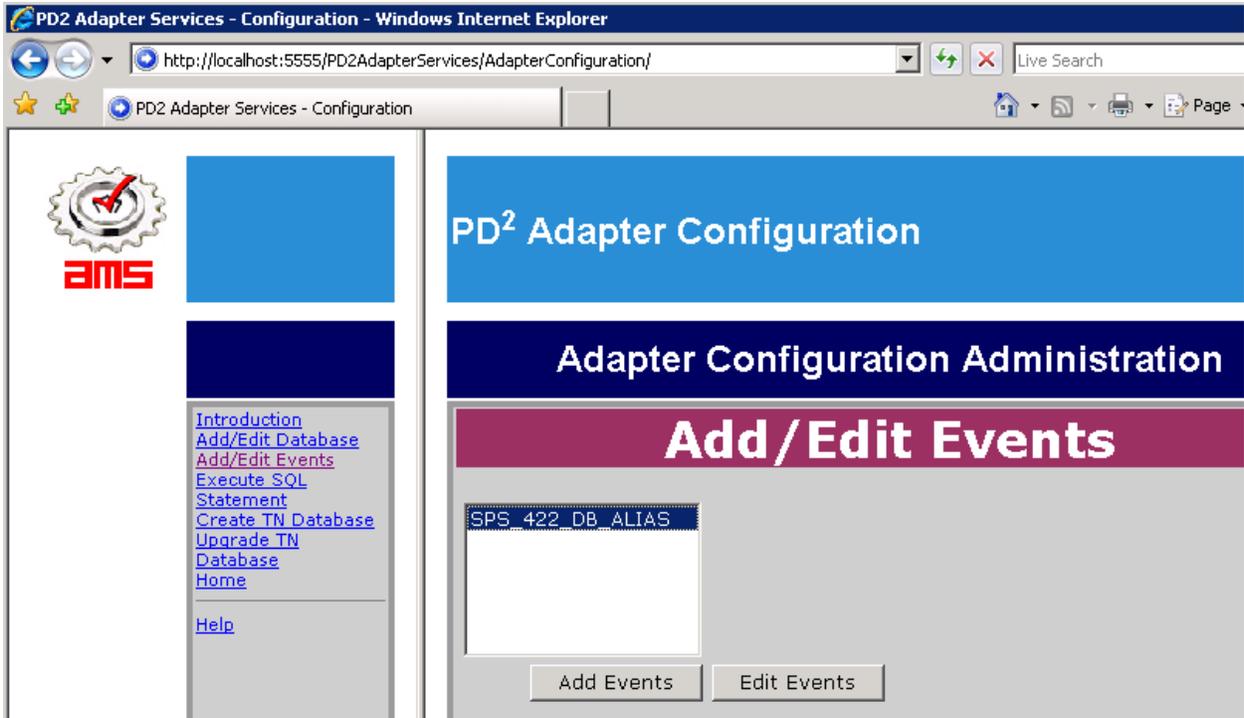
11-3.1.3 To check to see if an event is enabled or disabled:

1. Log on to the PD² Adapter Configuration page.
(<http://localhost:5555/PD2AdapterServices/>)
2. On the PD² Adapter Configuration page, select the "Adapter Configuration Administration" link.

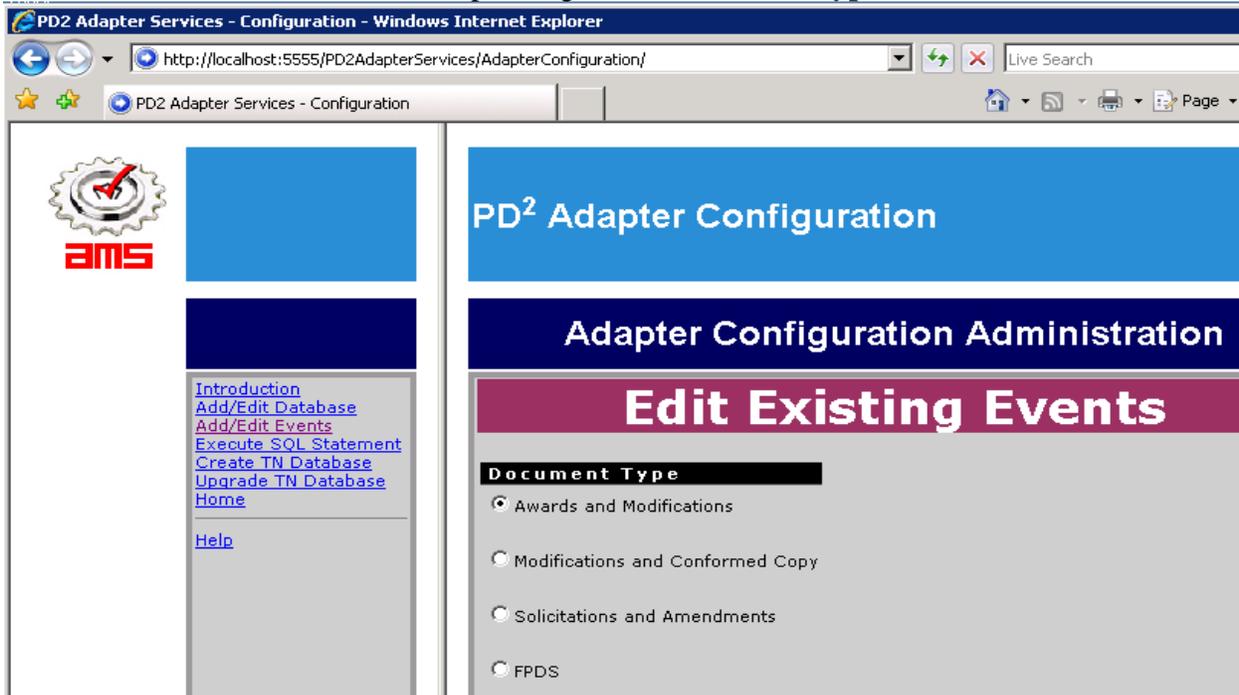
3. In the navigation pane on the left, select the “Add/Edit Events” link.



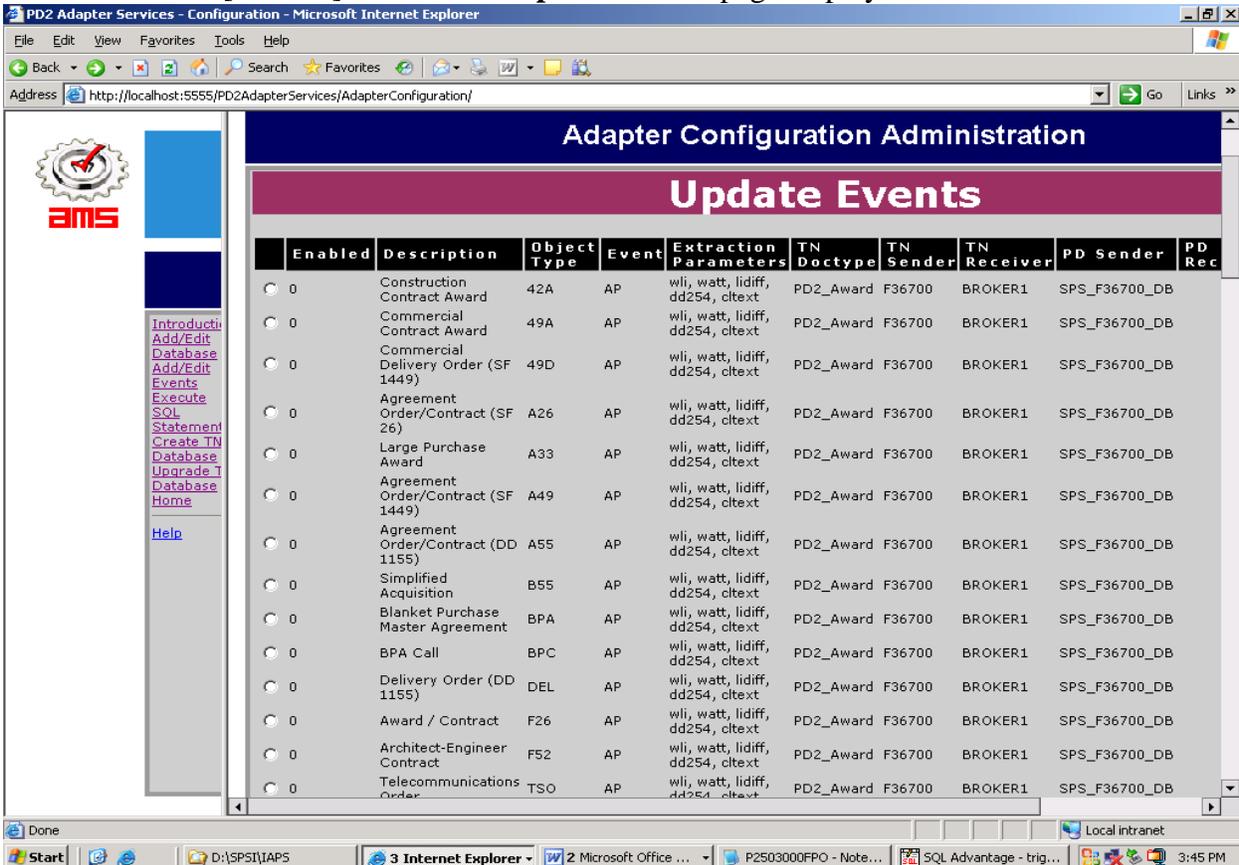
4. Highlight the appropriate database and click the [Edit Events] button.



5. Select the radio button corresponding to the **Document Type** associated with the event.



6. Click the [Submit] button. The **Update Events** page displays.



7. If looking for a specific transaction, locate the row for the event by looking at the two digit code in the **Event** column and the document type description located in the **Description** column. For more on Event Codes, see attachment B.
8. Verify the event is enabled. Enabled events have a '1' in the **Enabled** column.
9. If there is a '0' in the Enabled column, it is disabled. To enable the event, select the specific event to be edited. Click the [**Submit**] button.
10. The Update Events screen appears. The top row displays the current values for the event subscription. Change the drop down field to '0' to disable the event and to '1' to enable the event. Enter all values from the changed row to the updated row.

Values should be entered in all fields, including values that will remain unchanged. If a field is left blank, an empty string will be inserted into the pd2_event_subscription_pmo table.

PD² Adapter Configuration

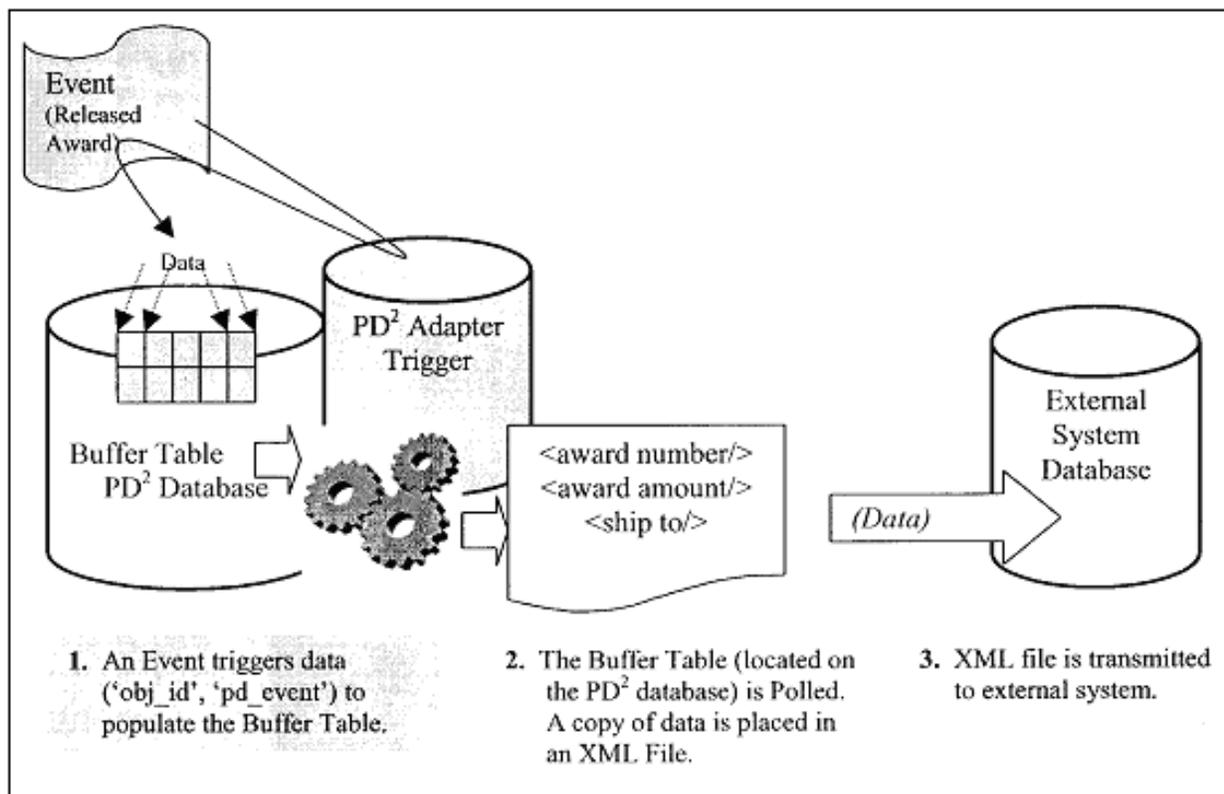
Adapter Configuration Administration

Update Events

Enabled	Description	Object Type	Event	Extraction Parameters	TN Doctype	TN Sender	TN Receiver
1	Construction Contract Award	42A	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	UCS123	UCS123
1	Construction Contract Award	42A	AP	wli, watt, lidiff, dd254,	PD2_Award	UCS123	UCS123

11. Click the [**Submit**] button.
12. A confirmation message will appear. Click the [**Previous Page**] to repeat steps 7-10 for all events to be enabled or disabled.

Note: Events can also be edited using a script in SQL Advantage. However, it is recommended that sites refrain from editing events using SQL Advantage. Permission to run scripts that insert, update, or delete information should be received from the appropriate authority.



11-3.1.5 Polling

Once an event is recorded in the Buffer Table, the PD² Adapter polls the Buffer Table to identify new documents to be extracted. If a row has a 'pol_flg' set to '0' the PD² Adapter sees that as a new event. The PD² Adapter changes the 'pol_flg' to '1' and initiates extraction. The PD² Adapter then extracts, or copies, the data associated with the particular 'obj_id' and prepares it in an XML file, changing the 'ext_flg'.

If extraction of the data is successful, the 'ext_flg' will be set to 'P'. If extraction of the data is unsuccessful then the 'ext_flg' will be set to 'E' and if extraction has not occurred yet then the 'ext_flg' will be left at '0'.

Polling occurs at intervals set during installation when the scheduled operation is initially created. The schedule can be changed at anytime by modifying the multiPoll scheduled service.

11-3.1.6 Triggers

Upon installation of the PD² Adapter, triggers are added to the PD² database. These triggers capture PD² application events such as the release of an award. In some cases, PD² triggers already exist on PD² tables. In these situations, the PD² Adapter triggers incorporate the functionality of the existing PD² triggers. The following triggers replace the standard PD² triggers during the installation of the PD² Adapter:

Trigger Name	Table
T_INS_DD350	dd350
T_UPD_DD350	dd350
T_INS_DD1057	dd1057
T_UPD_DD1057	dd1057
T_INS_DD1594	dd1594
T_UPD_DD1594	dd1594
T_INS_dsk_apprv_hdr	dsk_apprv_hdr
T_UPD_dsk_obj	dsk_obj
T_INS_address	address
T_UPD_address	address
T_DEL_delivery_item	delivery_item
T_INS_delivery_item	delivery_item
T_UPD_delivery_item	delivery_item

11-3.1.7 Stored Procedures

Upon installation of the PD² Adapter, stored procedures are added to the PD² database. These stored procedures generate internal database IDs for incoming documents. The following table lists the PD² Adapter stored procedures.

Stored Procedure	Description
adpt_pd_generate_system_obj_id	Generates a new unique system wide object id
adpt_pd_generate_table_obj_id	Generates a new unique table id
adpt_pd_get_current_obj_id	Gets the current object id

11-4 SPS LEGACY INTEGRATION

The Standard Procurement System (SPS) Legacy Integration product replaces the Standard Procurement System - Integration (SPS-I) product, which allowed for the automation of the obligation process and the population of financial management and accounting systems with procurement data from the Procurement Desktop-Defense (PD²) product. The Standard Procurement System Legacy Integration product uses the SPS PD² Adapter to exchange this data in the eXtensible Markup Language (XML) format.

Translators enable the passing of data to and from customers. Translators convert the XML to a UDF file and vice versa. There are a total of 23 Air Force translators – a combination of one or more translators make up one Air Force interface. There are six total Air Force Interfaces:

- Automated Business Services System (ABSS)
- Integrated Automated Payment System (IAPS)
- Standard Base Supply System (SBSS)
- Work Information Management System (WIMS)
- Wholesale and Retail Receiving/Shipping System (WARRS)
- Medical Logistics Systems (MEDLOG)
- Defense Medical Logistics Standard Support (DMLSS)

11-5 CONFIGURATION DATA REPOSITORY (CDR)

The CDR is a Sybase database used by the SPS Legacy Integration Product to store the configurations used to process the legacy system integrations. The CDR replaces the SPS-I Interface Database (IDB). During the installation, a fresh CDR can be created or data from an existing IDB can be migrated into a new CDR.

11-5.1 Configuration Data Repository – Administration (CDR-A)

The CDR-A application allows the System Administrator to enter and configure integrations data. Integrations are executed between PD² sites and external sites. The CDR-A consists of the following components:

11-5.1.1 Collections

A collection is a processing entity tied to a pre-defined set of data. Each collection has specific attributes, physical characteristics, and business rules.

11-5.1.2 Filenames

Filenames represent a flat file's physical name in which the collection data will be created or where it will be read. Filenames can be used for either inbound or outbound integrations.

11-5.1.3 Directories

Directories serve as the repositories for integration files. Both inbound and outbound files can be stored in either a file transfer protocol (FTP) Directory, or a Local Directory (a mapped drive on the webMethods Integration Server).

11-5.1.4 Sites

Sites are locations or organizations supported by a system and can be designated as either PD² sites or External sites. PD² sites are locations or organizations (often individual issuing offices) that run the PD² system, while External sites are supported by a legacy system with which PD² interfaces. An integration associates an External site to a PD² site.

11-5.1.5 Systems

External systems interface with the PD² application. Most external systems support logistics or finance processes. Entering the External and PD² Systems in the CDR-A allows the System Administrator to specify the range of integrations possible at a site.

11-5.1.6 Task Sets

A Task Set is created to delineate the processing of a group of collections, including the execution order of each collection.

11-5.1.7 Integrations

An integration represents the movement of data between PD² and an external system. Integrations are executed between PD² sites and external sites. They consist of collections that are grouped into one or more task sets and stored as files in directories.

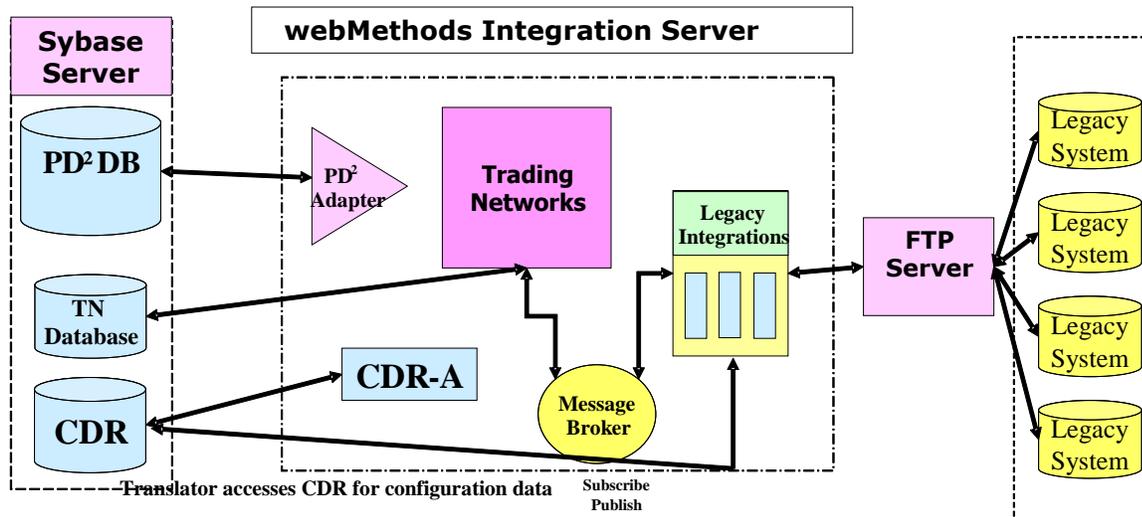
All of the building blocks (collections, filename, directories, sites, task sets, and systems) exist exclusively for the creation of integrations. By adding data to an Integration, from within the CDR-A, the System Administrator specifies the execution parameters that determine when and where an integration will be executed, and what task sets (and thus, collections) it will contain.

11-5.1.8 Scheduler

The System Administrator can create a schedule that executes a specific task set within an integration. A repeating schedule is based on a defined interval starting from the creation of the schedule (i.e., every 15 minutes, 3 days, etc.). Complex repeating schedules allow the System Administrator to schedule exactly when a task set should run. The System Administrator can enable or disable the schedule.

By the time the PD² Adapter and Legacy Translators are installed at a site, the data to be migrated has been defined as elements with specific characteristics such as size, data type, domain, etc. These elements have been combined into logical groups called collections. Collections – which are also known as records formats, files, transactions, or transaction sets –

also have specific characteristics such as format, contents, and business rules. The element and collection characteristics have been agreed upon in advance by the interfacing communities and cannot be changed through the software.



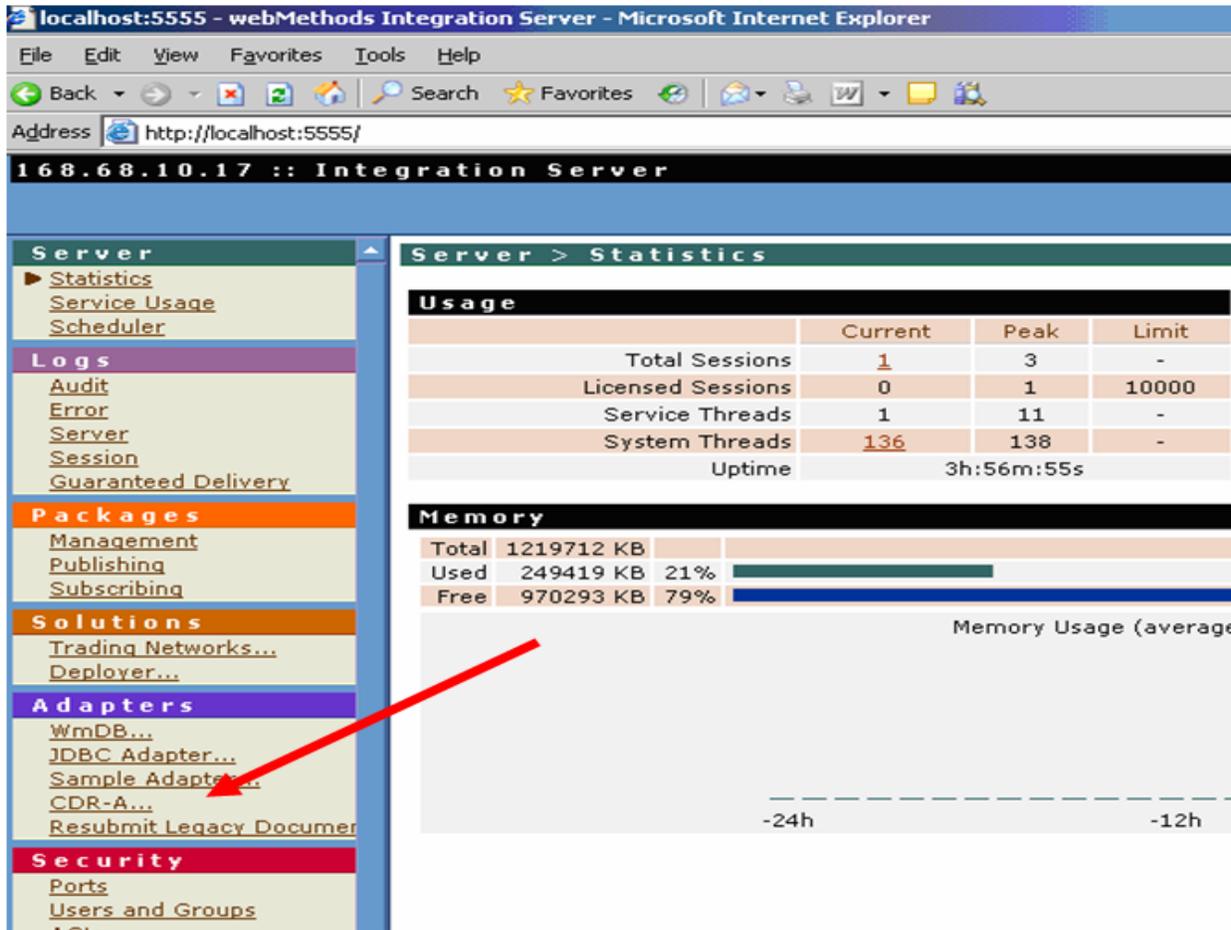
When an inbound file is received from an external system, the Legacy Integration Component retrieves the Integration information from the CDR-A/CDR and initiates the appropriate translators. The translators parse the data, apply the necessary translations or business rules, and transmit an XML document to the Message Broker. The Message Broker routes the XML document to the PD² Integration Component which finishes the translation by filling in missing data. The PD² Integration Component then passes the completed XML document to the PD² Adapter. The Adapter will then load the data into the PD² Database.

When a triggered action is performed in the PD² Database (i.e. release, approval, etc.), the PD² Adapter extracts the data from the PD² Database, using the Buffer Table, and creates an XML document. The PD² Adapter uses Trading Networks to transmit the XML document to the Message Broker. The Message Broker passes the XML document to the Legacy Integration Component, which in turn retrieves information from the CDR-A/CDR, and initiates the appropriate translators. The translators apply the necessary business rules and translations to the data and then create a temporary output file. When the appropriate time is reached, according to the schedule established in the CDR-A, the temporary file is then moved to the local or FTP directory for pick-up by the external system.

11-5.1.9 Accessing CDR-A

To launch the CDR-A from the webMethods Administrator:

1. Log on to the **webMethods Administrator**.
- ▶ 2. In the **Adapters** menu of the Navigator panel on the left, click the CDR-A link.



You can also access the URL directly. Enter the following URL into the **Address** field, substituting the appropriate values for <serverName> and <portNum>:

▶ **http://<serverName>:<portNum>/LegacyCommon/CDRA.dsp**

As another alternative, you can access the CDR-A using the bookmark that AFCIS has set up on a standard desktop computer.



3. In the Enter Network Password window, enter the following information:
 - User Name – Enter a valid webMethods Administrator user name.
 - Password – Enter the password for the above user.
 -

(The login information displays in the Enter Network Password window.)



13. Click **[OK]**. The CDR-A Introduction page displays.

SPS Legacy Integration

CACI
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Configuration Data Repository -
Administration

[User's Guide](#)
[User's Guide Supplement](#)

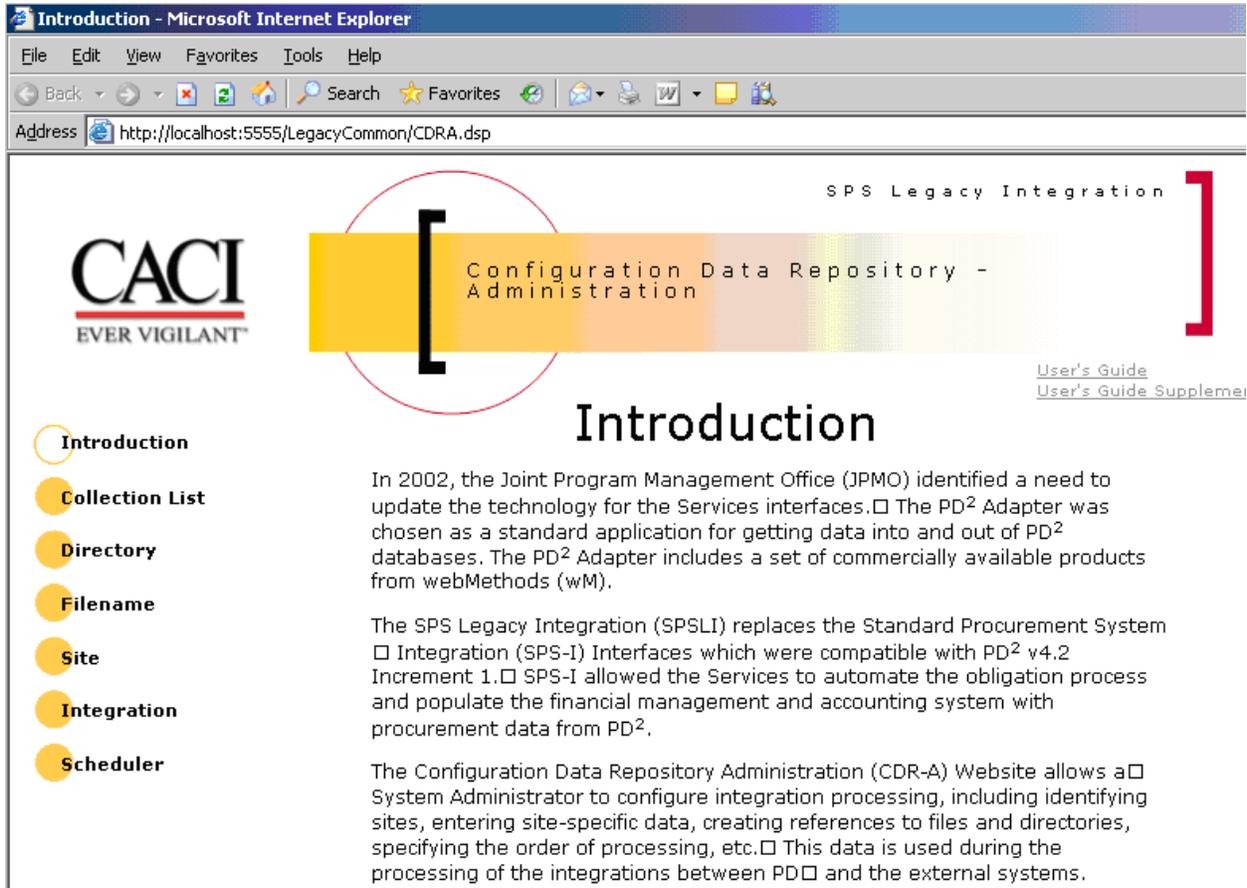
Introduction

- Introduction
- Collection List
- Directory
- Filename
- Site
- Integration
- Scheduler

In 2002, the Joint Program Management Office (JPMO) identified a need to update the technology for the Services interfaces. The PD² Adapter was chosen as a standard application for getting data into and out of PD² databases. The PD² Adapter includes a set of commercially available products from webMethods (wM).

