



SHIPSERV

Find. Connect. Trade.

ShipServ MTMLink-FX Manual

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Shipserv Ltd.

Document Control

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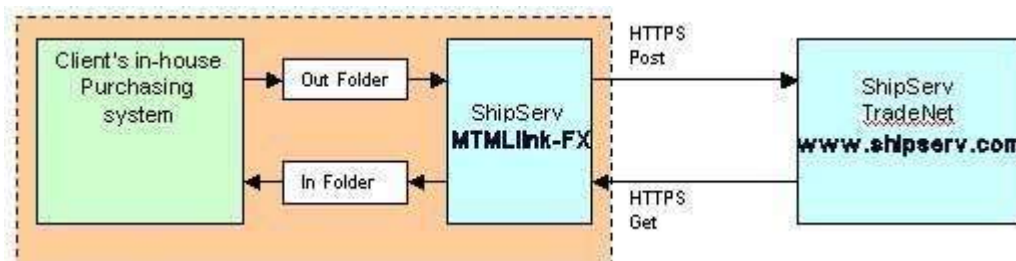
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1. What is MTMLLink-FX?

MTMLink-FX is a Windows Service that allows your computer to exchange transaction files with ShipServ TradeNet. It is comprised of two components:

1. A system service, and
2. A client application that allows you to monitor the status of the service, either from the same computer where the MTMLink service is running, or from another computer on the same LAN.

1.1. How does it work?



MTMLink-FX uses a secure HTTPS connection to talk to the TradeNet webservers.

- Files sent to TradeNet are “pushed” by MTMLink-FX (HTTPS POST).
- Files received from TradeNet are “pulled” by MTMLink-FX (HTTPS GET) based on the configured polling frequency.

TradeNet NEVER initiates a connection to the client’s computer. As a result, there is no special firewall configuration required at the client side; just allow normal “browser” connections to allow MTMLink-FX to operate.

Note: See Appendix A. below if you are using a local firewall (e.g. Windows Firewall) on the PC where MTMLink-FX is installed.

1.2. Installation

1.2.1. Pre-requisites

On the client computer:

- Microsoft Windows 2000, NT or XP/Server 2003
- Microsoft .NET Framework (v1.1 or later)

At configuration time:

- TradeNet member ID (five-digit number)
- TradeNet username and password