The SPS Legacy Integration (SPSLI) replaces the Standard Procurement System Integration (SPS-I) Interfaces which were compatible with PD² v4.2 Increment 1. SPS-I allowed the Services to automate the obligation process and populate the financial management and accounting system with procurement data from PD².

The Configuration Data Repository Administration (CDR-A) Website allows a System Administrator to configure integration processing, including identifying sites, entering site-specific data, creating references to files and directories, specifying the order of processing, etc. This data is used during the processing of the integrations between PD and the external systems.



11-5.1.10 Creating or Editing a Scheduled Task

System Administrators often have to reschedule PD² events to permanently alter an event schedule or run a one-time event (typically when a document fails transmission from the TN Console to PD² or vice versa).

To create or edit a scheduled task:

1. Log in to CDR-A. At the bottom of the screen, highlight the appropriate CDR database and select Connect.

from webMethods (WM).

Filename

Site

Integration

Scheduler

The SPS Legacy Integration (SPSLI) replaces the Standard Procurement System Integration (SPS-I) Interfaces which were compatible with PD² v4.2 Increment 1. SPS-I allowed the Services to automate the obligation process and populate the financial management and accounting system with procurement data from PD².

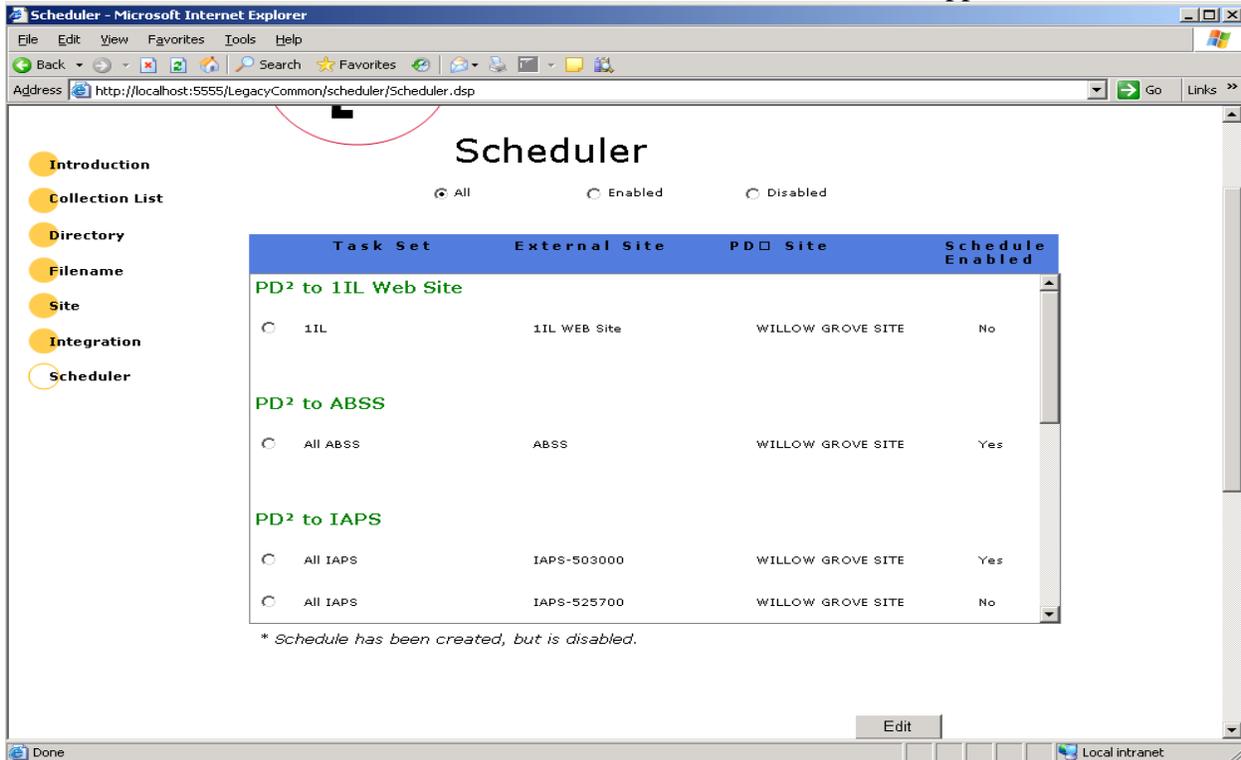
The Configuration Data Repository Administration (CDR-A) Website allows a System Administrator to configure integration processing, including identifying sites, entering site-specific data, creating references to files and directories, specifying the order of processing, etc. This data is used during the processing of the integrations between PD and the external systems.

CDR Connection List

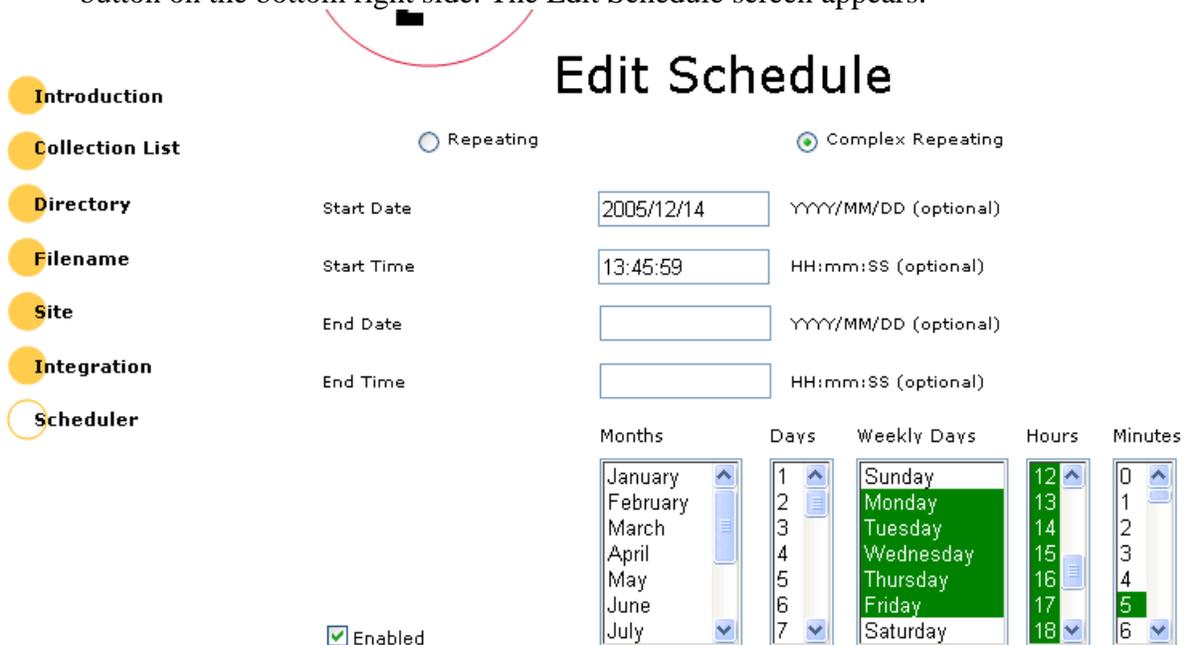
SPS F36700 CDR DB

Note: If you access the CDR-A page using the bookmark that AFCIS has set up on a standard desktop computer, you will already be connected to the CDR database.

2. Click the “Scheduler” link on the left side. The Scheduler screen appears.



3. Select the radio button of the Task Set you wish to schedule or edit, and click the “Edit” button on the bottom right side. The Edit Schedule screen appears.



Selecting no items is equivalent to selecting all items for a given list

If editing a set schedule and the change won't be permanent, be sure to write down the regularly scheduled frequency so the schedule can be restored after the one-time event.

4. After noting the schedule, uncheck "complex reporting" and check "repeating." Then change the Interval to a some number of seconds such as 6000 seconds (100 minutes) and click on save at the bottom of the page.

SPS Legacy I

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Introduction

Collection List

Directory

Filename

Site

Integration

Scheduler

Edit Schedule

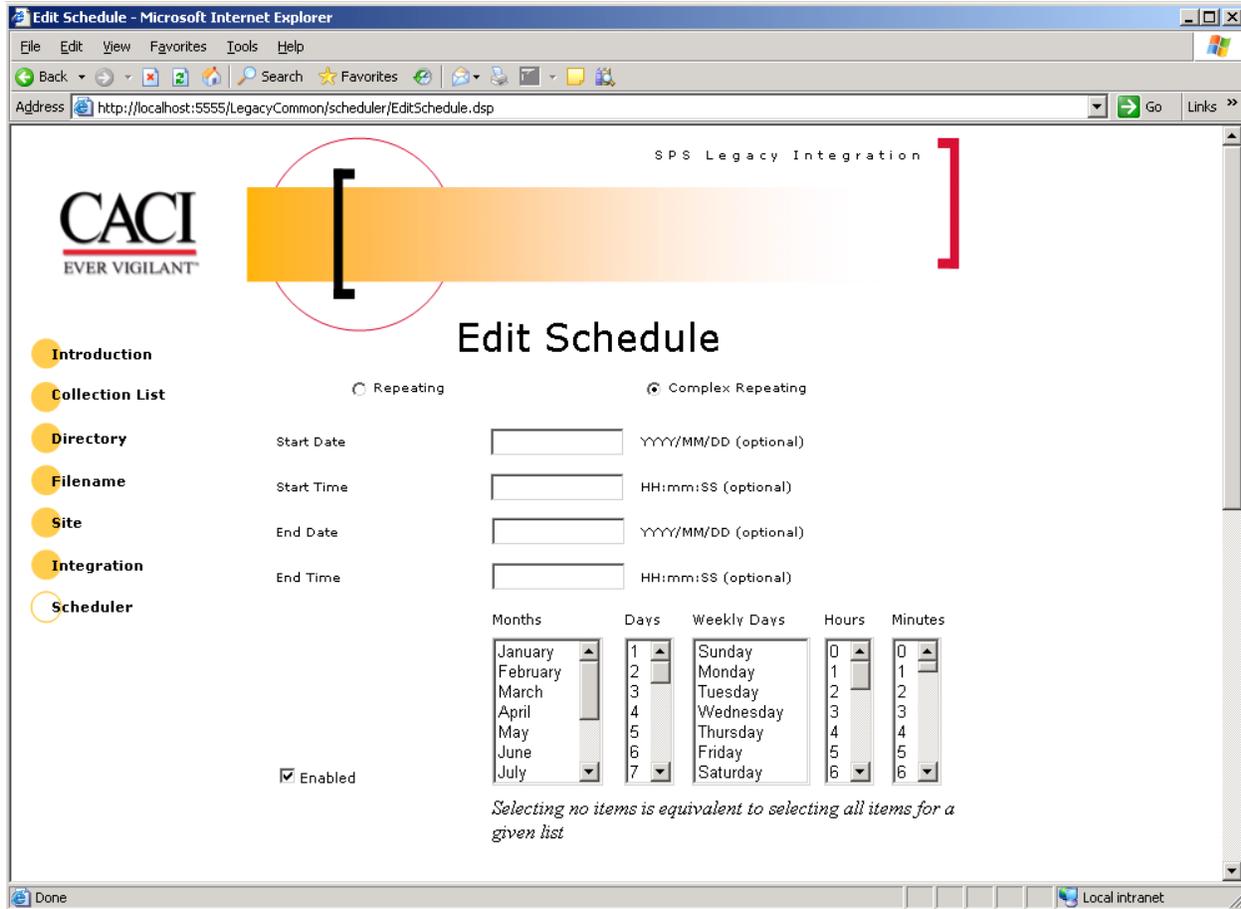
Repeating Complex Repeating

Interval * seconds

Enabled

5. If this was a one-time schedule change, run the scheduled task and then go back to the Edit Schedule screen and select "Complex Repeating". Re-establish the original scheduled run-frequency.

You can enter start and end dates and times, but they are not required. If you do enter a start or end date, you must enter the start or end time as well.



Note: If the frequency is Monday through Friday, be sure to highlight each day of the week and proceed to schedule the run time in hours and minutes.

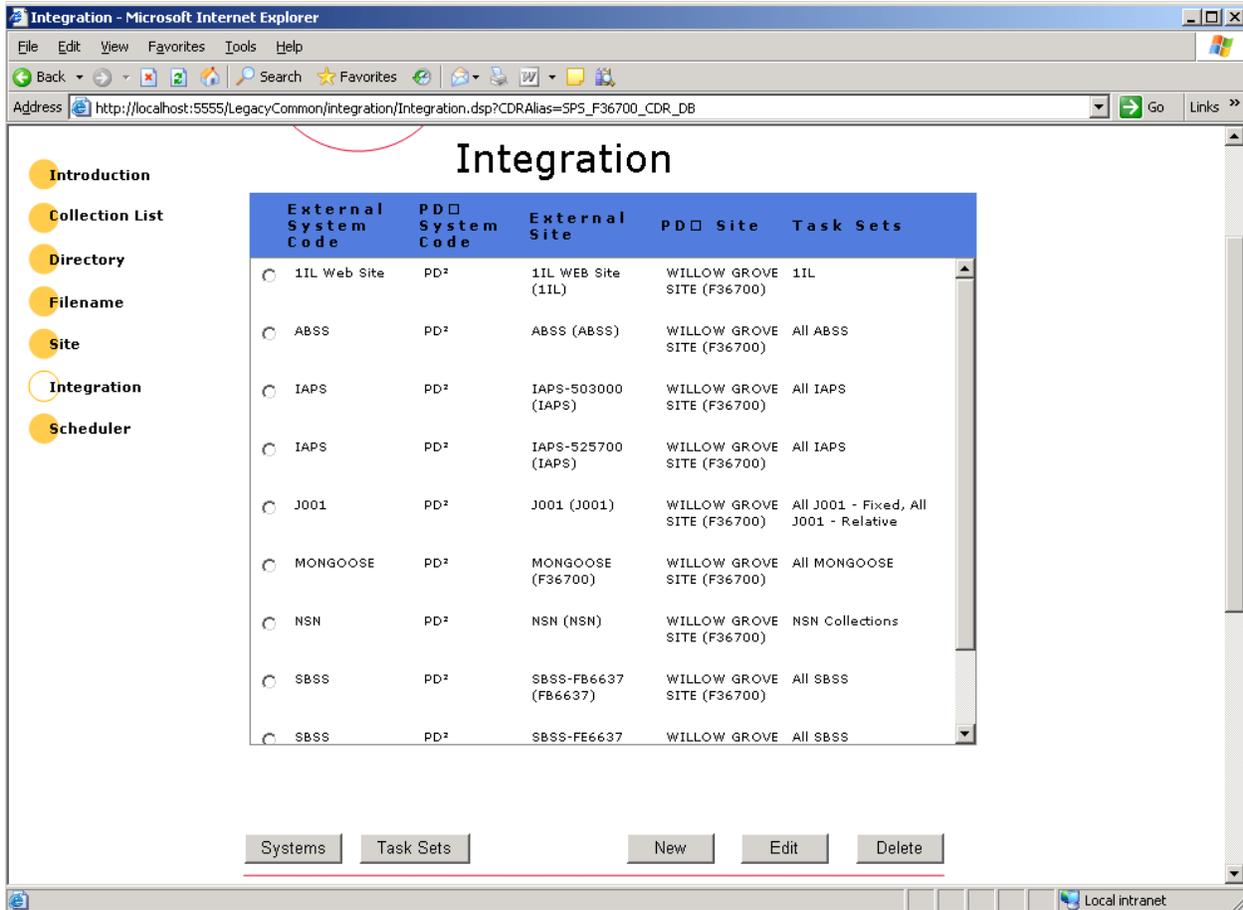
6. Once you are finished entering or editing the schedule information, click the “Save” button at the bottom of the page.



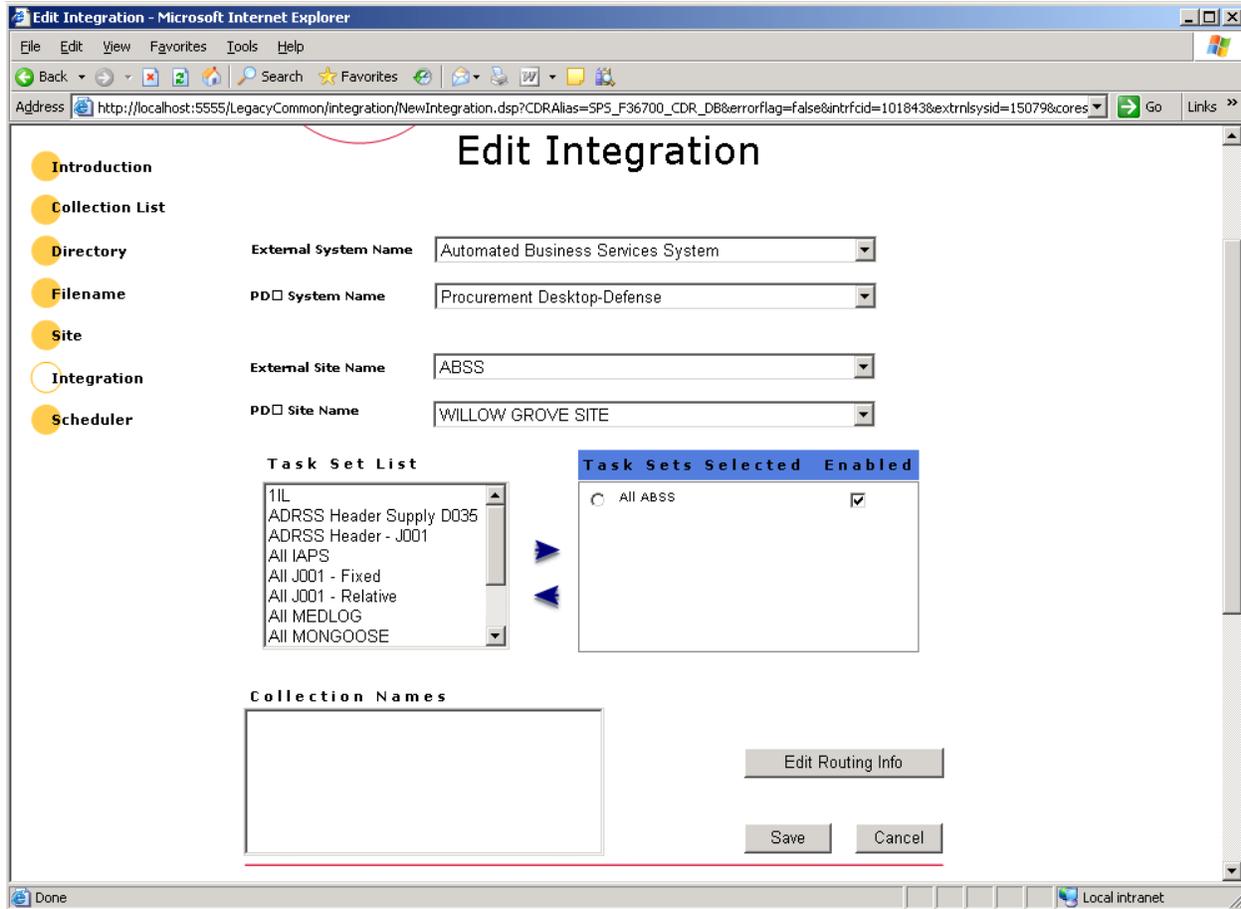
11-5.1.11 Directory Path and Filename Configuration

To Edit an Integration in the CDR-A:

1. Log in to CDR-A and connect to a CDR.
2. Click on the “Integrations” link on the left side. The Integration page appears.



3. Click the radio button for the particular system and click the “Edit” button.
(The Edit Integration screen appears.)



4. Click the radio button for the task set in the “Task Sets Selected” section and click the “Edit Routing Info” button.
5. Update the Directory Path and Filename as necessary.

11-6 ERROR HANDLING

The PD² Adapter and Integration Components are totally automated once installed and correctly configured. Since they are totally automated it can be difficult to know if the system is running. The sections below allow the administrator to check each phase of processing to ensure the system is running.

11-6.1 Outgoing Transactions

Air Force Interfaces that have outgoing transactions include WARSS, WIMS, IAPS, ECSS, EZQUERY, DMLSS, DEAMS, AFWAYII, EDA XML, and SBSS. Refer to the Functional Specification Documents for more details.

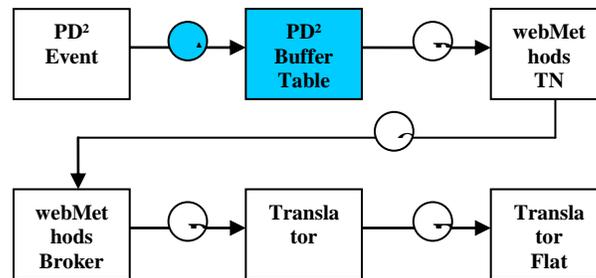
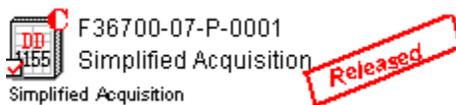


Diagram - A

11-6.1.1 Was the Document Released?

If you have the document number, then you can log into PD² and search for the document. If the ‘Released’ stamp appears on the document icon, then it has been successfully released.



11-6.1.2 Is the Transaction in the Buffer Table?

Outgoing transactions are initiated when procurement events occur in the PD² application. The PD² Adapter captures the events via database triggers which populate the buffer table. For example, when an award is released in PD², the PD² Adapter's database triggers capture the event and post the event data to the pd2_buffer_pmo table.

To verify that the PD² Adapter posted event data to the pd2_buffer_pmo table, run the Adapter Buffer Diagnostic script in Script Aid (available on the CACI SPS Knowledge Base <http://kb.caci.com>). The results will show *all* events posted to the buffer table. Look for the document number of the award in question.

An alternative is to run the below script in SQL to find the same information. The results will query specifically by document number entered.

1. Replace 'ENTER DOC NUMBER HERE' in the following script with the document number of the document whose event you are verifying was captured.

```
SELECT d.obj_usr_num, b.obj_id, b.obj_type, s.description, b.pd_event, b.evt_tmstp,  
b.pol_flg, b.ext_flg  
FROM pd2_buffer_pmo b, dsk_obj d, sys_obj_type s  
WHERE b.obj_id IN (SELECT obj_id FROM dsk_obj where obj_usr_num = 'ENTER  
DOC NUM HERE')  
AND b.obj_id = d.obj_id  
AND b.obj_type *= s.obj_type
```

2. Execute the script against your PD² database.
3. Evaluate the results.

If one or more rows are returned, the PD² Adapter captured the event associated to the document in question. Compare the Event Code (pd_event) of the rows returned with the ones below to capture the correct event. (See [Attachment B for the list of event codes](#)).

Note: All pre-defined events that occur within the PD² database will be inserted into the pd2_buffer_pmo table, regardless of whether or not they are enabled in the event subscription table. Therefore, it is usually easier to run a SQL script against the buffer table that will identify those specific events in the buffer table that “should” get extracted.

Example: If you are only interested in solicitation and amendments released in PD² during a specified date range, the below script will query the buffer table for the specified event.

```
declare @start datetime, @end datetime
SELECT @start = 'Oct 25 2006 12:00AM'
SELECT @end = 'Oct 25 2006 11:59PM'
select p.obj_usr_num, b.* from dsk_obj p, pd2_buffer_pmo b
where b.obj_type in ('18M', 'RFQ', '49S', '49M', '33M')
and b.pd_event = 'RE'
and b.evt_tmstp between @start and @end
and b.obj_id = p.obj_id
```

Continue to *Section titled, “Has the Buffer Table Been Polled”*.

If no rows are returned, the PD² Adapter has not captured events associated to the document in question. Continue to the following section.

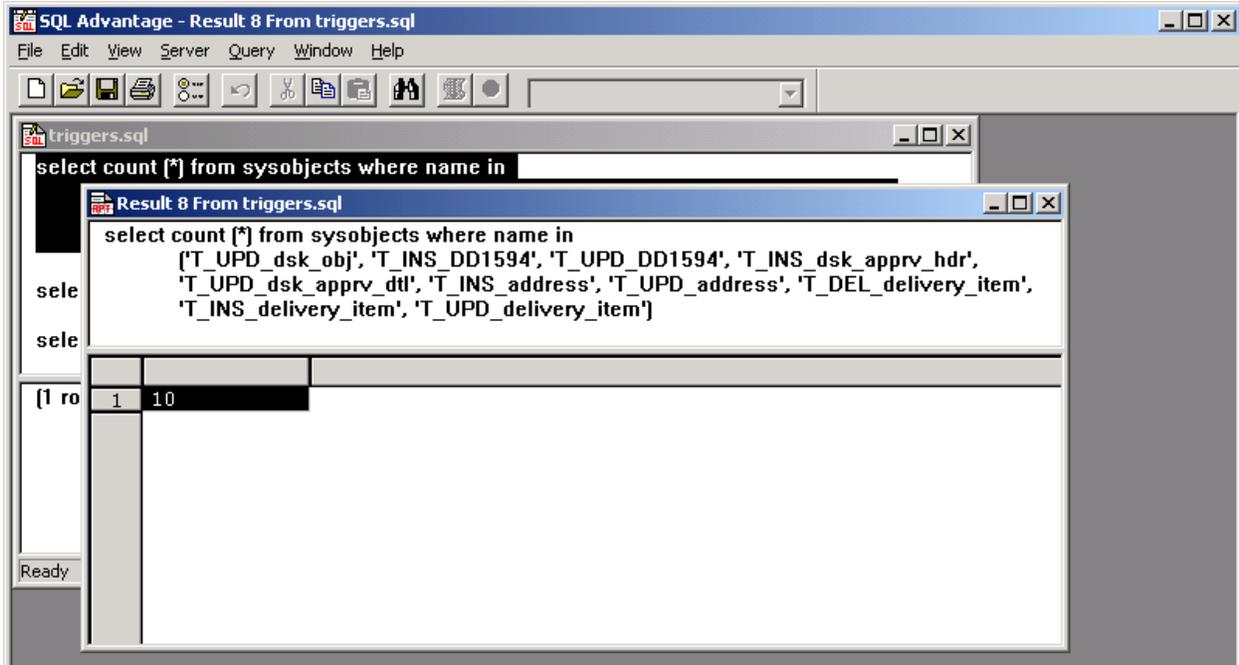
11-6.1.3 If the Transaction is not in the Buffer Table

If data is not being posted to the pd2_buffer_pmo table (no results return after running the script in [Section 6.1.2](#)), verify the PD² Adapter database triggers have been installed on the PD² database. If the database triggers are present, verify the event which occurred is an event of interest to the PD² Adapter.

To verify the PD² Adapter database triggers have been installed on the PD² database:

1. Execute the following SQL script against the PD² database.

```
SELECT COUNT(*) FROM sysobjects
WHERE name IN ('T_UPD_dsk_obj', 'T_INS_DD1594', 'T_UPD_DD1594',
'T_INS_dsk_apprv_hdr',
'T_UPD_dsk_apprv_dtl', 'T_INS_address', 'T_UPD_address', 'T_DEL_delivery_item',
'T_INS_delivery_item', 'T_UPD_delivery_item')
```



If a count less than “10” is returned, run the ‘PMOSqlScript.sql’ script. For more information on running the ‘PMOSqlScript.sql’, refer to the Instructions for Installing or upgrading to PD2 Adapter v2.7

If a count of “10” is returned, the PD² Adapter triggers have been installed. Verify the event you are looking for is an event of interest to the PD² Adapter.

To verify an event is an event of interest to the PD² Adapter:

1. Refer to “[Attachment D: Event Subscriptions](#)” for more information.
2. If the event is included in “[Attachment D: Event Subscriptions](#)” but is not captured in the `pd2_buffer_pmo` table, contact the CACI SPS Help Desk.

Note: An issue has been identified with the Adapter, where it will fail to extract any documents which reside in a team cabinet with a Team ID that contains an apostrophe. If the SA has a document that repeatedly fails, they should check to see if this is the case. If so, a temporary work around would be to move the document to a personal cabinet, and then re-run the SPS Script Aid script “Adapter Reflag by Document Number”.

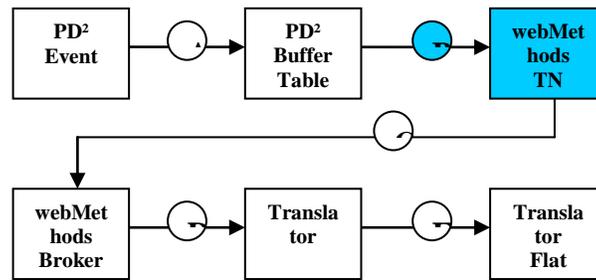


Diagram – B

11-6.1.4 Has the Buffer Table Row been Polled?

Once an outgoing transaction is captured in the buffer table, it is ready for polling by the “multiPoll” service. The “multiPoll” service is a webMethods service which polls, extracts, and sends data to Trading Networks and/or the Broker. It is usually scheduled to run every 60 seconds.

Note: If the Adapter seems to randomly lock up, you may want to increase the multiPoll service scheduled run interval. As a starting point, you can enter 1800 seconds as the run interval and see if this alleviates the issue.

To verify the buffer table has been polled:

1. View the results from the script run in Section 6.1.2 “Is the Transaction in the Buffer Table?”
2. Locate the value of the pol_flg.
3. If pol_flg equals 1, the buffer table is being polled, continue to *Section 6.1.4, “Has the Buffer Table Row been Extracted”*.

If the pol_flg does not equal 1, the buffer table is not being polled, continue to the next section.

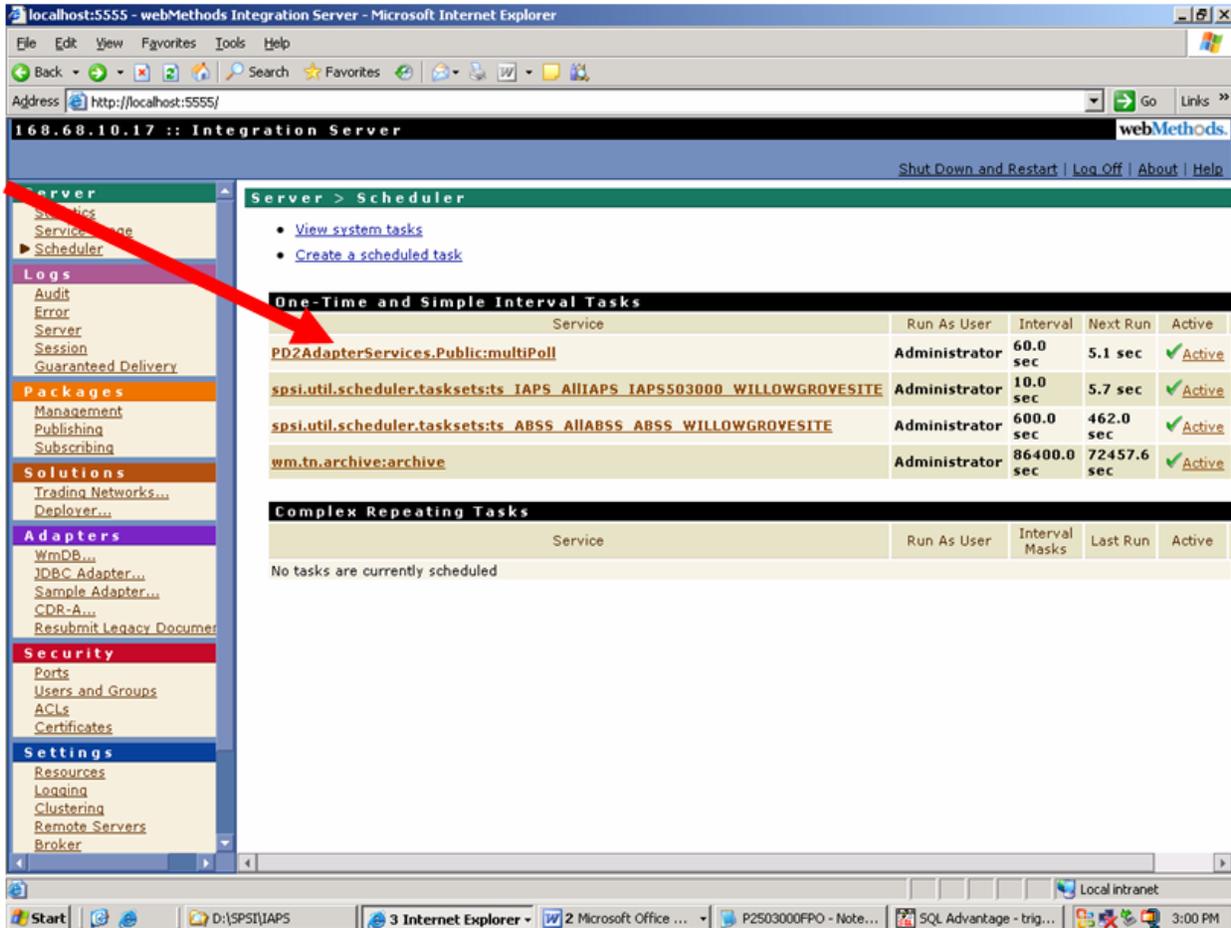
11-6.1.5 What do I do if the Buffer Table is not being polled?

The buffer table is polled by the “**multiPoll**” service. The cause of the buffer table not being polled is usually the multiPoll service not being scheduled to run (or not having run yet) or the multiPoll service is unable to connect to the PD² database because it is configured incorrectly or not configured at all.

To verify the multiPoll service is scheduled and running:

1. Log on to the webMethods Administrator page.
(The webMethods Administrator page displays.)

2. In the Server menu of the navigation pane on the left, click the Scheduler link.
(The Server > Scheduler page displays.)
3. Verify the multiPoll service is present.



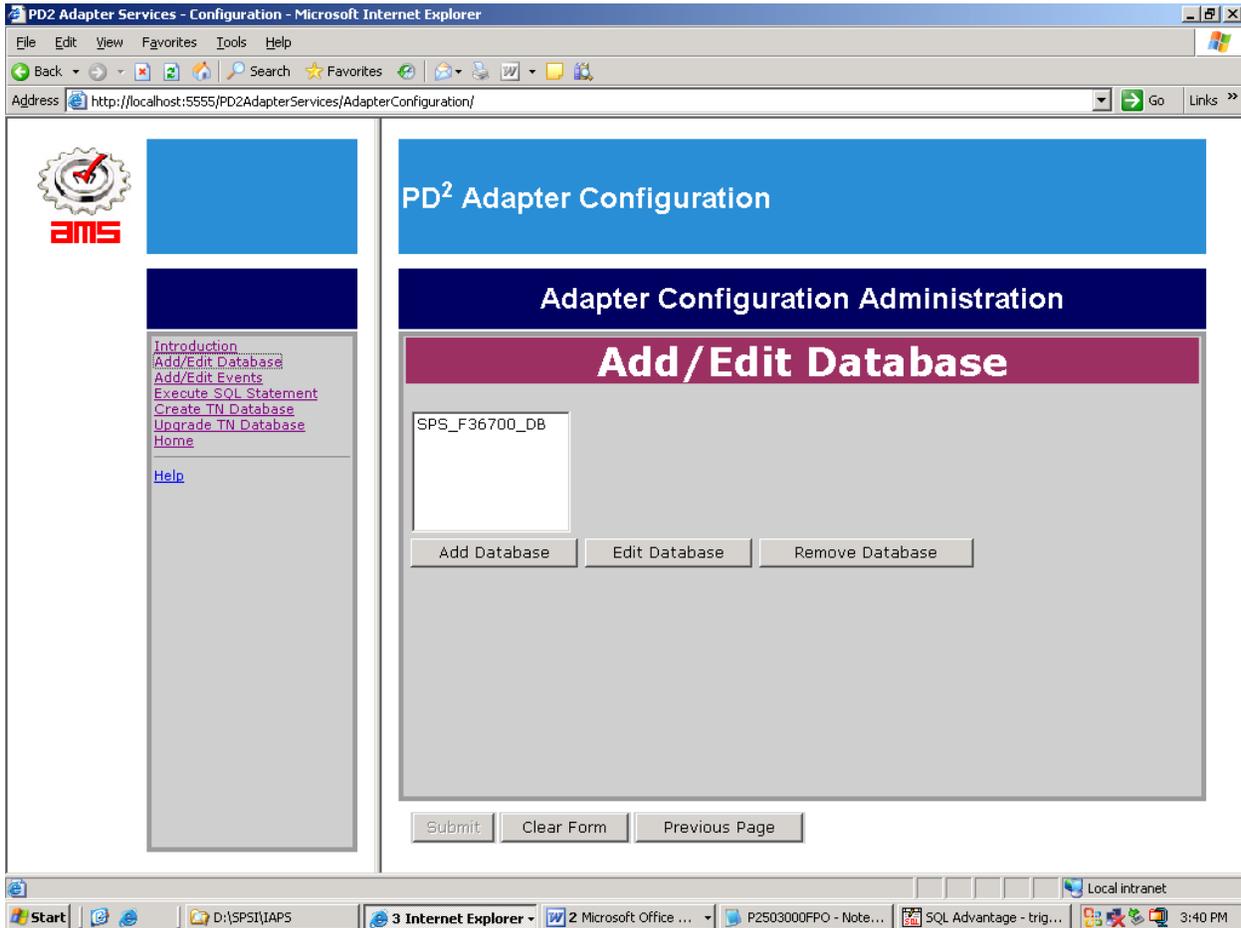
4. Verify the multiPoll service is active. The **Active** column will have the value ‘Active’ if the service is active. If the multiPoll service is not active, click the “Suspended” link in the “Active” column.
5. Verify the multiPoll service ran since the event was captured in the buffer table. To identify the time the event was captured, use the ‘evt_tmstp’ from the results of Section 6.1.2 “Is The Transaction in the Buffer Table?”. Verify the last execution time of the multiPoll service is after the time the event was captured.

multiPoll Configuration

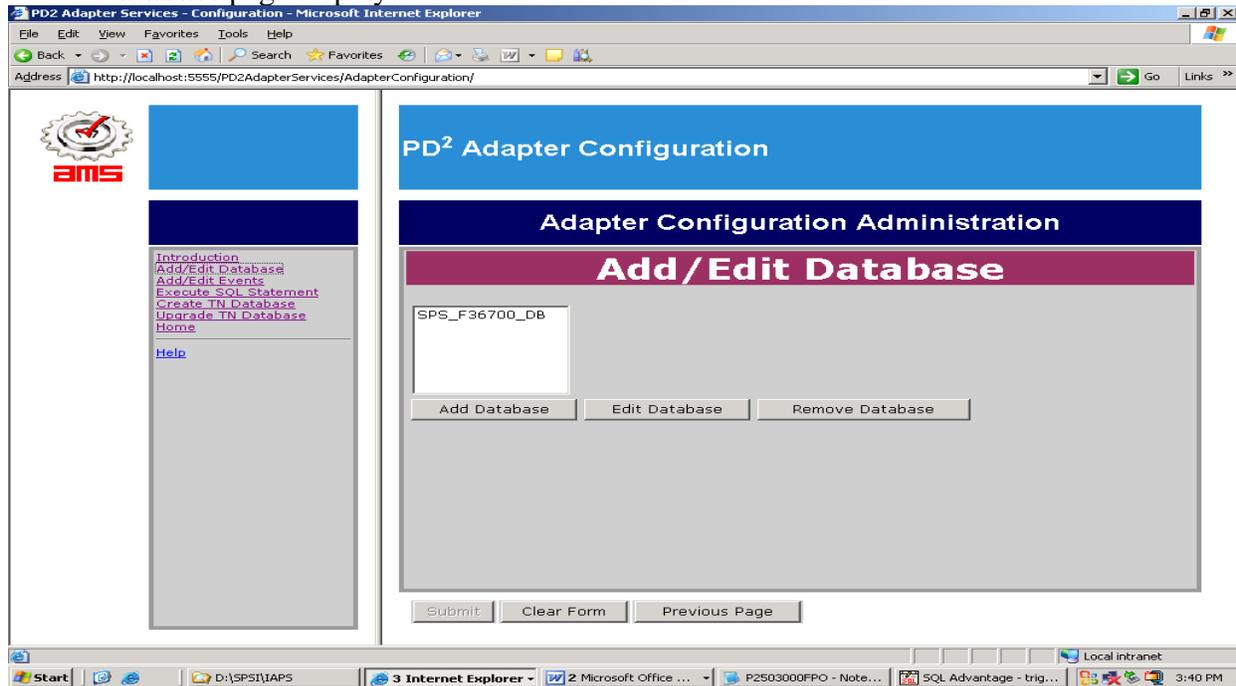
If multiPoll is scheduled and active but does not update the buffer table, verify multiPoll is configured correctly.

- To verify “multiPoll” is configured to poll the correct database:

1. Log on to the PD² Adapter Configuration.
(The **PD² Adapter Configuration** page displays.)
2. On the **PD² Adapter Configuration** page, click the Adapter Configuration Administration link. (The Adapter Configuration Administration > Introduction page displays.)

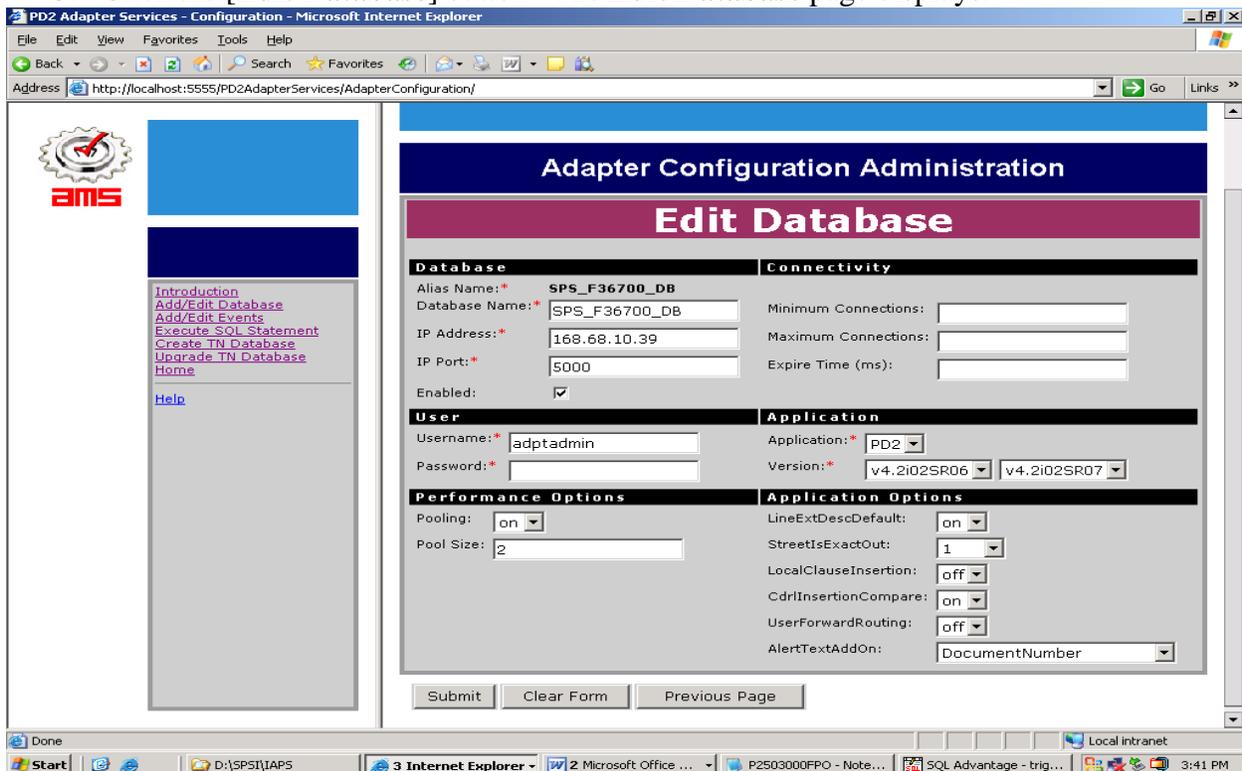


3. In the navigation pane on the left, click the Add/Edit Database link. The **Add/Edit Database** page displays.



4. Highlight the database where the event occurred.

5. Click the [Edit Database] button. The **Edit Database** page displays.



6. Verify the information (Database Name, IP Address, IP Port, Enabled and Username) on this page is correct.
7. If the information is not correct, correct the information, re-enter the ‘password’ and click the Submit button.

If you changed the PD² database connection data wait until “multiPoll” runs again and re-run the database script from Section “*Is the Transaction in the Buffer Table*”.

If the connection information is correct, verify the Integration Server can establish a connection to the database.

Note: If the database connection is still not working go back to the Edit Database page and enter the correct password for the specified username. Click the Submit button and re-test the database connection.

11-6.1.6 Has the Buffer Table Row been Extracted?

After multiPoll polls the buffer table it verifies the event captured in the buffer table is a subscribed to event. If the event is subscribed to, multiPoll extracts the document.

Verify the event in question is enabled. Enabled events have a ‘1’ in the **Enabled** column. If it is not enabled, enable the event. If the event is not present, add the event.

To verify “multiPoll” extracted the data:

1. Re-execute the SQL query in **Section** “*Is the Transaction in the Buffer Table?*”
 - a. If the pol_flg = 1 and the ext_flg = P, “multiPoll” extracted the data.
 - b. If the pol_flg = 1 and the ext_flg = 0, either “multiPoll” is in the process of running or the event was not subscribed to).
 - c. If the pol_flg = 1 and the ext_flg = E, an error occurred during extraction.

If data was extracted follow the steps in the next section to verify the document was routed to TN (webMethods Trading Networks). If an error occurred during extraction then view the webMethods error log.

11-6.1.7 Is The Adapter Routing Data To TN?

After the PD² Adapter polls the buffer table and extracts the subscribed to data, it routes the data to TN.

To verify the PD² Adapter is routing data to TN:

1. Log on to webMethods Trading Networks Console. The Trading Networks window opens.

2. From the menu, select **View > Transaction Analysis**. The Transaction Analysis window opens.
3. Run a query for the document.
4. Select “Show/Hide Query” button.
5. Select the ‘Document ID’ checkbox.
6. Enter the document number in the ‘Document ID’ field.
7. Select the ‘Run Query’ button. (*The results page displays.*)

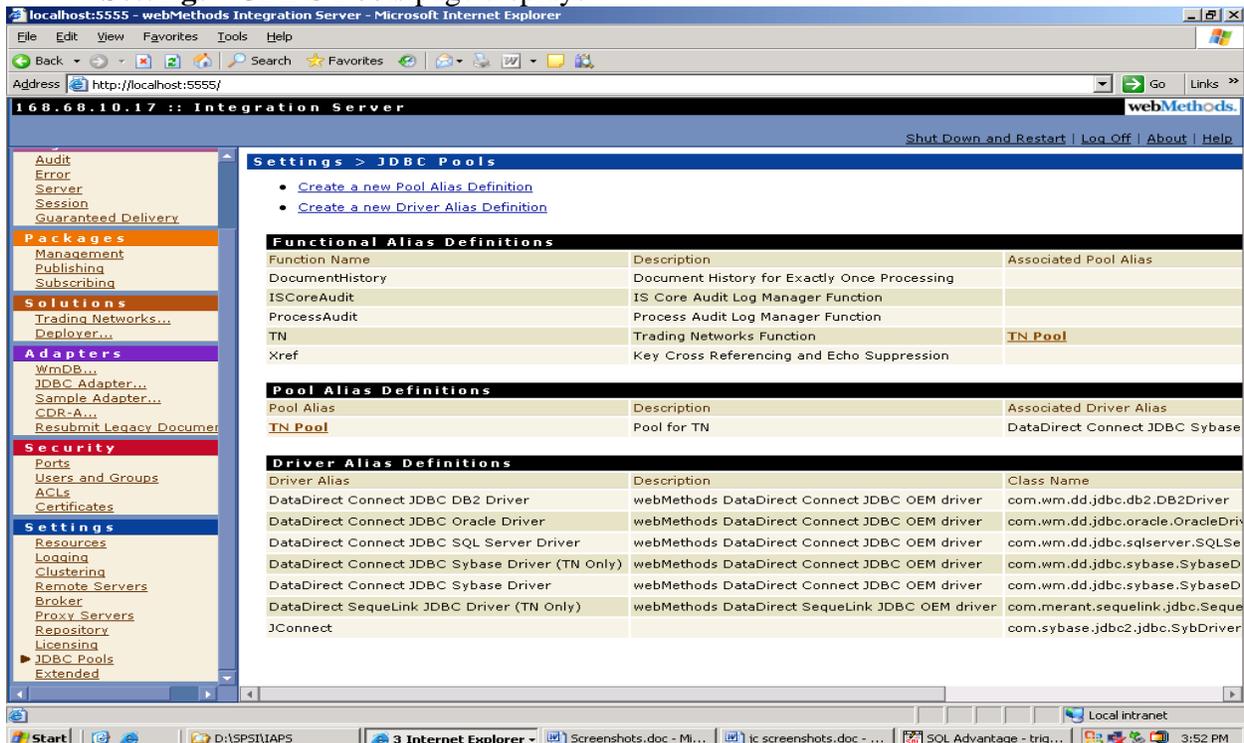
If the document is found, it was routed to TN. If the document was not found, try broadening the search criteria. If the document is still not found after broadening the search criteria, continue to the next section.

11-6.1.8 If the Adapter is not Submitting Data to TN

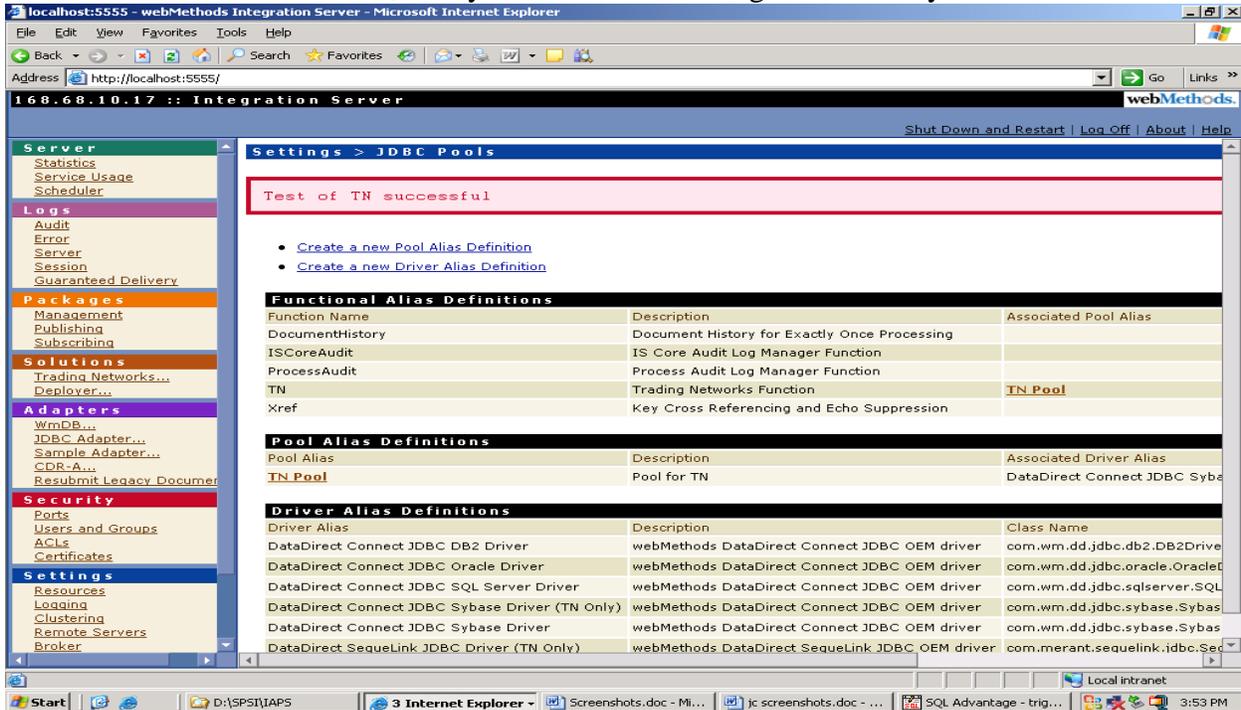
If the PD² Adapter is processing data in the buffer table but is not routing data to TN, it is likely that TN is incorrectly configured on the webMethods Integration Server. Verify the TN database is correctly configured.

To verify the webMethods Integration Server is able to connect to the TN Database via the associated connection pool:

1. Log on to the webMethods Administrator page. The **webMethods Administrator** page displays.
2. In the **Settings** menu of the navigation pane on the left, click the JDBC Pools link. The **Settings > JDBC Pools** page displays.



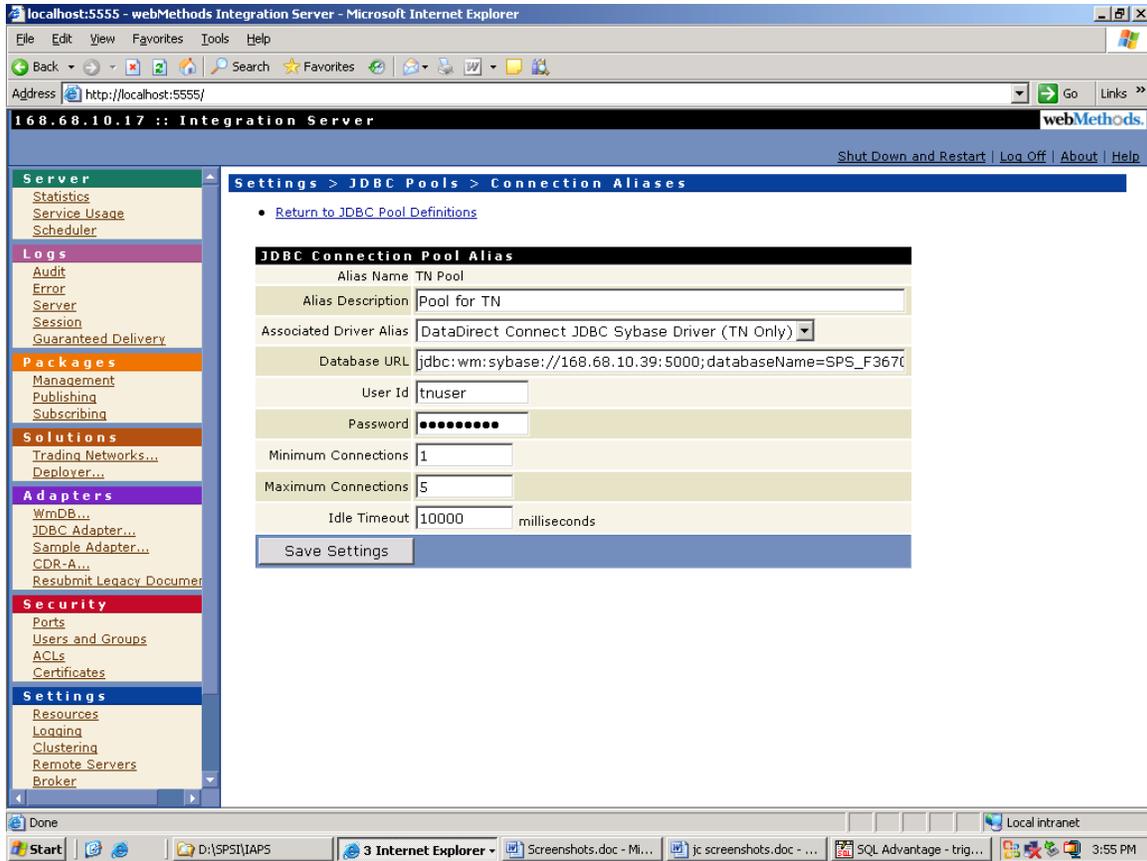
3. In the **Functional Alias Definitions** section of the main pane, click the **Test** icon for the **TN** row. The **Results of the Test** page displays.
4. Verify the following text appears at the top of the window “Test of TN successful.” If the test is unsuccessful, verify the TN Pool is configured correctly.



11-6.1.9 Verifying the TN Connection Pool is Configured Correctly

To verify the TN Connection Pool is Configured Correctly:

1. Log on to the webMethods Administrator page. The **webMethods Administrator** page displays)
2. In the **Settings** menu of the navigation pane on the left, click the JDBC Pools link. *The Settings > JDBC Pools page displays.*
3. In the **Pool Alias Definitions** section of the main pane, click **Edit** for the **TN Pool** row. The **Settings > JDBC Pools > Connection Aliases** page displays.



4. Verify the data on this page is correct. Specifically, verify the **User Id** and **Database URL** are correct.
5. If updates are made, click **Submit** and repeat the steps in the previous section “Verifying the TN Database Connection Pool is Working” to verify that the updates made corrected the problem.

Note: If the connection is still not working go back to the Connection Aliases page and enter the correct Password for the specified User Id. Click the ‘Save Settings’ button and re-test the connection.

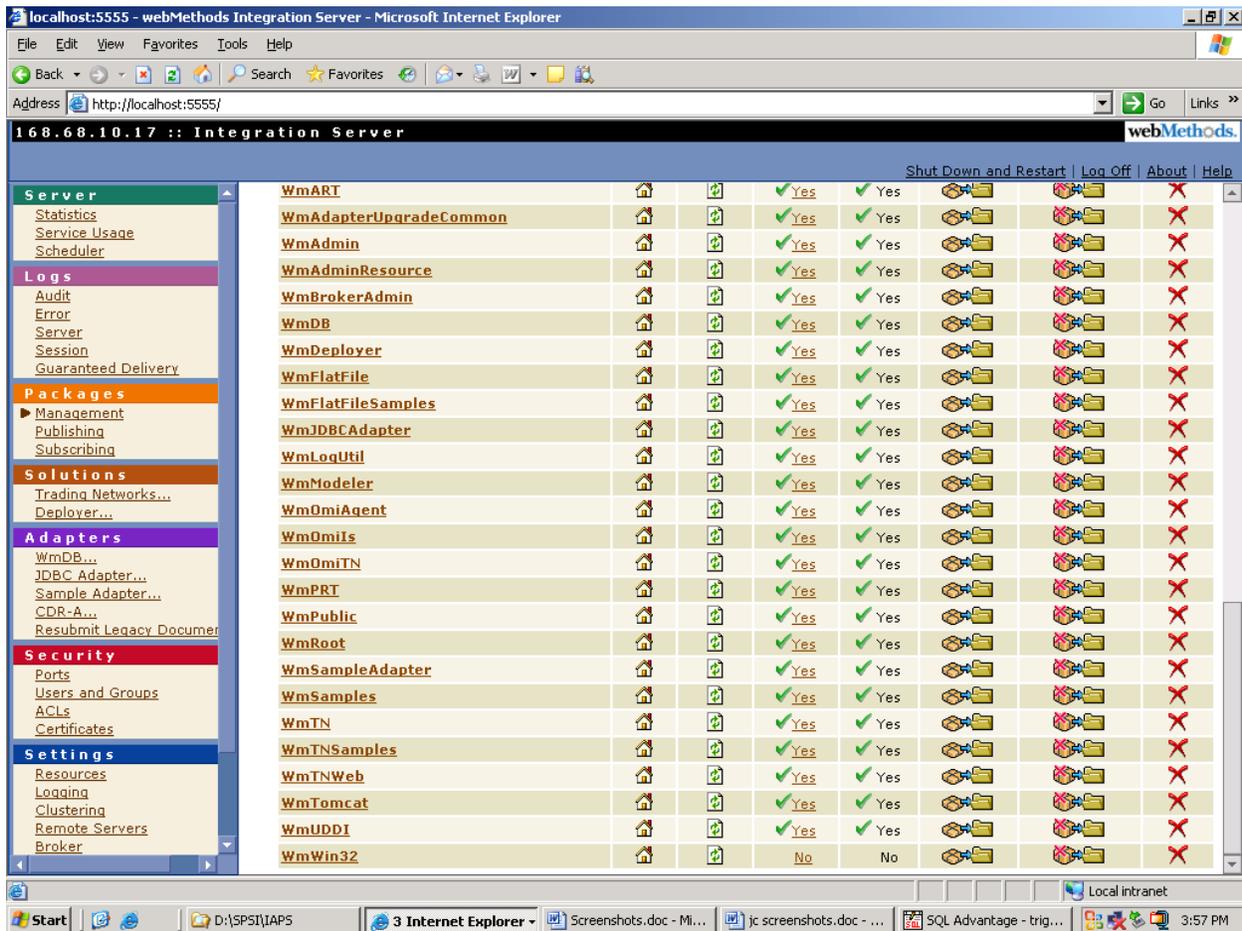
11-6.1.10 Verifying the TN Package is Fully Loaded

The webMethods Integration Server (IS) holds a number of code packages, one of which is the WmTN package. This package contains services which the IS uses to communicate and configure TN. Follow the steps below to ensure the WmTN package successfully loaded into the memory of the IS.

To verify the TN package is loaded:

1. Log on to the webMethods Administrator page. (*The webMethods Administrator page displays.*)

- In the **Packages** menu of the navigation pane on the left, click the Management link and scroll to the bottom of the right panel. (*The Packages > Management page displays.*)



- Verify the **Enabled** and **Loaded** columns contain the value for the WmTN row.
- If the row is not loaded, click the reload icon for the WmTN row.

11-6.1.11 Other Causes of Documents Failing to be Sent to TN

TN stores document data and metadata in the TN database. If the TN database is not functioning properly, documents may not get to TN. Common TN database issues that could cause this are the database or transaction logs are full, the usernames and/or passwords have changed or the TN database itself is down. Refer to Section “TN Database Maintenance Issues” for issues with the database or transaction logs.

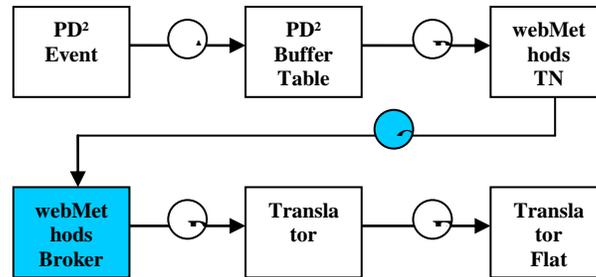


DIAGRAM – C

11-6.1.12 Are Document Types Configured to be Sent to the Broker?

After the PD² Adapter extracts the document and sends it to TN the document is sent to the Broker if, and only if, the event for the documents type is configured to publish the document to the broker.

To verify if a document is suppose to be routed to the Broker:

1. Follow the steps in the first part of [Section 6.1.6](#), “*Has the Buffer Table Row been Extracted?*” to get to the **Edit Events** page for the document type you are working with.
2. Locate the row for the event by looking at the two digit code in the **Event** column and the document type description located in the **Description** column. For a list of two digit event codes, refer to “[Attachment A: 2 Digit Event Codes](#)”.
3. Verify the event is enabled. Enabled events have a ‘1’ in the **Enabled** column. If it is not enabled, enable the event.
4. Verify the events Publication is set to ‘TN and Broker’. If it is not then update it. If the event is not present, add the event.

11-6.1.13 Is the Broker Properly Configured?

After the PD² Adapter routes data to TN, the data may be published to the Broker (as explained in the above section). The steps below ensure that the Broker is processing documents, the Broker is running, the IS is connected to the Broker and that the Broker is configured correctly.

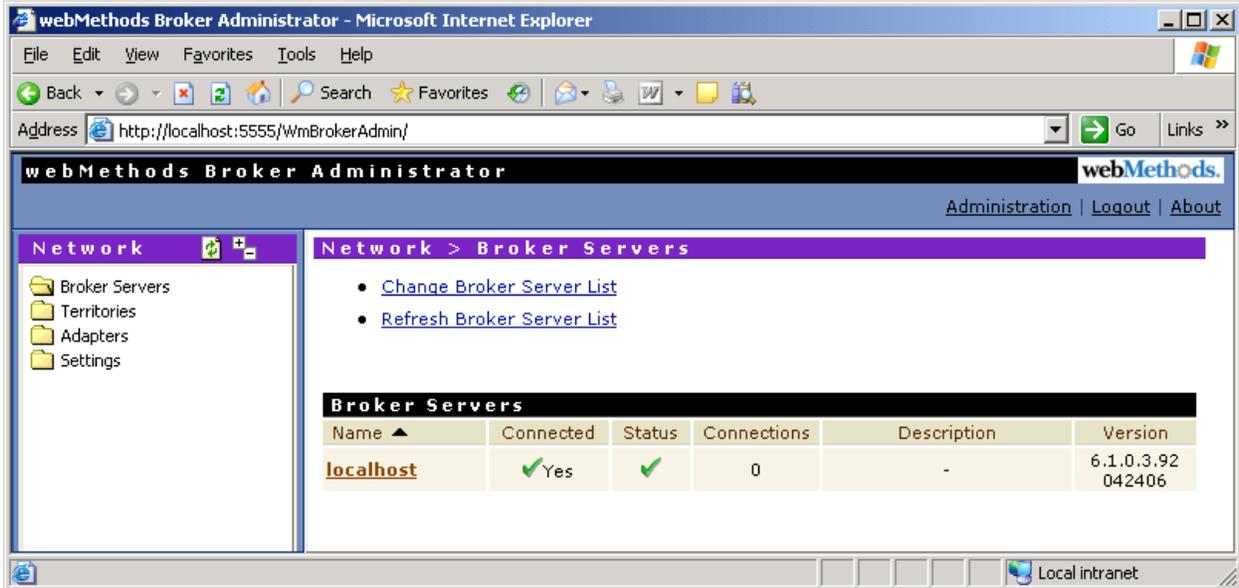
To see the last time the Broker processed a document:

1. Log on to the webMethods Broker Administrator page via <http://<SERVERNAME>:<PORT>/WmBrokerAdmin/>
(The *webMethods Broker Administrator* page displays.)

Note: If the **status** is not connected, click on the **connected** columns value for the row for the Broker server.

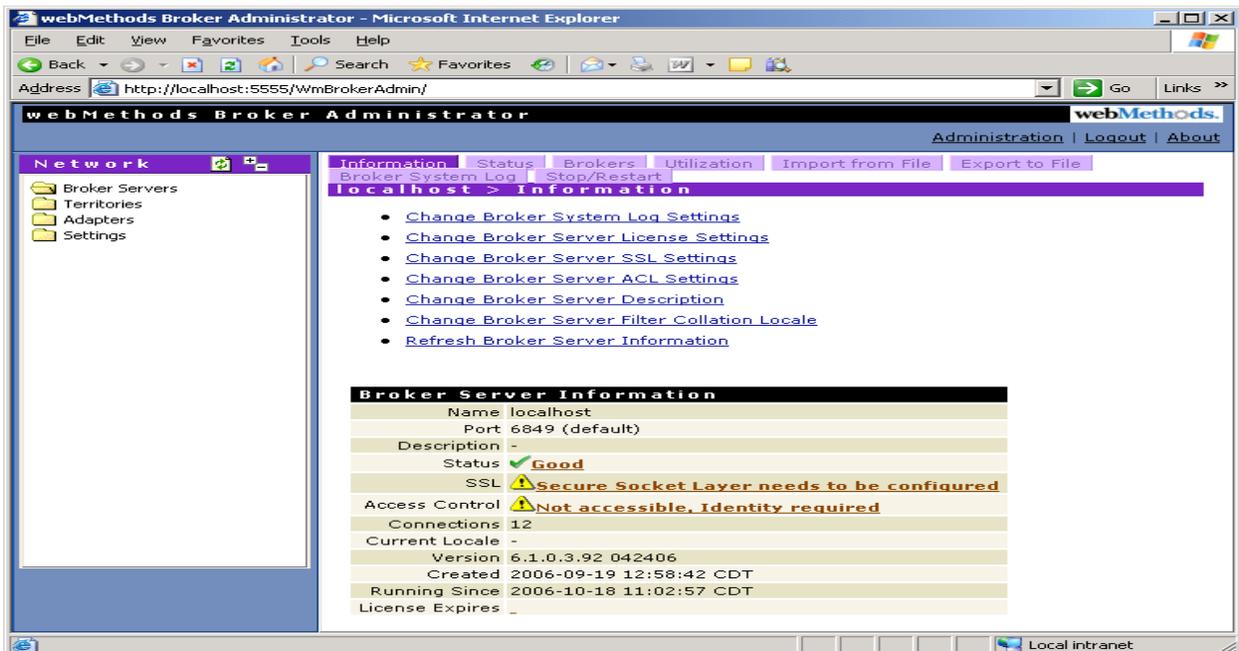
2. Click on the name of the Broker Server.
(The *Broker Administrator* page displays.)

3. Click the **Brokers** tab.
(The *Brokers on Broker Server ...* page displays.)



Note: If the **status** is not connected, click on the **connected** columns value for the Broker row.

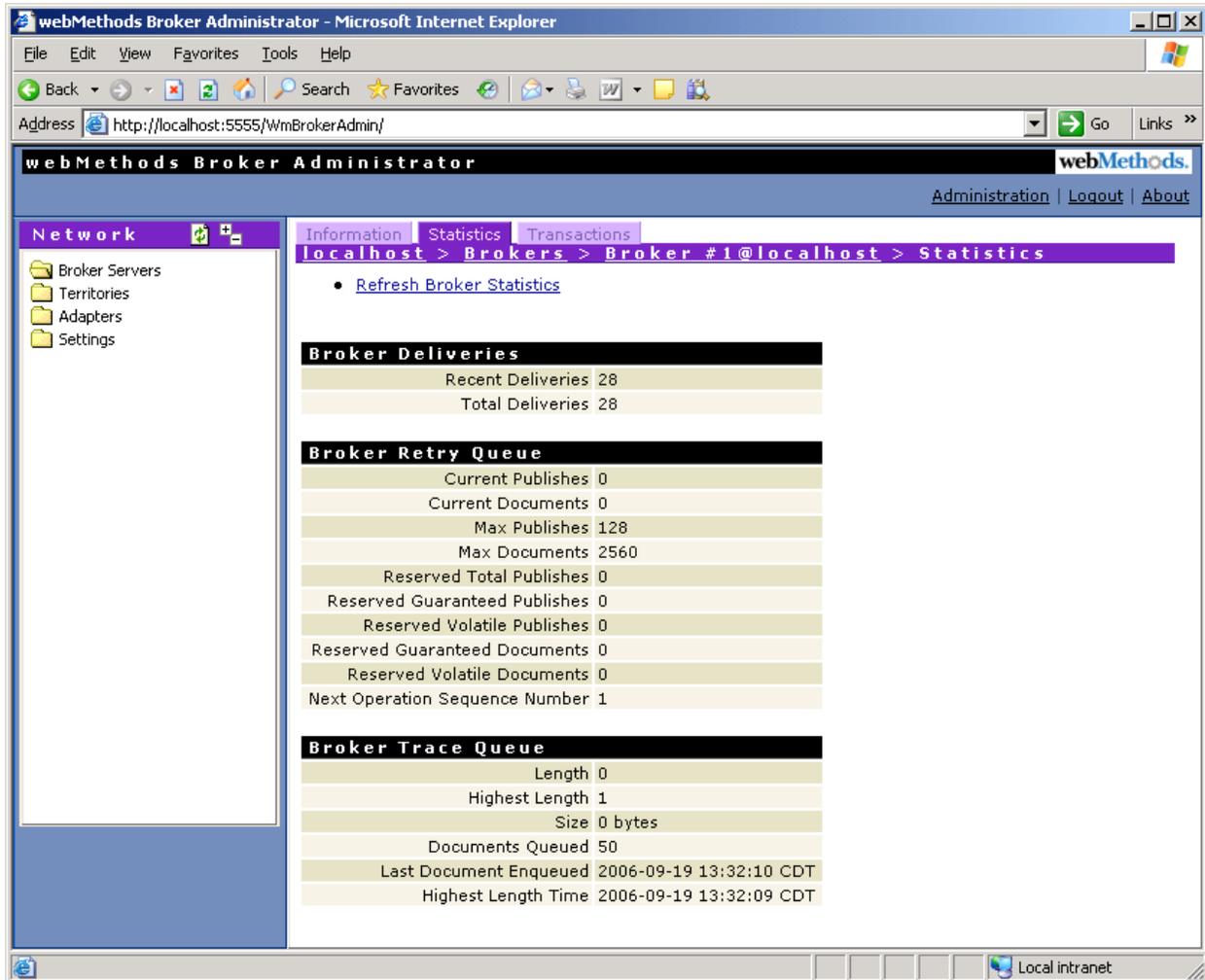
4. Click on the name of the Broker.
(The *Broker Information* page displays.)



5. Click the **Statistics** tab
(The *Broker Statistics* page displays.)

In the ‘**Broker Trace Queue**’ locate the ‘**Last Document Enqueued**’ date.

The date identified in the step above as the ‘**Last Document Enqueued**’ date is the date the last document was processed by the Broker.



To verify the Broker service is started:

1. From the Windows desktop, select Start > Settings> Control Panel>Administrative Tools> Services.

Note: On a Windows NT machine, select **Start > Settings > Control Panel > Services** from the Windows desktop.

*(The **Services** window opens.)*

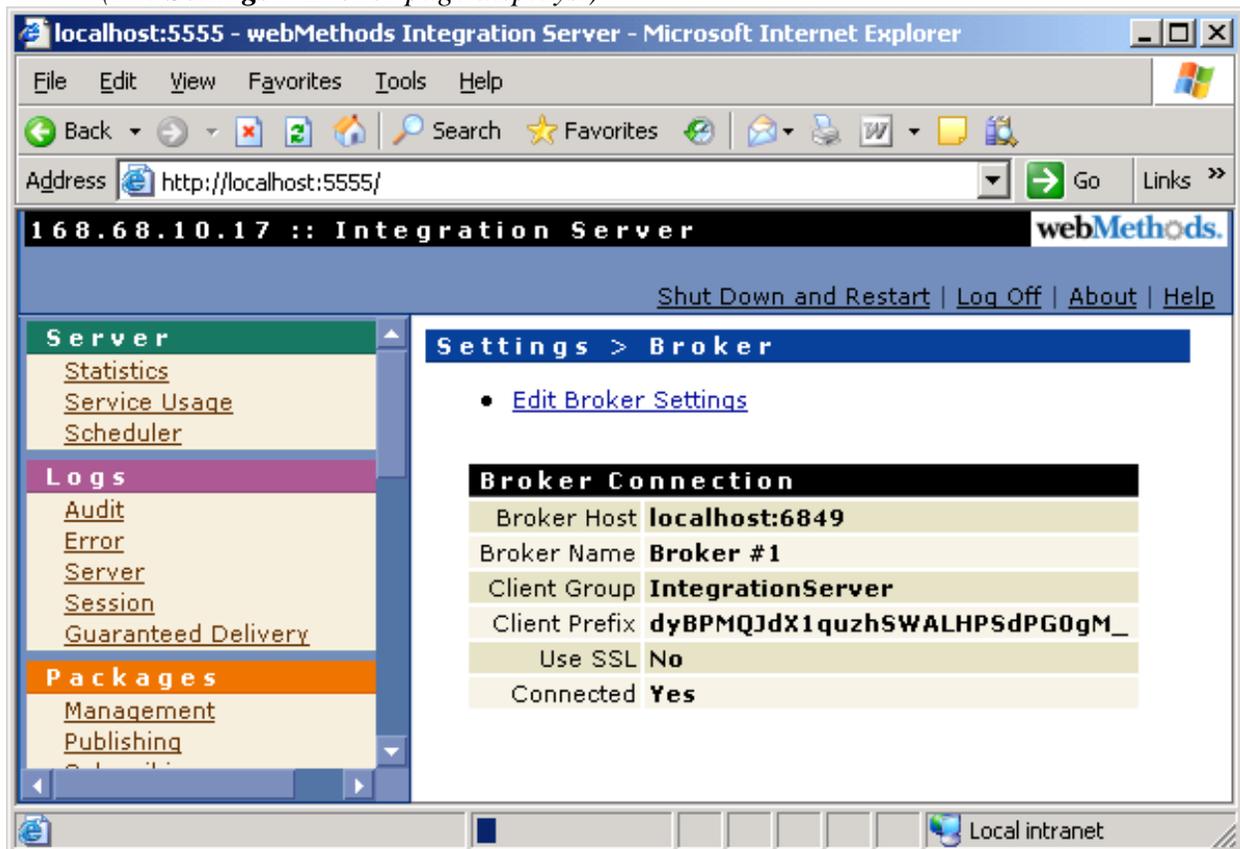
2. In the **Services** window, locate the **webMethods Broker Monitor 7.1** service in the *Name* column.
3. Verify the status is “**Started.**” If it is not started then select the service, click on the **Action** option on the Menu Bar and select **Start**.

(The Status column displays the value Started for both the webMethods Broker Monitor 7.1 and the webMethods Broker Server 7.1 services.)

4. Close the **Services** window.

To verify the Broker is Connected to the Integration Server:

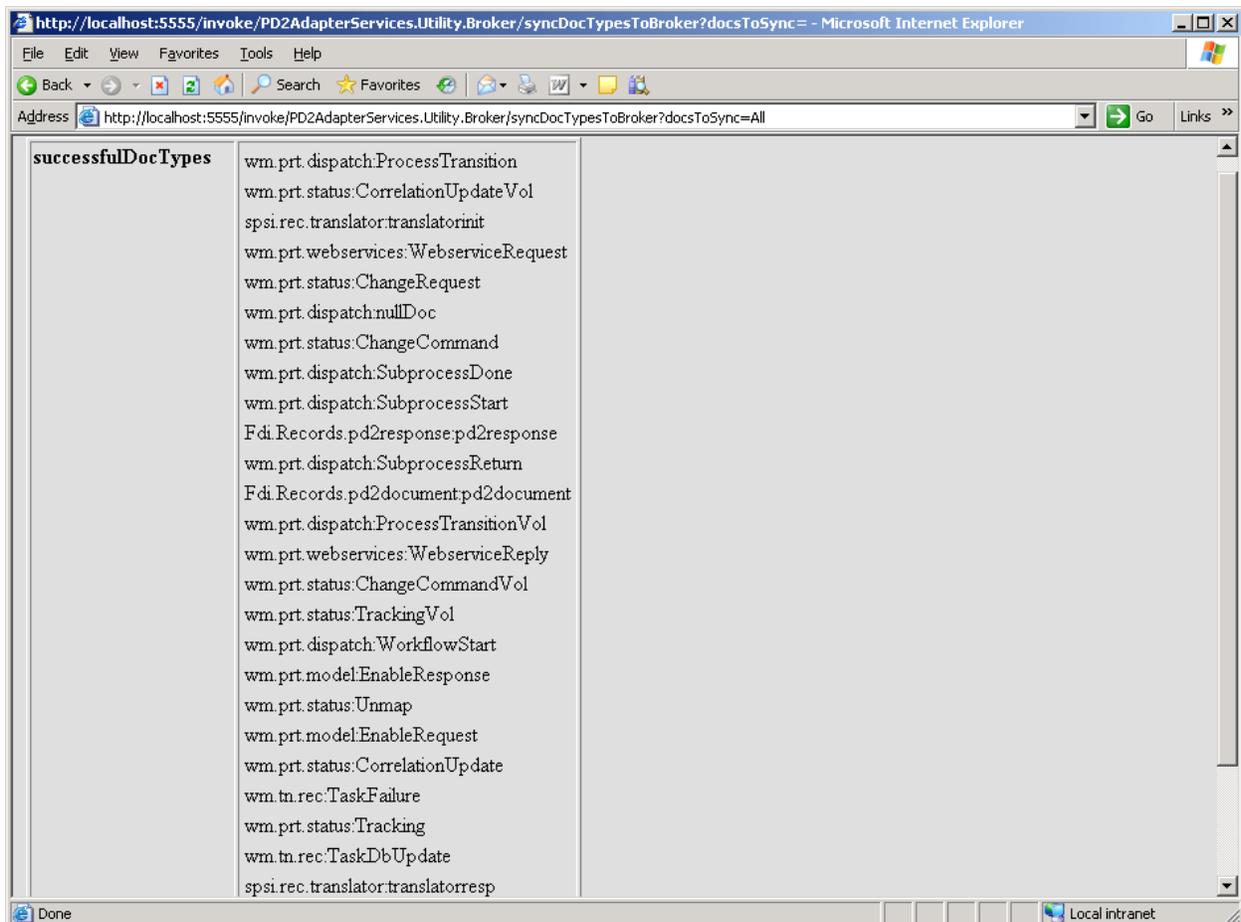
1. Log on to the webMethods Administrator page.
(The webMethods Administrator page displays.)
2. In the Settings menu of the navigation pane on the left, click the Broker link.
(The **Settings > Broker** page displays.)



2. Verify that the Broker is connected. 'Yes' should appear next to 'Connected'.
3. If the Broker is not connected, edit the Broker settings by selecting the **Edit Broker Settings** link.
(The **Settings > Broker > Edit** page displays.)
4. Update the Broker settings and select the **Save Changes** button and then verify the Broker is connected (as stated in step 3).

To synchronize the Broker's document types:

1. Open Internet Explorer.
(An *Internet Explorer* window opens.)
2. In the **Address** field enter the following URL, substituting the appropriate values for **<server>** and **<port>**:
http://<server>:<port>/invoke/PD2AdapterServices.Utility.Broker/syncDocTypesToBroker?docsToSync=All
(The *Enter Network Password* window opens.)
3. In the **Enter Network Password** window, enter the appropriate User Name and Password. The defaults are ‘Administrator’ and ‘Manage’ but these could have been changed.
Click **[OK]**. A gray screen displays the successful DocTypes.



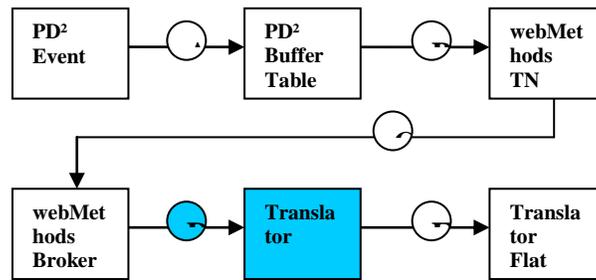


DIAGRAM - D

11-6.1.14 Is The Translator Picking Up Documents From the Broker?

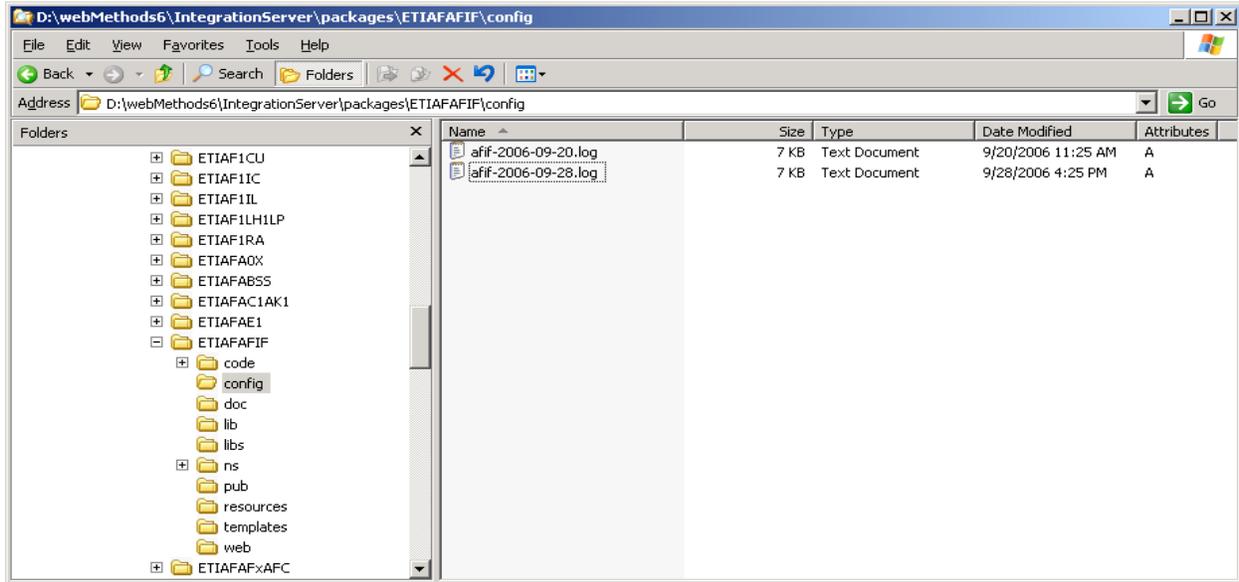
Each time the PD² Adapter publishes documents to the Broker; translators pick up the documents and begin logging their processing in an internal log. There is one translator per collection and each translator picks up only the document types which they are interested in. If no translators are interested in a document type the Broker discards the document (refer to the transactions Functional Specification Document for a list of selection criteria). If the document does not meet the selection criteria of a particular translator it is rejected. Because the translators log their activity, viewing the translator logs' latest timestamp indicates the last time the translator picked up a document for processing.

Note: All trigger(s) associated with a particular translator must be enabled for Documents to be processed. There may be more than one trigger associated with a particular translator.

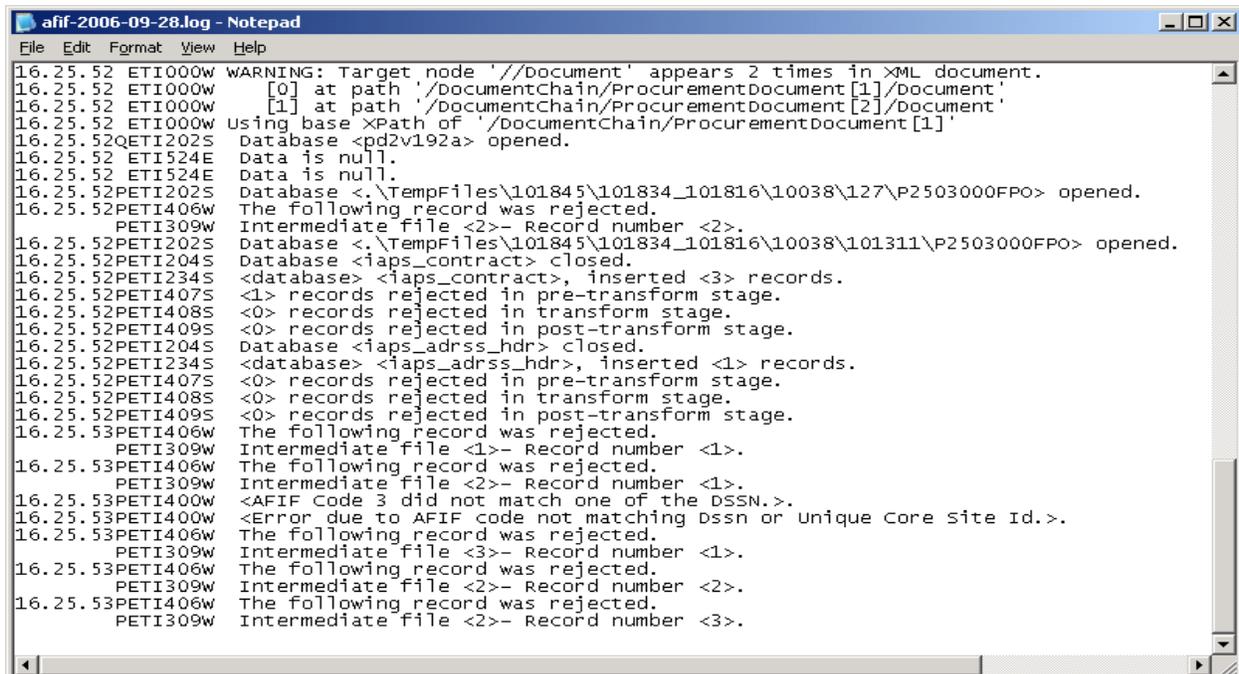
To verify that the translator picked up a document:

1. Open Windows Explorer and navigate to
**D:\webMethods71\IntegrationServer\packages\<TRANSLATOR
PACKAGENAME>\config**

Note: Replace ‘*TRANSLATOR PACKAGE NAME*’ with the name of the package which corresponds to the name of the translator you are verifying. Translator package names contain the collection name. Air Force translator packages have ‘AF’ in them such as ‘ETIAF11L’. For a complete list of installed translator packages view the folders in the D:\webMethods71\IntegrationServer\packages directory and locate the package corresponding to the translator you are troubleshooting.



2. Open the .log file with the latest modified date. Note: If no .log files are present either the translator has never run or the .log file was deleted.
3. View the latest timestamp in the file.



Note: The translators kick off at the time a document is extracted from PD². Once translated, the file is stored in a temp directory until it is scheduled to run. Therefore, the timestamp from outgoing translator logs will coincide with the time the document was extracted from PD², not the time the translator was scheduled to run. Extraction times are displayed for the documents in TN.

11-6.1.15 Is The Translator Rejecting Documents?

Outgoing documents are extracted via the PD² Adapter and are sent to TN. Therefore outgoing documents already have entries in TN by the time the translator executes. If an outgoing document is rejected by the translator a message explaining the reason why the document was rejected is attached to the existing document in TN.

If an outgoing document is rejected by the translator:

1. 'Errors from interface.' will appear as the User Status for the document in TN.
2. An error will appear in the Activity Log

Note: For more information about viewing the Activity log for a document in TN, refer to Section 5.2.5.1 "*Viewing Trading Networks Errors Associated with Specific Documents*" of the '*PD² Adapter v2.7 Functional User's Guide*'.

11-6.1.16 Is The Translator Selecting To Translate Documents?

The translators begin by checking if the document they are processing meets a set of processing criteria (these criteria can be found in the Translators FSD). If a document does not meet the processing criteria the document will not be processed. Processing criteria is different from rejection criteria in that a document that does not meet the processing criteria is simply ignored.

A document that fails processing criteria will have:

1. An entry in TN.
2. A translator log entry.

Example: 15.08.36 ETI006S Program execution started at <2005-04-08-15.08.36 Eastern Daylight Time> <2005-04-08-19.08.36 GMT>.
ETI002S Conversion name: \<<TRANSLATOR NAME>>.
ETI003S Conversion generation timestamp: <2005-04-04-17.04.57 Central Standard Time>.
ETI004S Step number <0>.
15.09.03 QETI202S Database <pd2v192a> opened.
15.09.03 QETI406W The following record was rejected.
QETI249W <Database> <pd2v192a>, record number <1>.

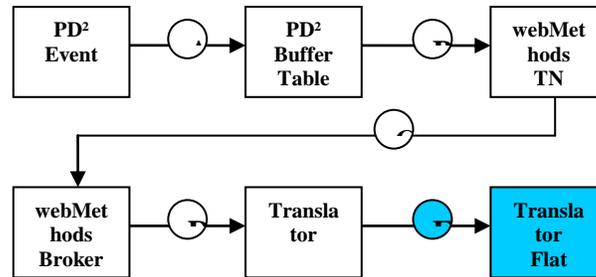


DIAGRAM – E

11-6.1.17 Are Documents on the File System?

The outgoing files name and location (directory path) will match what is in the CDR-A or for integrations not using the CDR-A they will match what is specified in the IntegrationProperties.xml file (the names are case sensitive). If files are not showing up in the directory verify the translator is scheduled and has run.

11-6.1.18 Is the Translator Scheduled?

To verify the Translator is scheduled and has run view the Interval and Next Run fields on the **webMethods Administrator>Server>Scheduler** page. Refresh the page and verify the Next Run value is decreasing. Keep refreshing to verify the Next Run value has decreased to zero and reset to its initial Interval value. If the number is larger than the initial Interval value then just keep refreshing the page as the translator is still running.

If it has run, check the translator log to verify that it has been kicked off. You can view the latest timestamp in the log file to validate that the translator has run.

Note: The translator log is located in the D:\webMethods71\IntegrationServer\packages*<TRANSLATOR PACKAGE NAME>*\config directory. Logs are created daily and have a date stamp associated with their name. If there is no file for the current date then the transaction is not being run.

11-6.2 Incoming Transactions

Air Force Interfaces that have incoming transactions include WARSS, WIMS, ABSS, DMLSS, AFWAY II, and SBSS. Refer to the FSDs for more details.

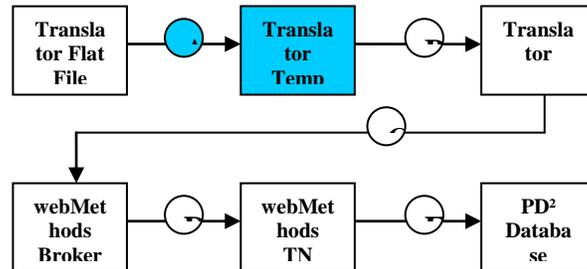


Diagram A1 – WARSS, WIMS, ABSS & SBSS

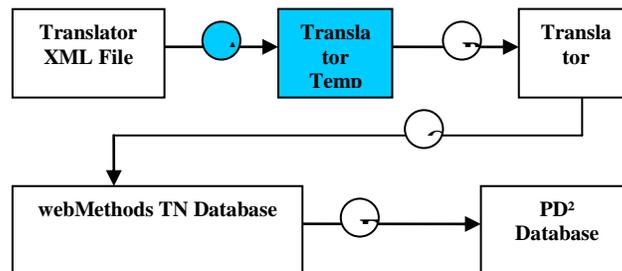


Diagram A2 - DMLSS & AFWAYII

11-6.2.1 Is the Translator Scheduled and Processing Documents?

The translators must be scheduled to process documents. If it is scheduled then the translator only processes documents that meet the selection criteria as specified in the FSD. Each time the translator picks up a document for processing it logs the progress/status in an internal log file. Each log file has a timestamp embedded in its name. The timestamp indicates the last time the translator processed a document. If this time coincides with the last time the translator was scheduled to run, the translator is kicking off.

To verify that the translator processed a document:

1. Open Windows Explorer and navigate to
D:\webMethods71\IntegrationServer\packages\<<TRANSLATOR PACKAGE NAME>\config

Note: Replace ‘TRANSLATOR PACKAGE NAME’ with the name of the package which corresponds to the name of the translator you are verifying. Translator package names contain the collection name. For example, Air Force translator packages have ‘AF’ in them like ‘ETIAF1IL’. For a complete list of installed translator packages view

all folders in the D:\webMethods71\IntegrationServer\packages directory and locate the package corresponding to the translator you are troubleshooting.

3. Open the .log file with the latest modified date.
Note: If no .log files are present either the translator has never run or the .log file was deleted.
4. View the latest timestamp in the file.
Note: For Integrations that utilize the CDR-A refer to Section 9 “Scheduler Configuration” of the ‘CDR-A Functional User’s Guide’. For integrations that do not utilize the CDR-A verify that the Integration Service is created and Active on the webMethods Administrator>Server>Scheduler page (similar to the multiPoll service verification in the first part of Section 3.1.2.1).

11-6.2.2 Are File Names and Locations correct?

The incoming files name and location (directory path) must match what is in the CDR-A or for integrations not using the CDR-A they must match what is specified in the IntegrationProperties.xml file (the names are case sensitive).

Note: For integrations that utilize the CDR-A refer to [Section 5 “Directory Configuration”](#) and [Section 5 “Filename Configuration”](#) of the ‘CDR-A Functional User’s Guide’. For integrations that do not utilize the CDR-A refer to the IntegrationProperties.xml file located in the D:\webMethods71\IntegrationServer\packages\IntegrationCommon\config directory.

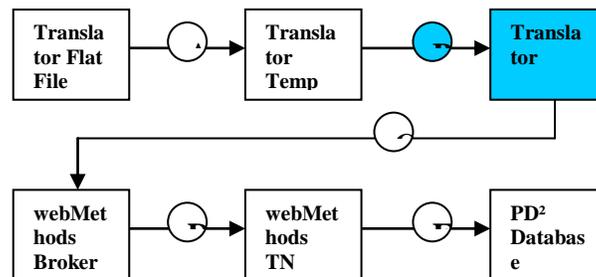


Diagram - B

11-6.2.3 Are Files being moved to the temp directory and then Archived?

If the incoming file is not being moved to the Archive directory then verify the transaction is scheduled and has run. To do this view the next run field on the **webMethods Administrator>Server>Scheduler** page. If it has run, check the translator log to see if it’s being kicked off.

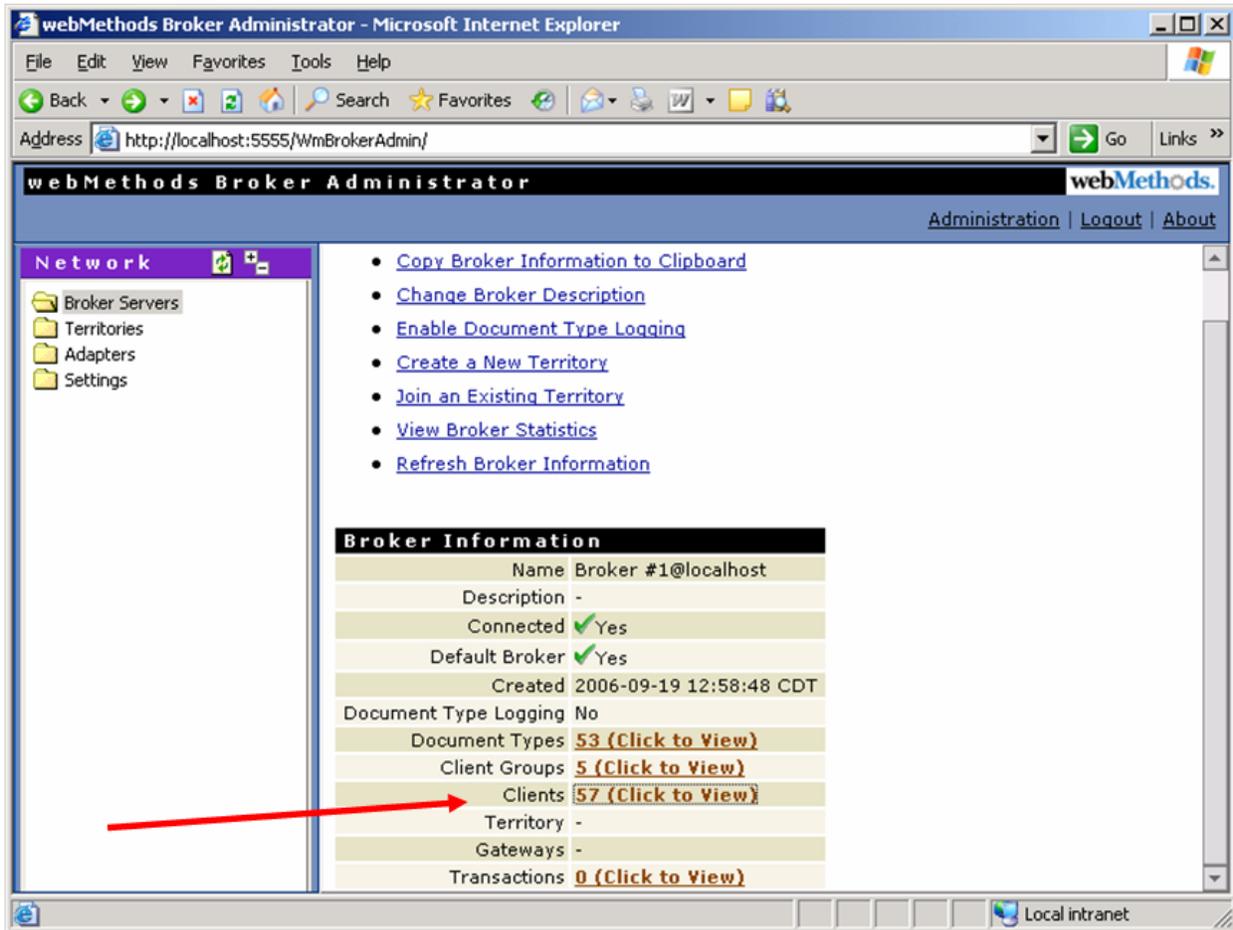
Note: The translator log is located in the ‘.\IntegrationServer\packages\<TRANSLATOR PACKAGE NAME>\config’ directory. Logs are created daily and have a date stamp associated with their name so if there is no file for the current date then the transaction is not being run.

11-6.2.4 Is the Broker Queue large?

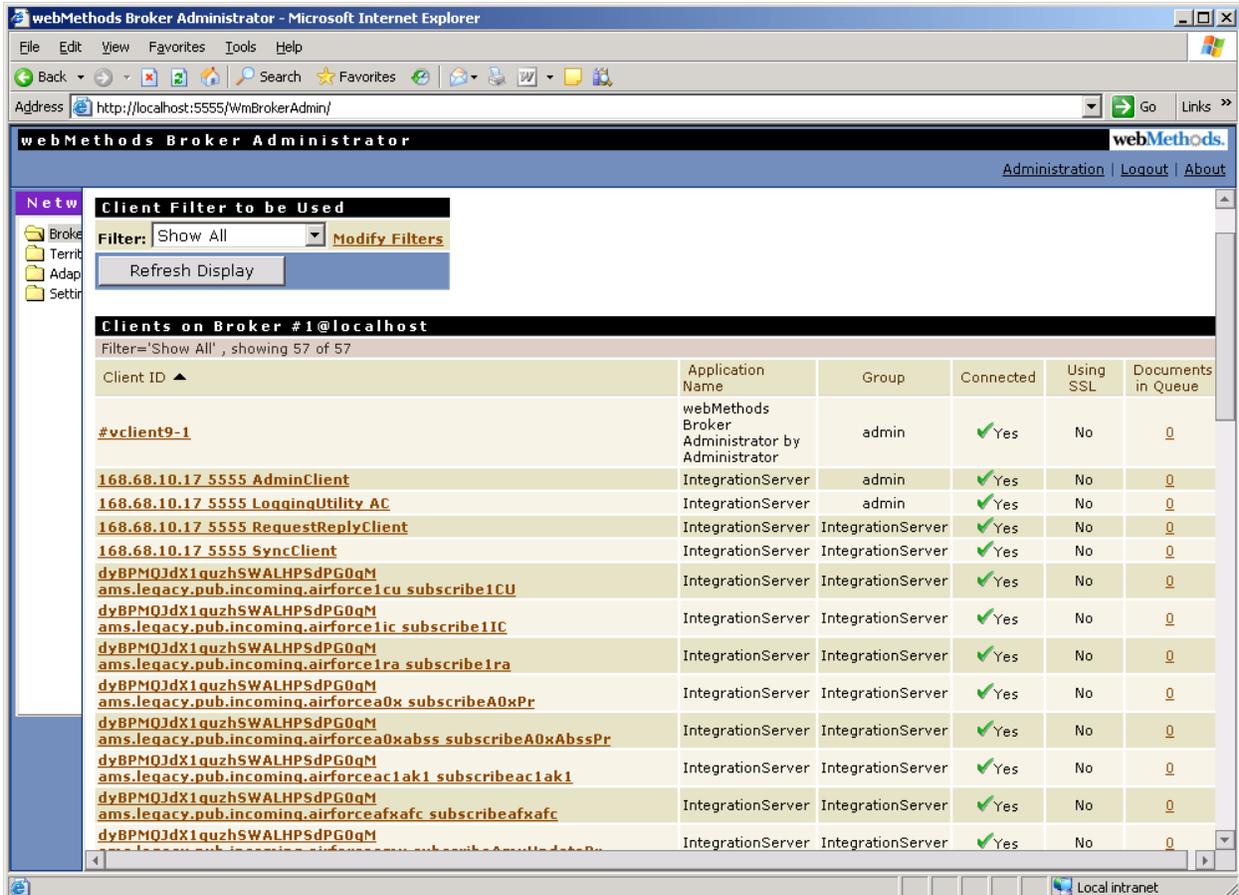
If the Broker Queue is large then processing documents will be very time intensive.

➤ To view the queues for particular translator:

1. Go to the Broker Server page as illustrated in Section “*Is the Broker Properly Configured?*” (steps 1 through 4) of this guide.
2. Under Broker Information click the **Clients** link.



3. Locate the trigger(s) you are interested in (the trigger name will reference the translator name) under the ‘Client ID’ column and verify if it is connected under the ‘Connected’ column. Look at the number under the Documents in Queue column.



To minimize document traffic through the broker:

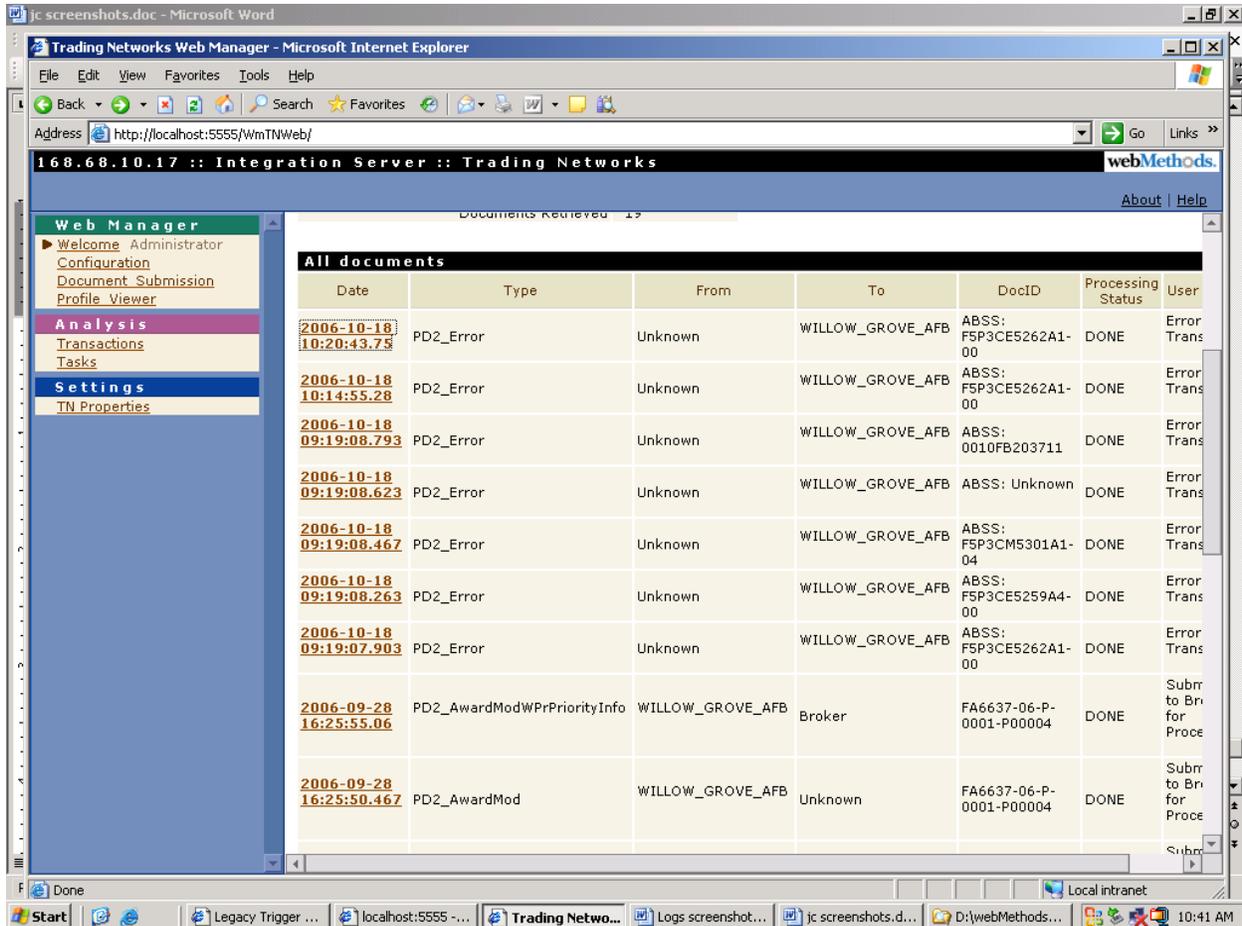
1. Synchronize the broker document types and check Broker Error log Refer to Section “*Is the Broker Properly Configured*” and sub section ‘To synchronize the Brokers document types’ of this guide. The Error Log can be viewed from the Broker Servers page by clicking on the ‘Error Log’ link in the navigation pane on left.
2. Verify triggers not necessary are disabled.
3. If you see triggers enabled that are not supposed to be then disable them. When this is done the broker will disregard these documents instead of storing them in a queue for processing.

11-6.2.5 Is The Translator Rejecting Documents?

Incoming documents that are rejected by the translator are sent to TN in the form of a PD2_Error document. The ‘PD2_Error’ document type captures the error issued by the translator.

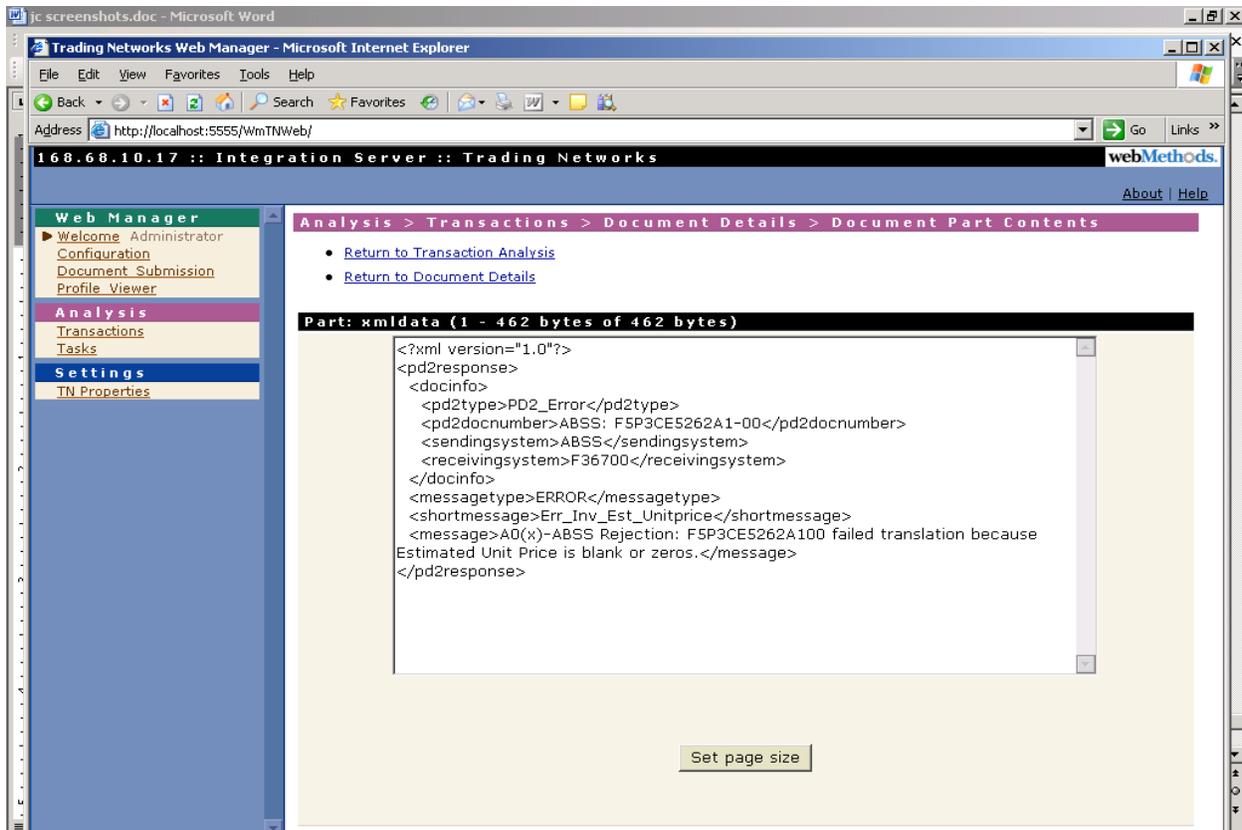
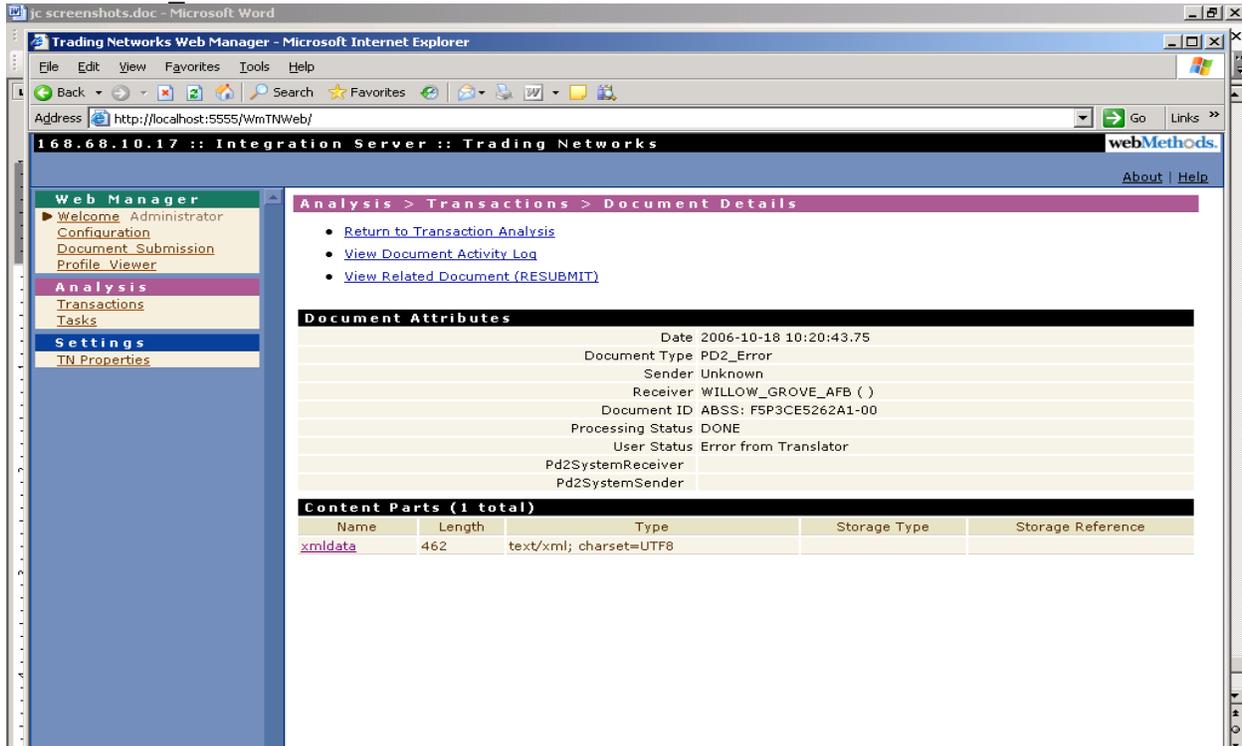
➤ If an incoming document is rejected by the translator:

1. A ‘PD2_Error’ document is sent to TN.



2. If a document number or document ID is identified by the translator it appears in TN as the ‘DocumentID’ of the ‘PD2_Error’ document. If a document number or document ID is not identified by the translator, the ‘DocumentID’ field in TN will be blank.

3. The error the translator identified will be present in the ‘message’ XML element of the ‘PD2_Error’ document.



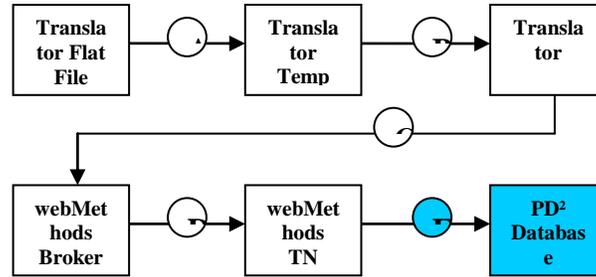


Diagram – E

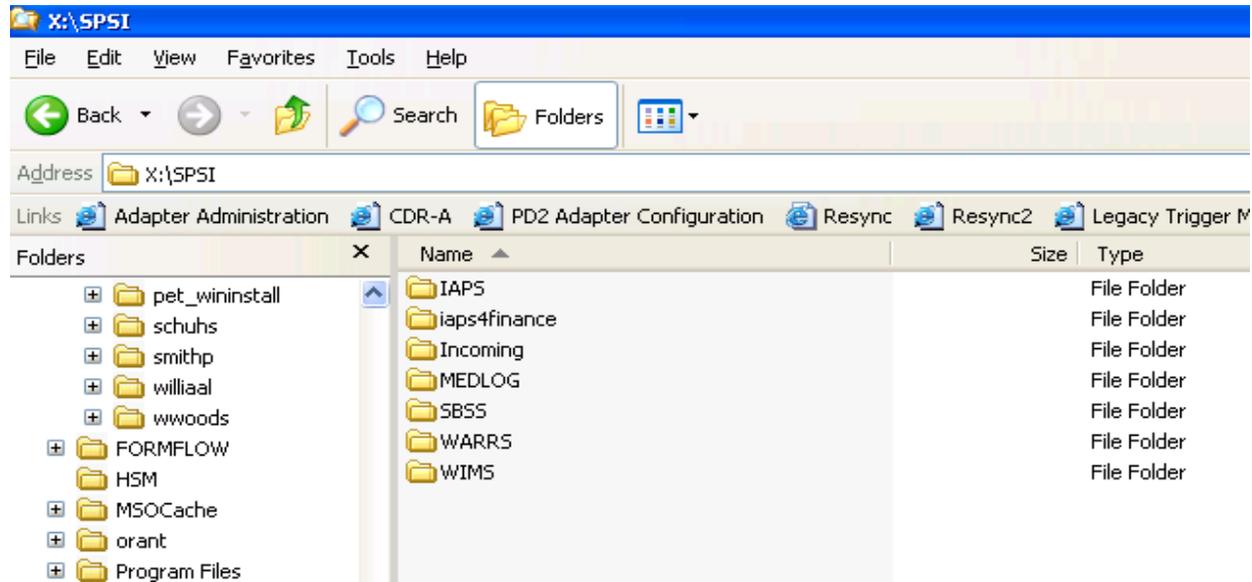
11-6.2.6 Are Documents in TN failing insertion into PD²?

If documents are failing insertion into PD² open the TN console and check the Activity Log, view the error messages associated with the document and verify the system information in the document xml is correct.

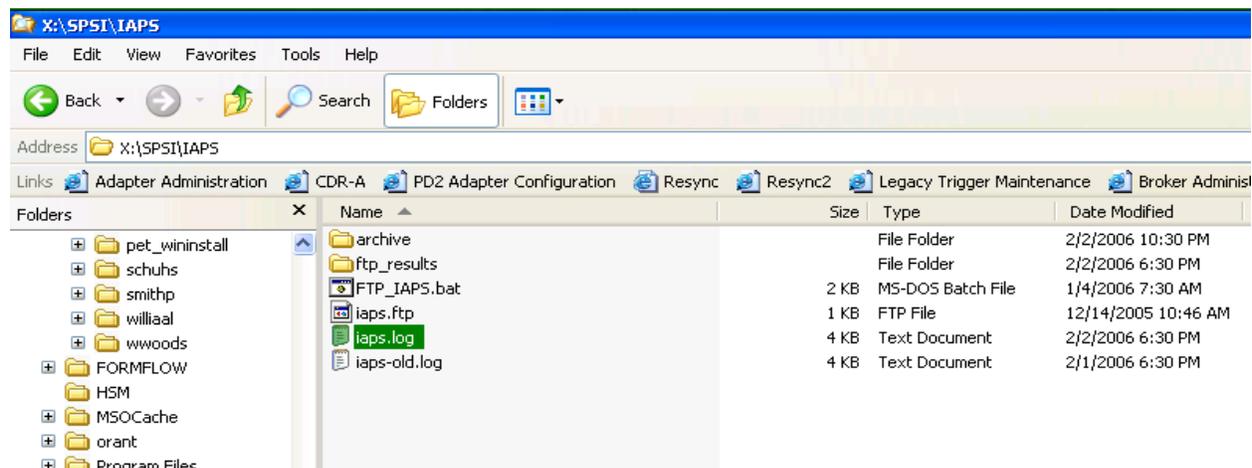
1. The document appears in TN under **Transaction Analysis** (it is referenced by its document number or document ID in the 'DocumentID' column).
2. To view the error message double click on the row identified above and the **Document Details** pop up box will display. Click on the **Activity Log** tab and look at the error messages (by clicking on the rows where Type is 'Error')
3. To view the system information in the xml click on the **Content** tab and scroll to the bottom.

11-7 TRANSLATOR LOG FILES

1. Right click "Start," select "explore" and navigate to the Adapter server drive where the SPSI folder is located. The folders entitled "IAPS," "iaps4finance," and "SBSS" are database repositories for processed outgoing PD² transactions. Folders under "Incoming" are repositories for documents coming into PD² from another source (broker).



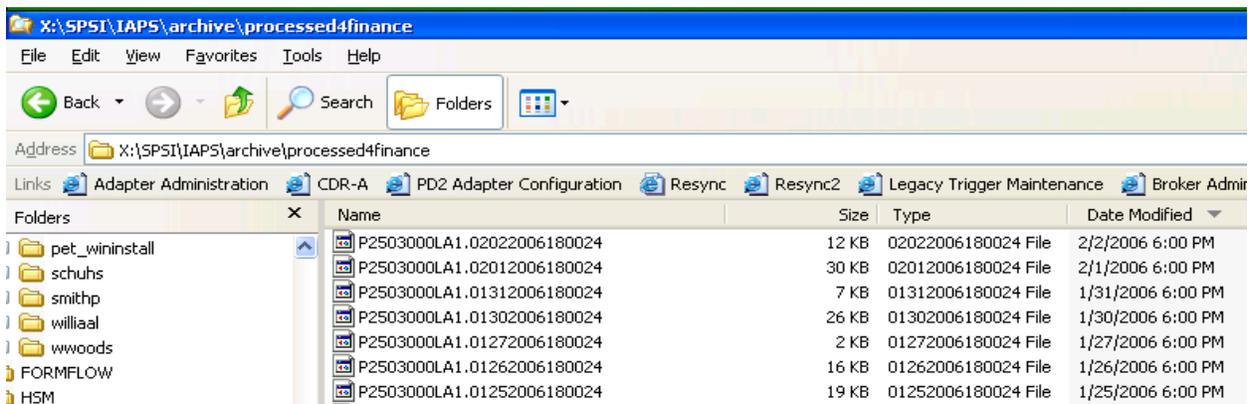
Open the "IAPS" folder. Outgoing IAPS transactions process



2. Open the iaps.log file. Check to see when IAPS is scheduled to run. Verify the previous day's outgoing transaction was successful. After confirming the transaction was successful, close the iaps.log file. Note: If the transaction was not successful, you'll have to determine why it wasn't.

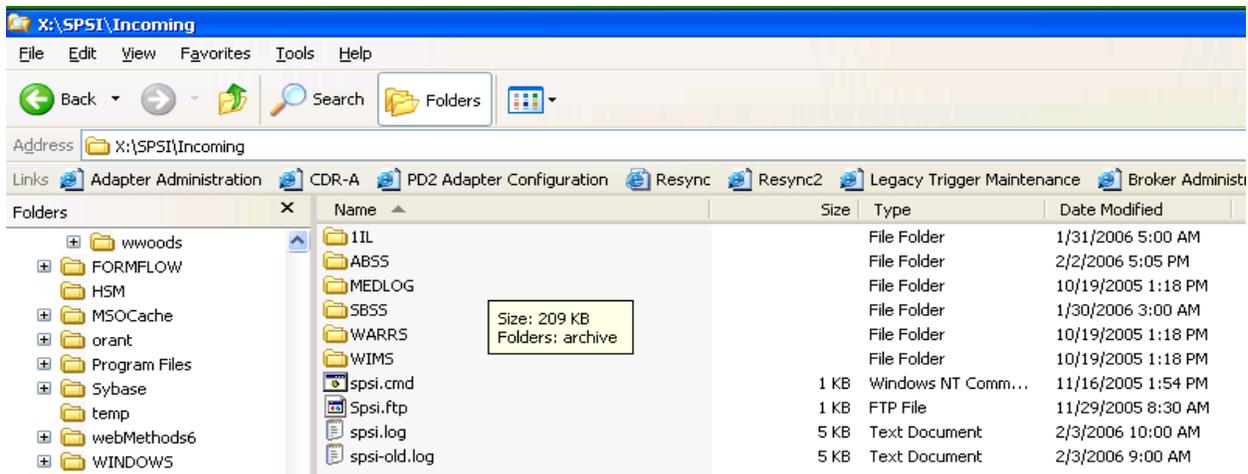
```
CONSTITUTES CONSENT TO MONITORING OF THIS SYSTEM. UNAUT  
USE MAY SUBJECT YOU TO CRIMINAL PROSECUTION. EVIDE  
UNAUTHORIZED USE COLLECTED DURING MONITORING MAY BE U  
ADMINISTRATIVE, CRIMINAL, OR OTHER ADVERSE ACTION. USE  
SYSTEM CONSTITUTES CONSENT TO MONITORING FOR THESE PURPOSES.  
  
ftp> ascii  
200 Command okay.  
ftp> interactive mode off .  
ftp> prompt  
Hash mark printing on ftp: (2048 bytes/hash mark) .  
ftp> hash  
mput P*  
200 Command okay.  
150 File status okay; about to open data connection.  
#####  
226 Closing data connection; requested file action successful. ←  
ftp: 11821 bytes sent in 0.00seconds 11821000.00kbytes/sec.  
ftp> bye  
221 Service closing TELNET connection.
```

Open the IAPS "archive" folder.

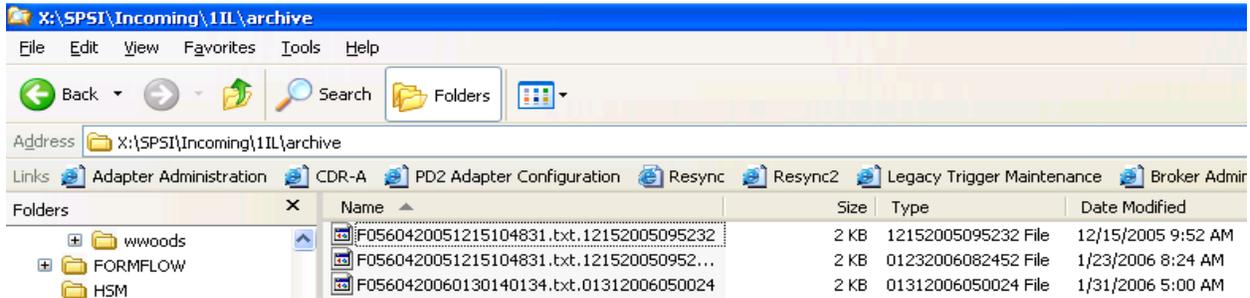


3. Open the "SBSS" outgoing folder to verify that the previous days transactions (if any) processed. Check to see when the SBSS interface is scheduled to run and verify that it was successful. Follow the same procedures for all out going integrations.

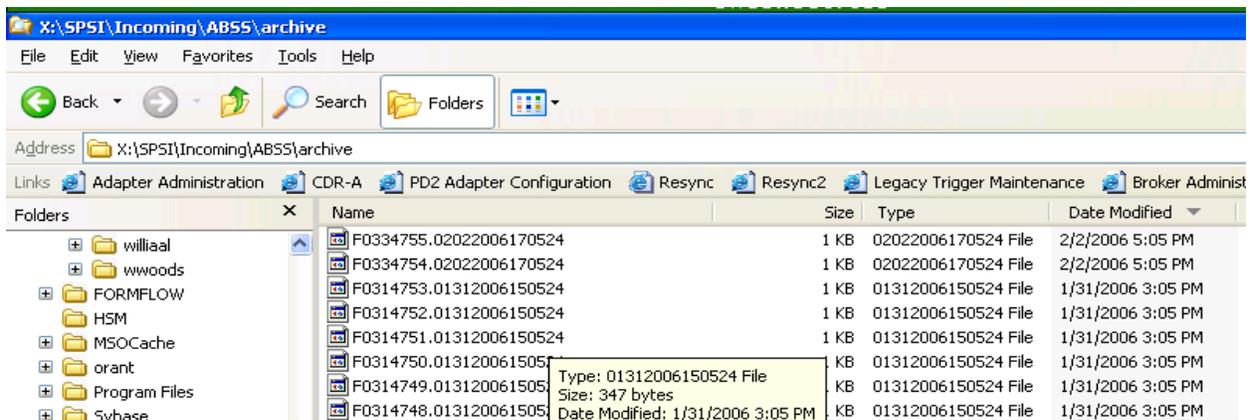
Open the "Incoming" folder at: D:\SPSI\Incoming.



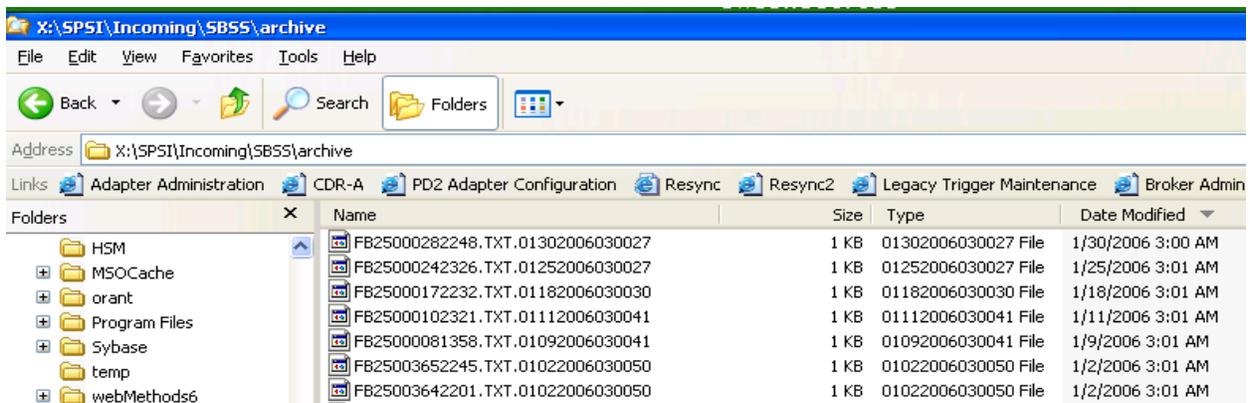
Open the "1IL" and "archive" folders. These incoming actions process intermittently, as required.



Open the "ABSS" and "archive" folder.



Open the "SBSS" and "archive" folders to verify whether any transactions processed.



Check the **Transaction Analysis** view in the TN Console to verify that documents are being inserted and extracted by the PD² Adapter. If there are no documents in the queue, the PD² Adapter may not be working correctly. If many transactions contain errors, review the Error Log (error.log).

11-8 TROUBLESHOOTING SPECIFIC ISSUES

11-8.1 TN Database Maintenance Issues

The JPMO standard configuration hosts the TN Database on the Sybase Adaptive Server Enterprise platform. Every document that is inserted or extracted using the PD² Adapter is stored in the TN Database. There are two maintenance issues that may arise due to the high transaction volume that the TN Database must support.

11-8.1.1 TN Database Log Segment Becomes Full

Symptoms

No documents are being inserted or extracted by the PD² Adapter. The **Running Query** status window stalls when the user refreshes the Transaction Analysis query through the TN Console. The following message appears in the Sybase error log:

Space available in the log segment has fallen critically low in database '<TN Database Name>'. All future modifications to this database will be suspended until the log is successfully dumped and space becomes available.

Diagnosis

Follow the steps below to diagnose the problem

1. Log into the master database via SQL Advantage or isql.
2. Run the sp_who command.
`sp_who`
`go`
3. If the TN database is in log suspend at least one of the processes will have a status = sleeping, dbname = <TN Database Name> and cmd = LOG SUSPEND:

Prescription

Follow the steps below to dump the transaction log

1. Log into the master database via SQL Advantage or isql.
2. Run the dump tran command.
`dump tran <TN Database Name> with no_log`
`go`
3. Run the sp_who command again to verify that the log segment is no longer suspended.

Note: If the log segment of the TN Database consistently runs out of space it should be extended using the same procedures as any other Sybase database. Refer to the document “Troubleshooting Transaction Log Errors” [Knowledge Base ID #5962](http://kb.caci.com) on <http://kb.caci.com> to dump your transaction log.

11-8.1.2 TN Database Data Segment Becomes Full

Symptoms

The following message appears in the webMethods error log:

com.sybase.jdbc2.jdbc.SybSQLException: Can't allocate space for object 'BizDocContent' in database '<TN Database Name>' because 'default' segment is full/has no free extents. If you ran out of space in syslogs, dump the transaction log. Otherwise, use ALTER DATABASE or sp_extendsegment to increase size of the segment.

Diagnosis

There is not enough free space in the TN Database to insert the document. Follow the steps below to diagnose the problem.

1. Log into the master database via SQL Advantage or isql.
2. Run the sp_helpdb command.
sp_helpdb <TN Database Name>
go
3. The device fragment information will be listed. You will see all device fragments that are part of the TN Database listed. There is not enough free space in the database segment if the total free Kbytes is lower than 300.

Prescription

If TN Archiving has been configured (it is by default) follow the steps below to manually run the **wm.tn.archive** service.

1. Log into the webMethods Administrator
2. Under the Packages menu click the Management link.
3. From **Packages > Management** click the WmTn link in the *Package List* column.
4. From **Packages > Management > WmTn** click the Browse services in WmTn link.
5. Click the wm.tn.archive:archive link.
6. Click the Test archive link.

7. In the **Assign Input Values** table, enter appropriate values for archiveAfterDays and deleteAfterDays. The archive service will move all TN documents older than the value entered for archiveAfterDays out of the main database tables and into the archive tables. The archive service will delete all documents older than the value entered for deleteAfterDays.
8. Click [**Test (with Inputs)**].
9. Log into the master database via SQL Advantage or isql.
10. Run the sp_helpdb command.
sp_helpdb <TN Database Name>
go
11. You should see the total free Kbytes column for the data fragments increase.

Note: If archiving documents does not provide enough free space the data segment should be extended using the same procedures as any other Sybase database. Refer to the document “Increasing the Size of Your Database” Knowledge Base ID 5951 on <http://kb.caci.com>.

11-8.2 Out of Memory Exceptions

High volume environments or environments that produce a low number of very large documents may experience java.lang.OutOfMemory errors. An OutOfMemory error occurs when the Java Virtual Machine (JVM) cannot allocate memory to an object and no more memory could be made available by the garbage collector. One strategy for reducing OutOfMemory exceptions is to increase the amount of memory that is available to the JVM. Another strategy is to reduce the number and/or size of objects that are read into memory at the same time.

11-8.2.1 Increasing RAM Available to JVM

In order to increase the memory settings for the JVM, complete the steps in Section 7.6.1.1 “Allocating RAM to the Integration Server” of the ‘PD2 Adapter v2.7 Functional User’s Guide’.

11-8.2.2 Best Practices for Managing JVM Memory

There are a number of configurations that can reduce the number and size of documents that are concurrently in memory.

- 1) Do not schedule multiple Incoming Integrations to run at the same time.
- 2) Disable unnecessary event subscriptions in the event subscription table.
- 3) Use extraction parameters to minimize the amount of extraneous data in outbound documents.

11-8.2.3 Minimizing Memory Allocation on Startup

The simplest way of clearing JVM memory is to restart the webMethods Integration Server. This does not always correct the OutOfMemory error for the following reason. The process that caused the OutOfMemory error did not complete prior to shutdown, so the webMethods Integration Server will begin the process again once it has come online. The OutOfMemory error could be triggered again during the webMethods Integration Server's second attempt to process the document. The best strategy for correcting the OutOfMemory error is to configure the webMethods Integration Server to start with a minimum number of processes. Once the Integration Server is online processes can be gradually re-enabled to determine the cause of the OutOfMemory error.

Use the guidelines below to start the webMethods Integration Server with a minimum amount of memory.

1. Shutdown the webMethods Broker Monitor and webMethods Broker Server services as described in Section 5.1.7 “*Stopping the webMethods Broker*” of the ‘*PD2 Adapter v2.7 Functional User’s Guide*’
2. Begin to disable all scheduled services by logging on to the webMethods Administrator page.
(*The webMethods Administrator page displays.*)
3. In the **Server** menu of the navigation pane on the left, click the Scheduler link.
(*The **Server** >Scheduler page displays.*)
4. Click the Active link for a scheduled task.
(*The Microsoft Internet Explorer message box displays.*)
5. Click [OK].
(*The **Server** >Scheduler page displays with a confirmation message.*)
6. Repeat steps 2-5 for all scheduled tasks.
7. Completely shutdown webMethods Integration Server.
8. Start the webMethods Integration Server.
9. Start the webMethods Broker, once the webMethods Integration Server starts without OutOfMemory errors.
10. Restart the webMethods Integration Server.
11. Enable all Suspended scheduled tasks.

11-8.3 Database Connection Issues

The PD² Adapter connects to the PD² database in two ways. The Fdi package uses its own connection mechanism to connect directly to the database. The connection information for the

Fdi Package is held in the XaccProperties.xml file located in the D:\webMethods71\IntegrationServer\packages\Fdi\config directory. All other packages connect to the PD² database via the webMethods WmDB package. The connection information for the WmDB package can be accessed via the **WmDB > Alias Management** page.

Note: *The PD2 Adapter Configuration page should be used to make all routine configuration changes.* This method will update the XaccProperties.xml file and the WmDB Alias with the same information.

As a rule of thumb, all connection errors that begin with com.ams.pilot.xacc are thrown by the Fdi connection mechanism. All errors that begin with com.wm are caused by a connection problem in the WmDB package.

11-8.3.1 Troubleshooting a WmDB Alias

At times it may become necessary to validate the WmDB alias database connection. Complete the following steps to validate the connection:

1. Log on to the webMethods Administrator page.
(*The **webMethods Administrator** page displays.*)
2. In the **Adapters** menu of the navigation pane on the left, click the WmDB link.
(*The **WmDB>Alias Management** page displays.*)
3. Highlight the database.
4. Click the [**Connect**] button.
(*The **WmDB > Service Generation > Connection Parameters** page displays.*)
5. Leave '**Table**' and '**View**' highlighted, and Click the [**Connect**] button.
(*The **WmDB > Service Generation > Connection Parameters > Tables** page displays.*)
6. If the alias is properly configured you should see a list of all user tables in the database. If you do not get a list of tables, then see the webMethods error log for specific error information.
7. Log into the PD2 database via SQL Advantage or isql.
8. Run the following select statement to obtain a list of all user tables in the PD2 database.
*select name from sysobjects
where type = 'U'
go*
9. Verify that the tables displayed during the alias test are in the PD2 database and not in the master database.

Attachments

Attachment A: Tasks for System Administrators

Validate Outgoing Transactions (IAPS)

1. Obtain a list of all released awards and modifications within a specified date range that should have been sent to the outbound interfaces. This can be done in several ways, such as running a Cognos report, EZQuery, or running a SQL script.
 - Realize any of these methods would need to pull all released awards and modifications for the specified date range for the specified Pay Office that is used in the interface setup.
2. Check the directory for each outbound interface and make sure the outbound file exist in the respective folders.
 - The outbound file with appropriate timestamp will be found in the archive directory
 - Open the files and verify that a transaction exists for each award and modification previously identified
 - Validate the outgoing ftp log reflects a successful ftp transmission
3. If there is a discrepancy between the number of documents that should have been sent and the number of actual outbound documents:
 - a. Go to the Buffer table and check to see if the pol_flg is set to '1' and the ext_flg is set to 'P.'
 - pol_flg = '1' indicates it was polled
 - pol_flg = '0' indicates it was not polled yet

 - ext_flg = 'P' indicates it was extracted.
 - ext_flg = 'E' indicates there was an error.
 - ext_flg = '0' indicates it was not extracted yet

If ext_flg = 'E,' first try reflagging the document through Script-Aid > Adapter Reflag by Document Number and seeing if it will process without errors. If the 'E' persists, contact the Help Desk.
 - b. Check Transaction Analysis in the Trading Networks console and search for any errors.
 - If there are errors in Transaction Analysis, double click the row with the error and check the Content tab for a more specific error message
 - If it is a translator error, you should check the appropriate Functional Specification Document (FSD) to better understand the error

Validate Incoming Transactions (ABSS, SBSS, etc)

- 1) There are several ways to verify if the inbound files were successfully processed.
 - a) One option is to log into PD² and verify all files were inserted (i.e. the PRs were created).
 - b) An alternate method is to compare how many inbound files were received that day or since it was last scheduled with how many PRs were created. If 7 incoming files were received that day, then there should be 7 PRs created as well.
 - c) Another option is to check Transaction Analysis in the Trading Networks console and verify that the documents were successfully inserted into the PD² database.
 - i) Under User Status in Transaction Analysis, it will say “Document inserted into PD²” or it will indicate if there was an error such as “Error from Translator.”
 - ii) If there are errors in Transaction Analysis in Trading Networks, double click the row with the error and check the Content tab for a more specific error message. If it is a translator error, you should check the appropriate Functional Specification Document (FSD) for more information.
- 2) Ensure that the files were picked up for translation.
 - a) Depending on when your interface is scheduled to pick up the files, the inbound interface directory may be empty. To ensure that files were actually picked up for translation, check the Archive folder. Check the time stamp on the archived files to ensure that they were processed recently. If there are no files with a relatively current time stamp, then this would indicate that no files were processed recently.
 - b) If there are files still sitting in the directory that should have been picked up, then you should check the scheduler to make sure it is configured properly. Also, check the setup in CDR-A to see what naming convention is needed to pick up files.
- 3) If there are no recent files in the archive folder, ensure that the files were received to be processed.
 - a) Check the directories for each inbound interface. The directory location for each interface is set up in the Configuration Data Repository – Administration (CDR-A) under the Directory menu. For example, ABSS incoming files are typically placed in D:\SPSI\Incoming\ABSS on the PD² database server.

Review TN Console – Transaction Analysis

If you have not yet used TN Console to check you inbound/outbound interfaces you should run a query using the Transaction Analysis function of the TN Console to review processing for the period of interest. If there are errors, double click the row with the error and check the Content tab for a more specific error message. Analyze all errors and identify them as either expected or unexpected. Troubleshoot any unexpected errors as required.

Validate Broker Queue

Validate the Broker Queue is not building up with an excessive number of transactions

Open the webMethods Broker Administrator website (<http://localhost:5555/WmBrokerAdmin>). This page is bookmarked on standard Air Force desktop computers.

In the “Broker Servers” table in the right window pane, click on the Broker Server name under the “Name” column. If the Broker Server name does not appear as a link, click the “In Progress” link under the “Connected” column until the Broker Server name appears as a link.

Click on the Brokers tab.

In the “Brokers” table, click on the Broker name under the “Name” column. If the Broker name doesn't appear as a link, click the “In Progress” link under the “Connected” column until the Broker name appears as a link.

In the “Broker Information” table, select the “Click to View” link next to “Clients.”

In the “Clients” table, evaluate any number greater than 0 in the “Documents in Queue” column. Typically the queues are at or near zero, if you have heavy activity they may rise but as transactions process the queues would be expected to go back down to zero

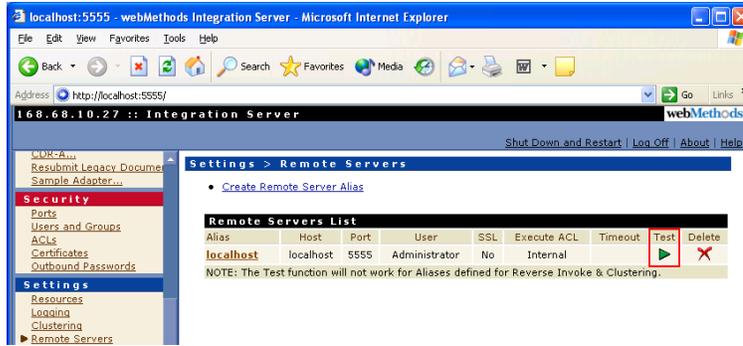
Detailed instructions on maintaining the Broker Queue can be found at: “attachment H: Clearing the webMethods Broker Queue”

60 Day Tasks:

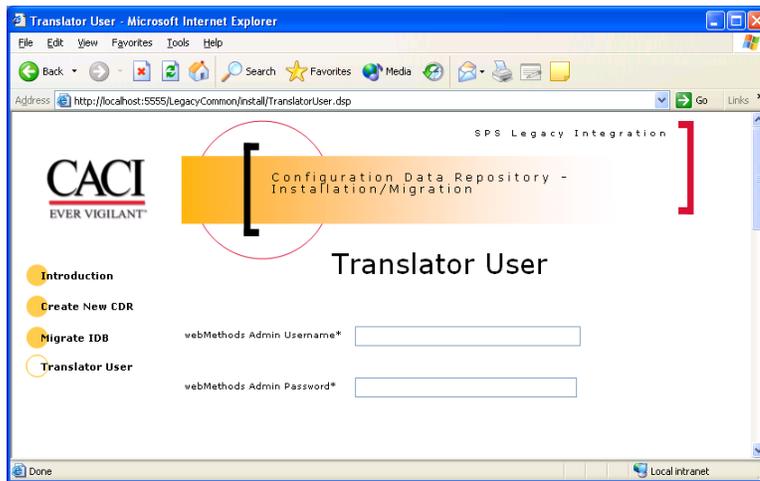
LDAP Account Password Change Procedures

This procedure allows you to change the password for the LDAP account that authenticates to Active Directory. This is one of the accounts that was created by the local Network Control Center (NCC) to be used by the Adapter. Air Force Active Directory requires you to change the password for an account every 60 days.

1. Contact the NCC, and arrange to have your LDAP accounts' passwords changed before the 60 days have expired. This procedure will vary by MAJCOM or site, but the webMethods LDAP accounts may not be able to log into a workstation and therefore you may not be able to initiate the password change by yourself.
2. Log into the Integration Server web application
 - from the server: <http://localhost:5555>
 - from your client machine: <http://21consadapter:5555/> (note the “21consadapter” would be changed to your adapter server name) or IP address
3. On the left-hand side of the page, click the **Remote Servers** link under **Settings**.
4. Click **localhost**.
5. Change **webMethods Admin Password** to the newly updated password of the webMethods Admin Username account listed. This is one of the passwords you updated in Step 1.
6. Click **Save**.
7. Test the Remote Server Connection by clicking the green triangle under the **Test** column. When you see that the test was successful, you may proceed to the next step.



8. Click the **Create CDR** link under the Internet Explorer **Favorites** menu.
9. Click **Translator User**.
10. Change **webMethods Admin Password** to the newly updated password of the webMethods Admin Username account listed. This is one of the passwords you updated in Step 1.
11. Scroll down, and click **Save**.



Close Internet Explorer.

Adapter Password Change Procedure: Adapter passwords are now changed automatically by the Dashboard.

Semi-Annual Tasks

Deleting Logs in WebMethods

Semi-annually delete logs over 180 days old from the following directories:

Note: *There is not a requirement to save the old logs, but you have the option to move them to another media (CD-R, DVD, etc.) for historical purposes vs. deleting them.*

D:\webMethods6\IntegrationServer\logs
D:\webMethods6\IntegrationServer\packages\ETIAF1CU\config
D:\webMethods6\IntegrationServer\packages\ETIAF1IC\config
D:\webMethods6\IntegrationServer\packages\ETIAF1IL\config
D:\webMethods6\IntegrationServer\packages\ETIAF1LH1LP\config
D:\webMethods6\IntegrationServer\packages\ETIAF1RA\config
D:\webMethods6\IntegrationServer\packages\ETIAFA0X\config
D:\webMethods6\IntegrationServer\packages\ETIAFABSS\config
D:\webMethods6\IntegrationServer\packages\ETIAFAC1AK1\config
D:\webMethods6\IntegrationServer\packages\ETIAFAE1\config
D:\webMethods6\IntegrationServer\packages\ETIAFAE1MED\config
D:\webMethods6\IntegrationServer\packages\ETIAFAFIF\config
D:\webMethods6\IntegrationServer\packages\ETIAFAFxAFC\config
D:\webMethods6\IntegrationServer\packages\ETIAFAMX\config
D:\webMethods6\IntegrationServer\packages\ETIAFATX\config
D:\webMethods6\IntegrationServer\packages\ETIAFCDFCT\config
D:\webMethods6\IntegrationServer\packages\ETIAFCDFLI\config
D:\webMethods6\IntegrationServer\packages\ETIAFEDD\config
D:\webMethods6\IntegrationServer\packages\ETIAFLCC\config
D:\webMethods6\IntegrationServer\packages\ETIAFLPA\config
D:\webMethods6\IntegrationServer\packages\ETIAFLPS\config
D:\webMethods6\IntegrationServer\packages\ETIAFLPSLPX\config

Automating Deleting Logs in WebMethods

- 1) Using Notepad, create a file named “PurgeAdapterLog.vbs” that contains the following script (copy and paste everything between the Beginning and End of Script into Notepad)

----- Beginning of Script -----

Option Explicit

ON ERROR RESUME NEXT

Dim i, FSO, dirPathList(21), dirPath, dir, fileList, file, fileAge

dirPathList(0) = "D:\webMethods6\IntegrationServer\logs"

dirPathList(1) = "D:\webMethods6\IntegrationServer\packages\ETIAF1CU\config"

dirPathList(2) = "D:\webMethods6\IntegrationServer\packages\ETIAF1IC\config"

dirPathList(3) = "D:\webMethods6\IntegrationServer\packages\ETIAF1IL\config"

dirPathList(4) = "D:\webMethods6\IntegrationServer\packages\ETIAF1LH1LP\config"

dirPathList(5) = "D:\webMethods6\IntegrationServer\packages\ETIAF1RA\config"

dirPathList(6) = "D:\webMethods6\IntegrationServer\packages\ETIAFA0X\config"

dirPathList(7) = "D:\webMethods6\IntegrationServer\packages\ETIAFABSS\config"

dirPathList(8) = "D:\webMethods6\IntegrationServer\packages\ETIAFAC1AK1\config"

dirPathList(9) = "D:\webMethods6\IntegrationServer\packages\ETIAFAE1\config"

dirPathList(10) = "D:\webMethods6\IntegrationServer\packages\ETIAFAE1MED\config"

dirPathList(11) = "D:\webMethods6\IntegrationServer\packages\ETIAFAFIF\config"

```
dirPathList(12) = "D:\webMethods6\IntegrationServer\packages\ETIAFAFxAFC\config"  
dirPathList(13) = "D:\webMethods6\IntegrationServer\packages\ETIAFAMX\config"  
dirPathList(14) = "D:\webMethods6\IntegrationServer\packages\ETIAFATX\config"  
dirPathList(15) = "D:\webMethods6\IntegrationServer\packages\ETIAFCDFCT\config"  
dirPathList(16) = "D:\webMethods6\IntegrationServer\packages\ETIAFCDFLI\config"  
dirPathList(17) = "D:\webMethods6\IntegrationServer\packages\ETIAFEDD\config"  
dirPathList(18) = "D:\webMethods6\IntegrationServer\packages\ETIAFLCC\config"  
dirPathList(19) = "D:\webMethods6\IntegrationServer\packages\ETIAFLPA\config"  
dirPathList(20) = "D:\webMethods6\IntegrationServer\packages\ETIAFLPS\config"  
dirPathList(21) = "D:\webMethods6\IntegrationServer\packages\ETIAFLPSLPX\config"  
fileAge = 180  
For i = 0 to UBound(dirPathList)  
    Set FSO = CreateObject("Scripting.FileSystemObject")  
    dirPath = dirPathList(i)  
    Set dir = FSO.GetFolder(dirPath)  
    Set fileList = dir.Files  
    For Each file in fileList  
        If file.DateLastModified < (Date() - fileAge) Then  
            File.Delete(True)  
        End If  
    Next  
    Set FSO = Nothing  
    Set dir = Nothing  
    Set fileList = Nothing  
    Set file = Nothing  
Next  
----- End of Script -----
```

- 2) Save the “PurgeAdapterLog.vbs” script to a directory on the Adapter server such as (create directory if needed): D:\scripts\cleanlogs\
- 3) Schedule the “PurgeAdapterLog.vbs” script to run every 6 months
 - a) From the Control Panel, open “Scheduled Tasks”, Open “Add Scheduled Task”
 - b) From the Scheduled Task Wizard select “Next”
 - c) Select “Browse”, navigate to the directory where “PurgeAdapterLog.vbs” is located, highlight “PurgeAdapterLog.vbs” then select “Open”
 - d) Select the “Monthly” radio button then select “Next”
 - e) Pick a Start time that does not interfere with nightly backups such as 6:00 pm, select a day such as “1”, select 2 months that provide a 6 month interval such as January and July (deselect all other months), select “Next”



- f) Enter the user account and password info that is used to run scheduled tasks on the server.
- g) Select “Finish”

Attachment B: Event Codes

The table below lists all event codes with their associated events.

Event Code	Event
AP	Approval
UAP	Unapproval
RE	Release
SN	Signature
ASN	ACO Signature
KSN	KO Signature
NEW	New Org/Vendor
UPD	Updated Org/Vendor
CN	Cancellation
CO	Closeout
DE	Deletion
TM	Termination

Attachment C: Available Scripts for webMethods Integration Server Administration

Script Aid > Adapter Buffer Diagnostic

Purpose: This script queries all of the rows in the pd2_buffer_pmo table which is used by the Adapter. It will return all rows, or can return rows from a provided date range.

Note: All pre-defined events that occur within the PD² database will be inserted into the pd2_buffer_pmo table, regardless of whether or not they are enabled in the event subscription table. Therefore, it may be easier to run a SQL script against the buffer table that will identify those specific events in the buffer table that “should” get extracted.

SQL scripts for Released documents in pd2_buffer_pmo

Purpose: List contents of “RE” (released documents) in pd2_buffer_pmo table\

By Date

```
SELECT dsk_obj.obj_usr_num, pd2_buffer_pmo.*  
  
FROM dsk_obj, pd2_buffer_pmo  
WHERE dsk_obj.obj_id = pd2_buffer_pmo.obj_id  
and pd2_buffer_pmo.pd_event = "RE"  
and pd2_buffer_pmo.ins_tmstp >= "12/6/2025 0:00AM"  
and pd2_buffer_pmo.ins_tmstp <= "12/6/2025 11:59PM"
```

By Document Number

```
SELECT dsk_obj.obj_usr_num, pd2_buffer_pmo.*  
  
FROM dsk_obj, pd2_buffer_pmo  
WHERE dsk_obj.obj_usr_num = "FA2517-06-F-XXXX"  
and dsk_obj.obj_id = pd2_buffer_pmo.obj_id  
and pd2_buffer_pmo.pd_event = "RE"
```

List Only Contract Number for All Released Documents

```
SELECT dsk_obj.obj_usr_num  
FROM dsk_obj, pd2_buffer_pmo  
WHERE dsk_obj.obj_id = pd2_buffer_pmo.obj_id  
and pd2_buffer_pmo.pd_event = "RE"
```

List Released Solicitations and Amendments by Date

```
declare @start datetime, @end datetime
SELECT @start = 'Oct 25 2006 12:00AM'
SELECT @end = 'Oct 25 2006 11:59PM'
select p.obj_usr_num, b.* from dsk_obj p, pd2_buffer_pmo b
where b.obj_type in ('18M', 'RFQ', '49S', '49M', '33M')
and b.pd_event = 'RE'
and b.evt_tmstp between @start and @end
and b.obj_id = p.obj_id
```

Query pd2_event_subscription_pmo

Purpose: List contents of pd2_event_subscription_pmo table

```
select *
from pd2_event_subscription_pmo
order by type_in, pd_event, obj_type
```

List documents in pd2_buffer_pmo & count clins

Purpose: List of the all the documents that are currently in the pd2_buffer_pmo table along with the number of CLINs for each document

```
select dsk_obj.obj_id, dsk_obj.obj_usr_num,
(select count(*) from line_item where line_item.obj_id = dsk_obj.obj_id) 'clin_count',
dsk_obj.obj_type,
pd2_buffer_pmo.pd_event,
pd2_buffer_pmo.ins_tmstp,
pd2_buffer_pmo.pol_tmstp,
pd2_buffer_pmo.ext_tmstp,
pd2_buffer_pmo.pol_flg,
pd2_buffer_pmo.ext_flg
from
dsk_obj,
pd2_buffer_pmo
where
dsk_obj.obj_id = pd2_buffer_pmo.obj_id
order by
pd2_buffer_pmo.ins_tmstp
```

Script-Aid > Adapter Reflag by Date Range

Purpose: This script will reflag all released documents in the pd2_buffer_pmo table that were inserted into the pd2_buffer_pmo table within a given date range.

Script-Aid > Adapter Reflag by Document Number

Purpose: This script will reflag released documents for processing through the Adapter based on a specific document number.

Attachment D: Event Subscriptions

This section provides a summary of the event subscriptions used by the PD² Adapter. The first section lists the event subscriptions included in the standard PMO configuration. The second section provides descriptions for the extraction parameters that can be applied to the events. The third section provides instructions for disabling events that do not apply to the local site. (*SEE [Attachment J FOR SECTIONS](#)*)

Standard PMO Event Subscriptions

The script for standardizing the pd2_even_subscription_pmo table will archive and truncate the current pd2_event_subscription table and then populate the new rows for Air Force specific event subscription configurations. To access script on HIBB website click link: <https://afcis.gunter.af.mil>

Attachment E: XML Document Type – Interface Matrix

The table below identifies the XML document types created by Trading Networks and the interface(s) that are associated to those document types.

Doc Type	Usage
PD2_Appadvice	Used to create alerts in PD2 (e.g. Notification of Receipt of an EDI inbound file)
PD2_Attach	Inbound - N/A
PD2_Award	IAPS, WARRS, WIMS, DMLSS, SBSS
PD2_AwardMod	IAPS, WARRS, WIMS, DMLSS, SBSS
PD2_AwardModDelta	Inbound - N/A
PD2_AwardModWAddInfo	ABSS, SBSS, WIMS, WARS
PD2_AwardModWPrPriorityInfo	ABSS, SBSS, WIMS, WARS
PD2_AwardModWPRs	Outbound - -PD2 Award Modification with PR information
PD2_AwardWAddInfo	IAPS, WARRS, WIMS, DMLSS, SBSS
PD2_AwardWClause	N/A
PD2_AwardWMilstrip	N/A
PD2_AwardWPrinfo	N/A
PD2_AwardWPrPriorityInfo	ABSS, SBSS, WIMS, WARS
PD2_AwardWPrs	IAPS, WARRS, WIMS, DMLSS, SBSS
PD2_DD1057	Outbound - N/A FPDS related
PD2_DD1594	N/A
PD2_DD350	N/A, all done from FPDS
PD2_Error	Any incoming interface that kicks out an error from the translator
PD2_Nsn	1IL
PD2_Org	Inbound - N/A
PD2_Payment	Inbound - N/A
PD2_Pr	ABSS, WARRS, WIMS, DMLSS, SBSS
PD2_PrAwardStatus	Outbound - N/A
PD2_PrWAddInfo	IAPS, WARRS, WIMS, DMLSS, SBSS
PD2_Procs	N/A
PD2_Receipt	Inbound - 1RA (MEDLOG, SBSS, WARS, WINS)
PD2_Reconciliation	SBSS
PD2_ReconciliationWAddInfo	SBSS
PD2_ReconciliationWPrPriorityInfo	SBSS
PD2_RequestResponse	Inbound & Outbound - N/A
PD2_Sol	Outbound - PD2 Solicitation or Amendment Document (EDI framework)
PD2_Status	Inbound & Outbound - N/A

PD2_Success	Inbound - Identifies that a document has been successfully inserted into PD2. Used for messaging purposes only for document that are not processed through TN but the message is needed in TN for a processing status.
PD2_UpdatePr	Inbound - AM(x) (MEDLOG) - Update Purchase Requisition document
PD2_User	N/A
PD2_Warning	Used for messaging purposes only for documents that are not processed through TN.

Attachment F: FTP Batch Files

IAPS.cmd

Copy text between the asterisk lines below, paste into notepad, then name file: IAPS.cmd

- Place file in your D:\spsi\iaps directory on the adapter server
- Schedule the IAPS.cmd file to run after the Adapter Scheduled IAPS job
- You can look at the iaps.log to determine if the file(s) sent without error
- Historical logs are kept at d:\spsi\iaps\ftp_results\

```
@echo off
rem Set variables for date/time stamp
For /f "tokens=2" %%i in ('ECHO %DATE%') do (set date_1=%%i)
For /f "tokens=1 delims=/" %%i in ('ECHO %date_1%') do (set mmm=%%i)
For /f "tokens=2 delims=/" %%i in ('ECHO %date_1%') do (set dd=%%i)
For /f "tokens=3 delims=/" %%i in ('ECHO %date_1%') do (set yyyy=%%i)
For /f %%i in ('ECHO %TIME%') do (set hhmmss=%%i)
For /f "tokens=1-3 delims=:" %%i in ('ECHO %hhmmss%') do (set hhmmss=%%i%%j%%k)
set tstamp=%yyyy%%mmm%%dd%_%hhmmss%
echo.
echo Transferring interface files from \SPSI\IAPS to FTP Server...
echo.
if exist "d:\spsi\IAPS\iaps.log" copy "d:\spsi\iaps\iaps.log" "d:\spsi\iaps\iaps-old.log" > nul
C:\windows\system32\ftp.exe -n -s:"d:\spsi\iaps\iaps.ftp" | FIND /V "user"
>"d:\spsi\iaps\iaps.log"
rem Check for ftp_results directory, copy and rename log with date/time stamp
if not exist d:\spsi\iaps\ftp_results md d:\spsi\iaps\ftp_results
copy d:\spsi\iaps\iaps.log d:\spsi\iaps\ftp_results\%tstamp%_iaps.log > NUL
del d:\spsi\iaps\p*.*
*****
```

IAPS.ftp

- Copy text between the asterisk lines below, paste into notepad, then name file: IAPS.ftp
- Place file in your D:\spsi\iaps directory on the adapter server
- XXXXX < UserID (Call AFCIS SPS Helpdesk for this info)
- YYYYYY < Password for UserID (Call AFCIS SPS Helpdesk for this info)

```
open oghi.csd.disa.mil
user XXXXX YYYYYY
XXXXX
ascii
prompt
hash
mput P*
bye
```

SBSS.cmd

- Copy text between the asterisk lines below, paste into notepad, then name file: SBSS.cmd
- Place file in your D:\spsi\sbss directory on the adapter server
- Schedule the SBSS.cmd file to run after the Adapter Scheduled SBSS job
- You can look at the SBSS.log to determine if the file(s) sent without error
- Historical logs are kept at d:\spsi\SBSS\ftp_results\

```
@echo off
rem Set variables for date/time stamp
For /f "tokens=2" %%i in ('ECHO %DATE%') do (set date_1=%%i)
For /f "tokens=1 delims=/" %%i in ('ECHO %date_1%') do (set mmm=%%i)
For /f "tokens=2 delims=/" %%i in ('ECHO %date_1%') do (set dd=%%i)
For /f "tokens=3 delims=/" %%i in ('ECHO %date_1%') do (set yyyy=%%i)
For /f %%i in ('ECHO %TIME%') do (set hhhmmss=%%i)
For /f "tokens=1-3 delims=:" %%i in ('ECHO %hhhmmss%') do (set hhhmmss=%%i%%j%%k)
set tstamp=%yyyy%%mmm%%dd%_%hhhmmss%
echo.
echo Transferring interface files from \SPSI\SBSS to FTP Server...
echo.
if exist "d:\spsi\SBSS\SBSS.log" copy "d:\spsi\SBSS\SBSS.log" "d:\spsi\SBSS\SBSS-old.log" > nul
C:\windows\system32\ftp.exe -n -s:"d:\spsi\SBSS\SBSS.ftp" | FIND /V "user"
>"d:\spsi\SBSS\SBSS.log"
rem Check for ftp_results directory, copy and rename log with date/time stamp
if not exist d:\spsi\SBSS\ftp_results md d:\spsi\SBSS \ftp_results
```

```
copy d:\spsi\SBSS\SBSS.log d:\spsi\SBSS\ftp_results\%tstamp%_SBSS.log > NUL
```

```
*****
```

```
SBSS.ftp
```

- Copy text between the astrick lines below, paste into notepad, then name file: SBSS.ftp
- Place file in your D:\spsi\sbss directory on the adapter server
- You need to put your SBSS unique ftp information as identified below
 - o ftp.site.info.here < place the SBSS ftp site here (i.e., ftp.disa.mil or 145.200.100.001)
 - o XXXXX YYYYY < UserID Password Here (i.e., tallperson Xu4@9bM)
 - o ZZZZZ < Account Here (maybe same as Userid)(maybe not be required at some FTP sites)

```
*****
```

```
open ftp.site.info.here
```

```
user XXXXX YYYYY
```

```
ZZZZZ
```

```
ascii
```

```
prompt
```

```
hash
```

```
mput LQ*
```

```
bye
```

```
*****
```

```
EDA.bat
```

- Copy text between the asterisk lines below, paste into notepad, then name file: EDA.bat
- Place file in the folder where your EDA ps and idx files are located (Ex: c:\books\eda or a network share [u:\eda])
- Schedule the EDA.bat file to run as often as necessary (site specific)
- You can look at the eda.log to determine if the file(s) sent without error

```
*****
```

```
@echo off
```

```
echo.
```

```
echo Sending EDA files to FTP server...
```

```
echo.
```

```
c:
```

```
cd\temp
```

```
if exist "c:\books\eda.log" copy "c:\books\eda.log" "c:\books\eda-old.log" > nul
```

```
C:\WINDOWS\system32\FTP.EXE -n -s:"c:\books\eda.ftp" > "c:\books\eda.log"
```

```
if exist "u:/eda\*.*" move "u:/eda\*.*" "u:/eda\backup" > nul
```

```
*****
```

EDA.ftp

- Copy text between the astrick lines below, paste into notepad, then name file: EDA.ftp
- Place file in the folder where your EDA ps and idx files are located (Ex: c:\books\eda or a network share [u:\eda])
- You need to put your MAJCOM unique ftp server information as identified below
 - o ftp.site.info.here < place the MAJCOM ftp site here (i.e., spsi.acc.af.mil or 132.60.100.102)
 - o XXXXX YYYYY < UserID Password Here (i.e., tallperson Xu4@9bM)
 - o ZZZZZZ < Typically the site DoDAAN (Ex: F01600)

```
*****
```

```
open ftp.site.info.here
```

```
user XXXXX YYYYY
```

```
lcd u:/eda
```

```
cd ecpn/ZZZZZZ/eda
```

```
prompt
```

```
asc
```

```
mput *.idx
```

```
bin
```

```
mput *.ps
```

```
dir
```

```
close
```

```
bye
```

Attachment G: Running Scheduler Services Manually

This article can be found on the Knowledge Base of the CACI SPS website (<http://sps.caci.com/>).

Knowledge Base ID#: 7285

Applies to: PD² Adapter v2.x

This item was last updated on: July 25, 2006

Question:

Is there a way to run a SPSLI task set service (for CAPS Outgoing, MAT01 Incoming, All IAPS, etc.) or the PD² Adapter multiPoll service manually?

Answer:

Yes, you can run them using a web browser. To run a SPSLI task set manually, a URL needs to be created. To create the URL for a SPSLI task set and then to open it using a web browser please do the following:

Note: The schedule for the SPSLI task set must be enabled via the CDR-A prior to completing these steps. In other words, you must schedule your integration/interface (i.e., CAPS Outgoing, CEFMS Incoming, All IAPS, STARS Outgoing, etc.) before attempting to run its scheduled task manually.

1. From the PD² Adapter machine, login in to the webMethods Integration Server Administration website (<http://localhost:5555/>).
2. Click on the Scheduler link under the Server menu.
3. Locate the link for the SPSLI task set service and then click on it. For example:

```
spsi.util.scheduler.tasksets:ts_SYMIS_MAT01Incoming_SYMIS_SPSHelpDeskNavy
```

4. Highlight and copy (Ctrl+C) the folder.subfolder:service value.
5. Open Internet Explorer and paste (Ctrl+V) the folder.subfolder:service value into the Address field.
6. Replace the colon (":") in the folder.subfolder:service value to a forward slash ("/"). For example:

```
spsi.util.scheduler.tasksets/ts_SYMIS_MAT01Incoming_SYMIS_SPSHelpDeskNavy
```

7. Add the following to the beginning of the Address field:

```
http://localhost:5555/invoke/
```

8. The entry in the Address field should now look similar the following:

http://localhost:5555/invoke/spsi.util.scheduler.tasksets/ts_SYMIS_MAT01Incoming_SYMIS_SPSHelpDeskNavy

Note: You can use your Internet Explorer to bookmark this URL for later use.

9. Click [Go].
10. If the web browser prompts you for a username and password, enter the Administrator username and password for your webMethods Integration Server. In other words, enter the same username and password you enter to log into the webMethods Integration Server Administration website (<http://localhost:5555/>).
11. Wait for the web browser to return a blank page. If the blank page is displayed, the SPLSI task set service has completed its execution. If an error is received, take a screen shot and notify the SPS Help Desk.

To run multiPoll manually, please do the following:

1. From the PD² Adapter machine, open Internet Explorer and enter the following URL into the Address field:

<http://localhost:5555/invoke/PD2AdapterServices.Public/multiPoll>

Note: You can use your Internet Explorer to bookmark this URL for later use.

2. Click [Go].
3. If the web browser prompts you for a username and password, enter the Administrator username and password for your webMethods Integration Server. In other words, enter the same username and password you enter to log into the webMethods Integration Server Administration website (<http://localhost:5555/>).
4. Wait for the web browser to return a blank page. If the blank page is displayed, the multiPoll service has completed its execution. If an error is received, take a screen shot and notify the SPS Help Desk.

Attachment H: Clearing the webMethods Broker Queue

Adapted from SPS Knowledge Base Article #7110

The simplest method to clearing out the Broker client queues is restarting the Broker Server. To restart the Broker Server, do the following:

Open the webMethods Broker Administrator website (<http://localhost:5555/WmBrokerAdmin>). This page is bookmarked on standard Air Force desktop computers.

1. In the “Broker Servers” table in the right window pane, click on the Broker Server name under the “Name” column. If the Broker Server name does not appear as a link, click the “In Progress” link under the “Connected” column until the Broker Server name appears as a link.
2. Click on the Stop/Restart tab.
3. Select the “Restart it immediately” option.
4. Click the [Stop/Restart Broker Server] button.
5. Click the [OK] button when prompted to confirm the restart.

Wait for the "Broker server XXXXXX was restarted" message to display. If the message displays, the Broker has been restarted successfully. If an error displays, take a screen capture and notify the SPS Help Desk.

1. Click on the Brokers tab.
2. In the "Brokers" table, click on the Broker name under the "Name" column. If the Broker name doesn't appear as a link, click the "In Progress" link under the "Connected" column until the Broker name appears as a link.
3. In the "Broker Information" table, click on “Click to View” link listed next to “Clients.” Examine the “Clients” table and verify that all the values in the “Documents in Queue” column equal “0.”

If any value greater than 0 appears in the “Documents in Queue” column, use the steps below to clear the Broker client queues.

4. Open the webMethods Broker Administrator website (<http://localhost:5555/WmBrokerAdmin>). This page is bookmarked on standard Air Force desktop computers.
5. In the “Broker Servers” table in the right window pane, click on the Broker Server name under the “Name” column. If the Broker Server name does not appear as a link, click the “In Progress” link under the “Connected” column until the Broker Server name appears as a link.
6. Click on the Brokers tab.
7. In the “Brokers” table, click on the Broker name under the “Name” column. If the Broker name doesn't appear as a link, click the “In Progress” link under the “Connected” column until the Broker name appears as a link.

8. In the “Broker Information” table, select the “Click to View” link next to “Clients.”
9. In the “Clients” table, locate a number greater than 0 in the “Documents in Queue” column and click on it.
10. Click on the “Clear Client Queue” link.
11. Click [OK] to confirm.
12. Click on the “Clients” link at the top of the right window pane to return to the “Clients” table.
13. Repeat steps 6-9 for every number greater than 0 in the “Documents in Queue” column. Close the webMethods Broker Administrator website once you have cleared all the queues.

Attachment I: Client Configuration for WebMethods TN Console & Developer

You can use Webmethods Trading Networks Console and WebMethods Developer at your client workstation to assist in managing the Adapter server. Each program requires a slight deviation during the client install/configuration vs. setting up on the Adapter server itself.

The Documentation for installing the TN Console 7.1 (client only) are located at the CACI website.

Instructions for Installing or Upgrading to webMethods Product Suite 7.1 see Knowledge Base ID#10402 (<http://kb.caci.com/kb/content.cfm?id=10412>) (Appendix B: Install webMethods Trading Networks 7.1.1 Console Only)

ATTACHMENT J - Events

SECTION ONE – EVENT SUBSCRIPTIONS

number	enabled	obj_type	obj_grp_desc	pd_event	type_in	ext_param	tn_sender	tn_receiver	tn_doctype	pd2_system_sender	pd2_system_receiver
1	1	'42A'	'Construction Contract Award'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
2	1	'49A'	'Commercial Contract Award'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
3	1	'49D'	'Commercial Delivery Order (SF 1449)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
4	1	'A26'	'Agreement Order/Contract (SF 26)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
5	1	'A33'	'Large Purchase Award'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
6	1	'A49'	'Agreement Order/Contract (SF 1449)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
7	1	'A55'	'Agreement Order/Contract (DD 1155)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
8	1	'B55'	'Simplified Acquisition'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
9	1	'BPA'	'Blanket Purchase Master Agreement'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
10	1	'BPC'	'BPA Call'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

11	1	'DEL'	'Delivery Order (DD 1155)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
12	1	'F26'	'Award / Contract'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
13	1	'F52'	'Architect-Engineer Contract'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
14	1	'TSO'	'Telecommunications Order'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
15	1	'26D'	'Delivery Order (SF 26)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
16	1	'33D'	'Delivery Order (SF 33)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
17	1	'42D'	'Delivery Order (SF 1442)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
18	1	'52D'	'Delivery Order (SF 252)'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
19	1		'Agreements'	'RE'	'award'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
20	1	'42A'	'Construction Contract Award'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
21	1	'49A'	'Commercial Contract Award'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
22	1	'49D'	'Commercial Delivery Order (SF 1449)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
23	1	'A26'	'Agreement Order/Contract'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

			(SF 26)'								Receiver'
24	1	'A33'	'Large Purchase Award'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
25	1	'A49'	'Agreement Order/Contract (SF 1449)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
26	1	'A55'	'Agreement Order/Contract (DD 1155)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
27	1	'B55'	'Simplified Acquisition'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
28	1	'BPA'	'Blanket Purchase Master Agreement'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
29	1	'BPC'	'BPA Call'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
30	1	'DEL'	'Delivery Order (DD 1155)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
31	1	'F26'	'Award / Contract'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
32	1	'F52'	'Architect-Engineer Contract'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
33	1	'TSO'	'Telecommunications Order'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
34	1	'26D'	'Delivery Order (SF 26)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
35	1	'33D'	'Delivery Order (SF 33)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
36	1	'42D'	'Delivery Order (SF 1442)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

											Receiver'
37	1	'52D'	'Delivery Order (SF 252)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
38	1		'Agreements'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
39	1	'26M'	'Contract Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
40	1	'2BN'	'Basic Agreement (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
41	1	'2MN'	'MARAV (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
42	1	'2ON'	'BOA (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
43	1	'33N'	'SF33 Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
44	1	'42N'	'Construction Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
45	1	'49N'	'Commercial Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
46	1	'49O'	'Commercial Delivery Order Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
47	1	'52M'	'Architect-Engineer Contract Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
48	1	'9BN'	'Basic Agreement (SF 1449)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

			Modification'								
49	1	'9MN'	'MARAV (SF 1449) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
50	1	'9ON'	'BOA (SF 1449) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
51	1	'A2N'	'Agreement Order/Contract (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
52	1	'A5N'	'Agreement Order/Contract (DD 1155) \x0aModification '	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
53	1	'A9N'	'Agreement Order/Contract (SF 1449) \x0aModification '	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
54	1	'B5M'	'PO/DO Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
55	1	'BCM'	'BPA Call Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
56	1	'BPM'	'BPA Master Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
57	1	'TSN'	'TO Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
58	1	'2DM'	'Delivery Order Modification (SF 1442)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
59	1	'3DM'	'Delivery Order Modification (SF 33)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

60	1	'5DM'	'Delivery Order Modification (SF 252)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
61	1	'6DM'	'Delivery Order Modification (SF 26)'	'RE'	'award'	'lidiff'	'FA6643'	'EDA'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
62	1	'42A'	'Construction Contract Award'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
63	1	'49A'	'Commercial Contract Award'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
64	1	'49D'	'Commercial Delivery Order (SF 1449)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
65	1	'A26'	'Agreement Order/Contract (SF 26)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
66	1	'A33'	'Large Purchase Award'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
67	1	'A49'	'Agreement Order/Contract (SF 1449)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
68	1	'A55'	'Agreement Order/Contract (DD 1155)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
69	1	'B55'	'Simplified Acquisition'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
70	1	'BPA'	'Blanket Purchase Master Agreement'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
71	1	'BPC'	'BPA Call'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
72	1	'DEL'	'Delivery Order (DD 1155)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

73	1	'F26'	'Award / Contract'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
74	1	'F52'	'Architect-Engineer Contract'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
75	1	'TSO'	'Telecommunications Order'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
76	1	'26D'	'Delivery Order (SF 26)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
77	1	'33D'	'Delivery Order (SF 33)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
78	1	'42D'	'Delivery Order (SF 1442)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
79	1	'52D'	'Delivery Order (SF 252)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
80	1		'Agreements'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
81	1	'26M'	'Contract Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
82	1	'2BN'	'Basic Agreement (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
83	1	'2MN'	'MARAV (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
84	1	'2ON'	'BOA (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
85	1	'33N'	'SF33 Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

86	1	'42N'	'Construction Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
87	1	'49N'	'Commercial Award Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
88	1	'49O'	'Commercial Delivery Order Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
89	1	'52M'	'Architect-Engineer Contract Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
90	1	'9BN'	'Basic Agreement (SF 1449) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
91	1	'9MN'	'MARAV (SF 1449) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
92	1	'9ON'	'BOA (SF 1449) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
93	1	'A2N'	'Agreement Order/Contract (SF 26) Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
94	1	'A5N'	'Agreement Order/Contract (DD 1155) \x0aModification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
95	1	'A9N'	'Agreement Order/Contract (SF 1449) \x0aModification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
96	1	'B5M'	'PO/DO Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

97	1	'BCM'	'BPA Call Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
98	1	'BPM'	'BPA Master Modification'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
99	1	'TSN'	'TO Mod'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
100	1	'2DM'	'Delivery Order Modification (SF 1442)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
101	1	'3DM'	'Delivery Order Modification (SF 33)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
102	1	'5DM'	'Delivery Order Modification (SF 252)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
103	1	'6DM'	'Delivery Order Modification (SF 26)'	'RE'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
104	1	'42A'	'Construction Contract Award'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
105	1	'49A'	'Commercial Contract Award'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
106	1	'49D'	'Commercial Delivery Order (SF 1449)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
107	1	'A26'	'Agreement Order/Contract (SF 26)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
108	1	'A33'	'Large Purchase Award'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
109	1	'A49'	'Agreement Order/Contract (SF 1449)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

110	1	'A55'	'Agreement Order/Contract (DD 1155)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
111	1	'B55'	'Simplified Acquisition'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
112	1	'BPA'	'Blanket Purchase Master Agreement'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
113	1	'BPC'	'BPA Call'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
114	1	'DEL'	'Delivery Order (DD 1155)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
115	1	'F26'	'Award / Contract'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
116	1	'F52'	'Architect-Engineer Contract'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
117	1	'TSO'	'Telecommunications Order'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
118	1	'26D'	'Delivery Order (SF 26)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
119	1	'33D'	'Delivery Order (SF 33)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
120	1	'42D'	'Delivery Order (SF 1442)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
121	1	'52D'	'Delivery Order (SF 252)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
122	1		'Agreements'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

123	1	'26M'	'Contract Mod'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
124	1	'2BN'	'Basic Agreement (SF 26) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
125	1	'2MN'	'MARAV (SF 26) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
126	1	'2ON'	'BOA (SF 26) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
127	1	'33N'	'SF33 Award Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
128	1	'42N'	'Construction Award Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
129	1	'49N'	'Commercial Award Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
130	1	'49O'	'Commercial Delivery Order Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
131	1	'52M'	'Architect-Engineer Contract Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
132	1	'9BN'	'Basic Agreement (SF 1449) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
133	1	'9MN'	'MARAV (SF 1449) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
134	1	'9ON'	'BOA (SF 1449) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'

135	1	'A2N'	'Agreement Order/Contract (SF 26) Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
136	1	'A5N'	'Agreement Order/Contract (DD 1155) \x0aModification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
137	1	'A9N'	'Agreement Order/Contract (SF 1449) \x0aModification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
138	1	'B5M'	'PO/DO Mod'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
139	1	'BCM'	'BPA Call Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
140	1	'BPM'	'BPA Master Modification'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
141	1	'TSN'	'TO Mod'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
142	1	'2DM'	'Delivery Order Modification (SF 1442)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
143	1	'3DM'	'Delivery Order Modification (SF 33)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
144	1	'5DM'	'Delivery Order Modification (SF 252)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
145	1	'6DM'	'Delivery Order Modification (SF 26)'	'AP'	'award'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Award'	'SPS_F09634_DB'	'PD2 System Receiver'
146	1	'26M'	'Contract Mod and Conformed'	'RE'	'awdmod'	wli,watt,lidiff,dd254,clte	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System'

			Copy'			xt'					Receiver'
147	1	'2BN'	'Basic Agreement (SF 26) Modification and \x0aConformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
148	1	'2MN'	'MARAV (SF 26) Modification and Conformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
149	1	'2ON'	'BOA (SF 26) Modification and Conformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
150	1	'33N'	'SF33 Award Modification and Conformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
151	1	'42N'	'Construction Award Modification and Conformed \x0aCopy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
152	1	'49N'	'Commercial Award Modification and Conformed \x0aCopy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
153	1	'49O'	'Commercial Delivery Order Modification and \x0aConformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
154	1	'52M'	'Architect-Engineer Contract Modification and \x0aConformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'

155	1	'9BN'	'Basic Agreement (SF 1449) Modification and \x0aConformed Copy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
156	1	'9MN'	'MARAV (SF 1449) Modification and Conformed \x0aCopy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
157	1	'9ON'	'BOA (SF 1449) Modification and Conformed Copy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
158	1	'A2N'	'Agreement Order/Contract (SF 26) Modification \x0aand Conformed Copy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
159	1	'A5N'	'Agreement Order/Contract (DD 1155) Modification \x0aand Conformed Copy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
160	1	'A9N'	'Agreement Order/Contract (SF 1449) Modification \x0aand Conformed Copy'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
161	1	'B5M'	'PO/DO Mod'	'RE'	'awdmod'	wli,watt,lidiff,dd254,cltext'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
162	1	'BCM'	'BPA Call'	'RE'	'awdmo	wli,watt,lidi	'FA6643'	'BROKER1'	'PD2_Award	'SPS_F09634_DB'	'PD2

			Modification and Conformed Copy'		d'	ff,dd254,clte xt'			Mod'		System Receiver'
163	1	'BPM'	'BPA Master Modification and Conformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
164	1	'TSN'	'TO Mod and Conformed Copy'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
165	1	'2DM'	'Delivery Order Modification (SF 1442)'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
166	1	'3DM'	'Delivery Order Modification (SF 33)'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
167	1	'5DM'	'Delivery Order Modification (SF 252)'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
168	1	'6DM'	'Delivery Order Modification (SF 26)'	'RE'	'awdmo d'	wli,watt,lidiff,dd254,clte xt'	'FA6643'	'BROKER1'	'PD2_Award Mod'	'SPS_F09634_DB'	'PD2 System Receiver'
169	1	'REQ'	'Purchase Request'	'AP'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
170	1	'TSR'	'Telecommunications Request'	'AP'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
171	1	'REQ'	'Purchase Request'	'CN'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
172	1	'RQM'	'PR Modification'	'CN'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
173	1	'TSR'	'Telecommunications Request'	'CN'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
174	1	'TRN'	'TR Modification'	'CN'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'

175	1	'RQM'	'PR Modification'	'RE'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
176	1	'TRN'	'TR Modification'	'RE'	'req'	'lidiff'	'FA6643'	'EZQUERY'	'PD2_Pr'	'SPS_F09634_DB'	'PD2 System Receiver'
177	1	'PAS'	'Extract PR and Award Status Service'	'PAS'	'exd'		'FA6643'	'EZQUERY'	'PD2_PrAwardStatus'	'SPS_F09634_DB'	'PD2 System Receiver'
178	1		'Solicitations'	'RE'	'sol'	newsol,lidiff'	'FA6643'	'EZQUERY'	'PD2_Sol'	'SPS_F09634_DB'	'PD2 System Receiver'
179	1		'Amendments'	'RE'	'sol'	newsol,lidiff'	'FA6643'	'EZQUERY'	'PD2_Sol'	'SPS_F09634_DB'	'PD2 System Receiver'
180	1	'TSI'	'Telecommunications Inquiry'	'RE'	'sol'	newsol,lidiff'	'FA6643'	'EZQUERY'	'PD2_Sol'	'SPS_F09634_DB'	'PD2 System Receiver'

SECTION TWO – EXTRACTION PARAMETERS APPLIED TO EVENTS

Extraction Parameters

The table below lists all valid extraction parameters and their default values. The table also lists a description and the default PMO configuration of each parameter.

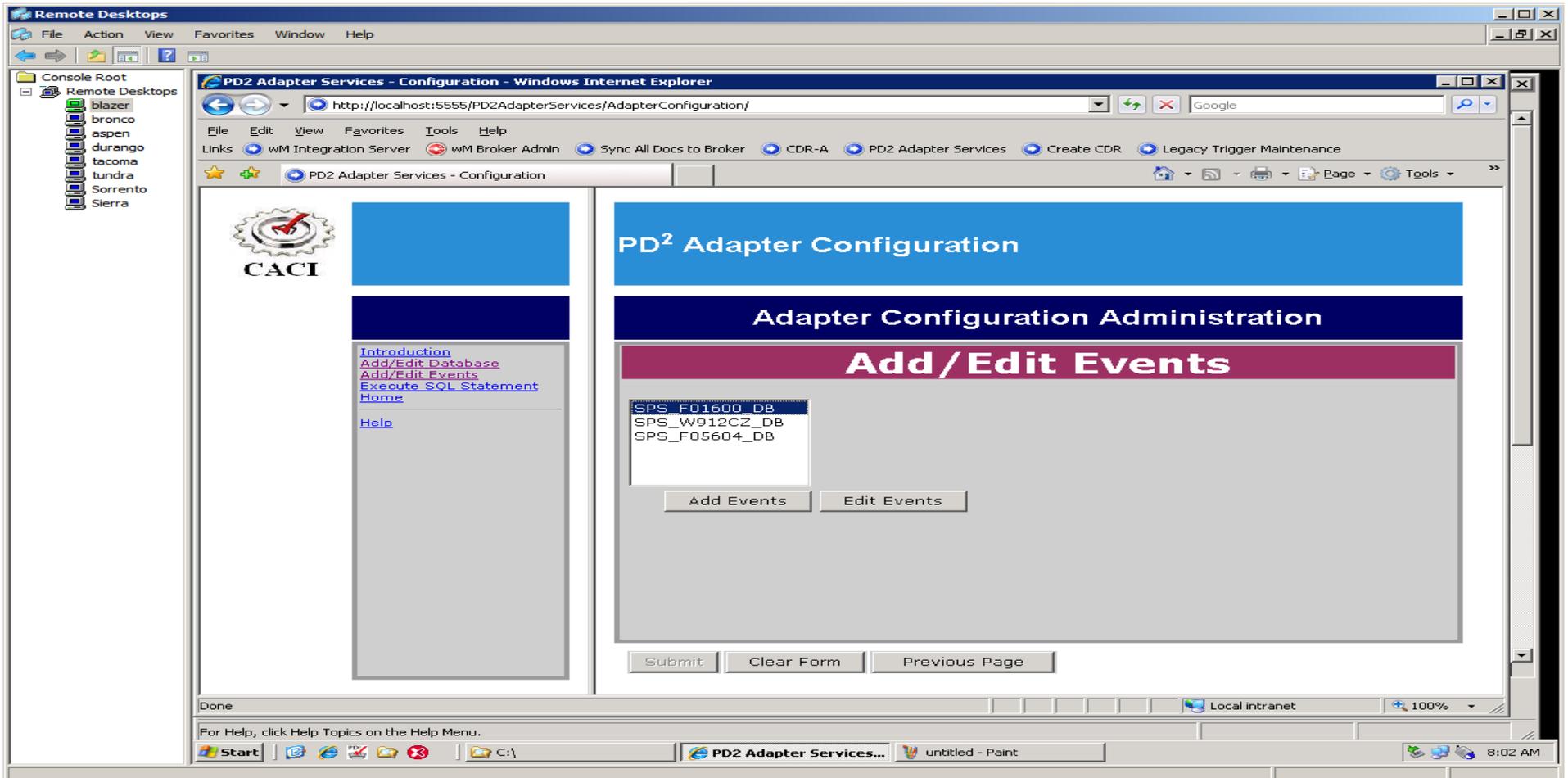
Parameter	Description	Default	PMO Default
allcdrl	Extraction includes CDRLs that are not directly associated with the procurement document being extracted. For example, if a CDRL was created from a PR, the parameter causes the CDRL to be extracted with any solicitation, award, delivery order, or award modification created from the PR.	FALSE	FALSE
cltext	Converts clause data from base 64 encoded RTF data to clear, readable text during extraction.	FALSE	TRUE
cmrq	Extraction includes the <CumulativeReqs> element and its sub-elements. These elements provide information on the PR used to create the extracted document.	FALSE	FALSE
dd254	Extraction includes data from any associated DD Form 254 Security document.	FALSE	TRUE
dhist	Extraction includes contract level history data, including the parent document of the extracted document, the origin document of the extracted document, and any documents in the chain between the parent and the origin documents.	TRUE	TRUE
dlv	Extraction includes delivery information from the delivery schedule of any line item.	TRUE	TRUE
dt	Adds the <!DOCTYPE> tag to the top of the extracted XML file. Used to turn on and off the creation of the header with version information. The version identifier is contained in the header for all DTDs, except those not generated from the PD ² Adapter Java code. The version number of the DTDs matches the version number of the PD ² Adapter.	FALSE	FALSE
le	Extraction includes all legal sections: fill-in, local, DFARS, and FAR clauses, and Add Text items.	TRUE	TRUE
lhist	Extraction includes line item level history data.	TRUE	TRUE
lidiff	Extraction includes an attribute that identifies whether a set number of fields at the line item level were changed between a modified document and the previous conformed copy of the document.	FALSE	TRUE
lli	Extraction includes the <Section> and <LegalItem> elements within the <LegalParent> element, including elements related to clauses and Add Text items.	TRUE	TRUE
newsol	Extraction uses the updated structure of the xProcurement document for solicitation documents.	FALSE	TRUE
pay	Extraction includes payment data elements.	TRUE	TRUE
pck	Extraction includes packaging data elements.	TRUE	TRUE
sml	Extraction includes the Solicitation Mailing List.	FALSE	FALSE
solsml	The Solicitation Mailing List is extracted only if associated with a solicitation.	FALSE	FALSE
tst	Extraction includes testing information for the line item.	TRUE	TRUE

wadd	Extraction includes RTF data for Add Text legal items (no clauses).	FALSE	FALSE
watt	Extraction includes any OLE attachments.	FALSE	TRUE
wcls	Extraction includes RTF data for clauses (no Add Text).	FALSE	FALSE
wle	Extraction only includes the Add Text, Local Clause, User Edited Clause, and Preamble sections of legal items.	FALSE	FALSE
wli	Extraction includes RTF data for all legal items (Add Text and clauses).	FALSE	TRUE
wnileg	Extraction includes RTF data for all legal items that are not checked as Not Included (Add Text and Clauses).	FALSE	FALSE

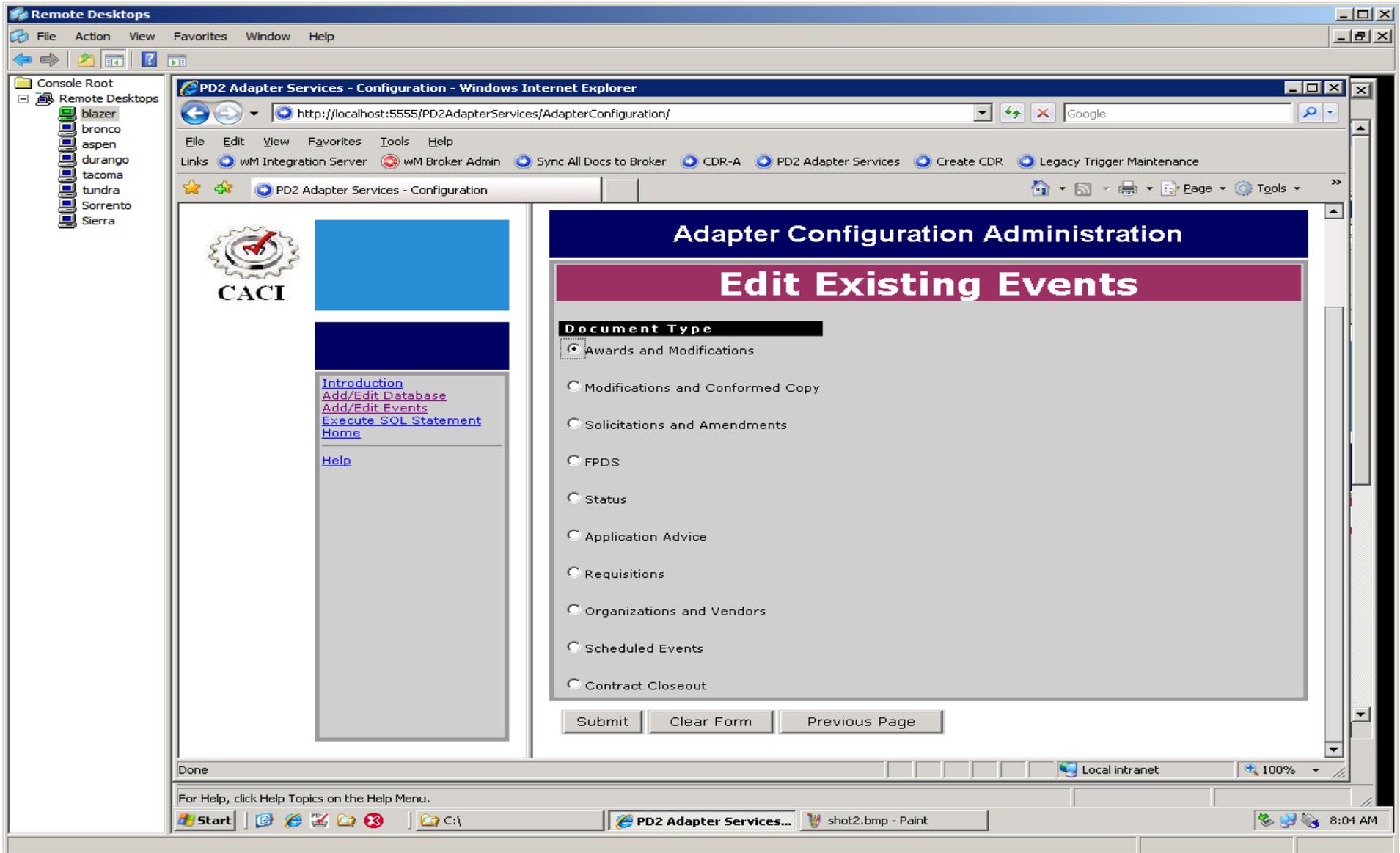
SECTION THREE - EVENT DISABLE

On the PD2 Adapter Services page click the “Adapter Configuration Administration” link. On the page which appears, click the “Add/Edit Events” link on the left.

On the page as seen below, select the appropriate database and click the “Edit Events” button.



On the page as seen below, select the appropriate Document Type and click Submit.



Select the radio button for the event you wish to disable and click Submit.

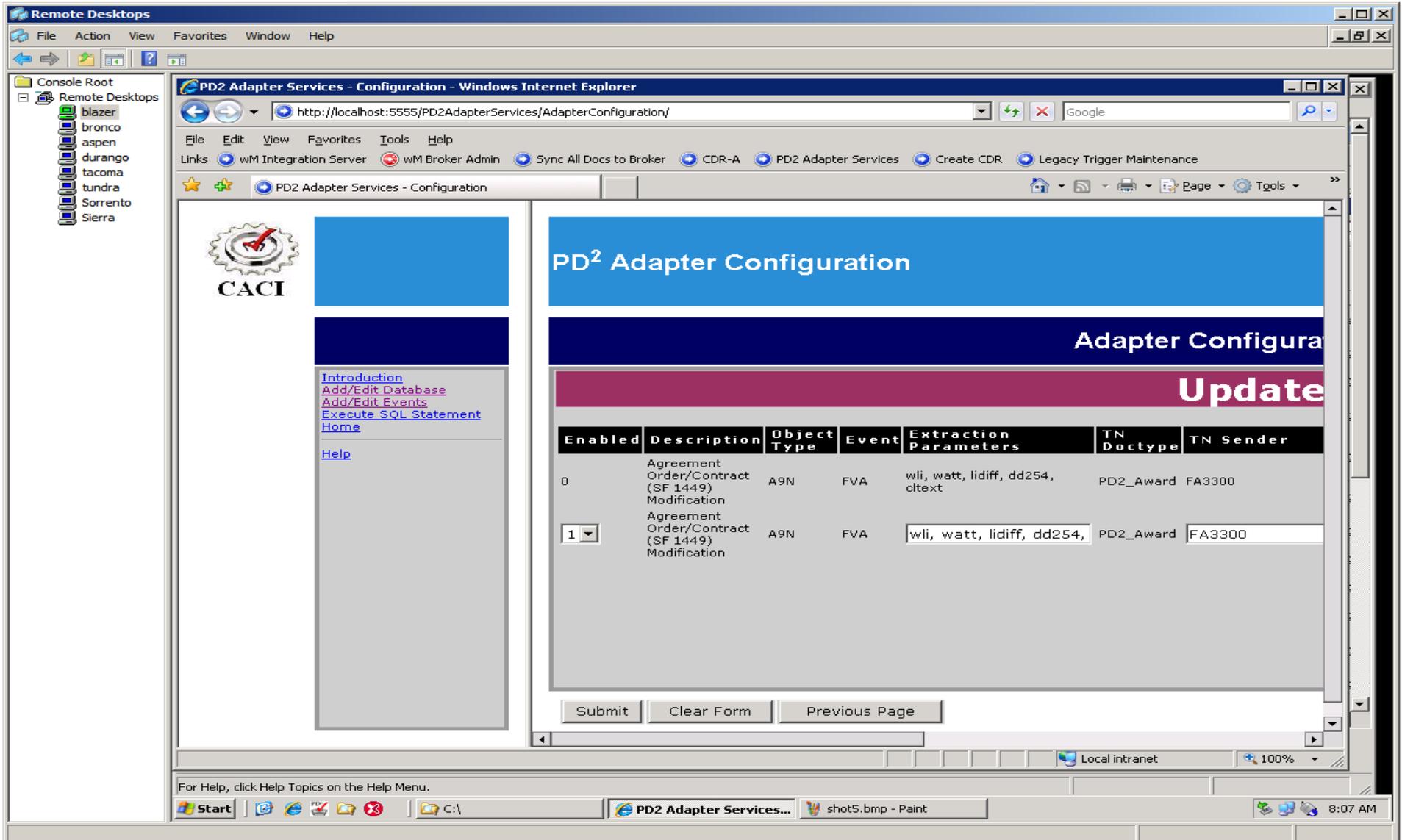
PD² Adapter Configuration

Adapter Configuration Administration

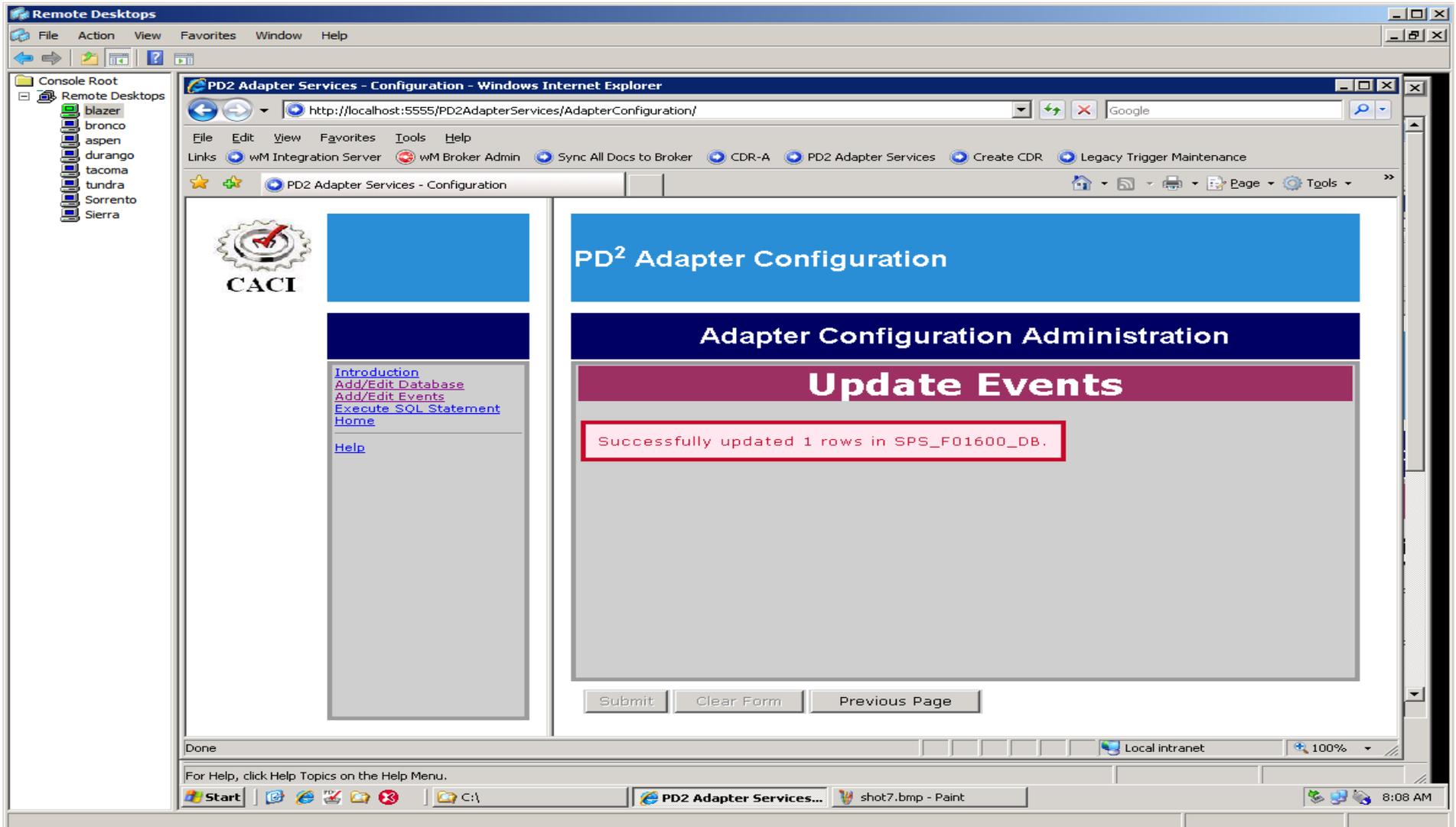
Update Events

Enabled	Description	Object Type	Event	Extraction Parameters	TN Doctype	TN Sender	TN Receive
<input type="radio"/> 0	Construction Contract Award	42A	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Commercial Contract Award	49A	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Commercial Delivery Order (SF 1449)	49D	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Agreement Order/Contract (SF 26)	A26	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Large Purchase Award	A33	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Agreement Order/Contract (SF 1449)	A49	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Agreement Order/Contract (DD 1155)	A55	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1
<input type="radio"/> 0	Simplified Acquisition	B55	AP	wli, watt, lidiff, dd254, cltext	PD2_Award	FA3300	BROKER1

On the page as seen below, make sure that “1” is chosen from the drop-down in the Enabled column and click Submit.



You should then see the following screen confirming your change.



Repeat this process for any other Events you wish to disable.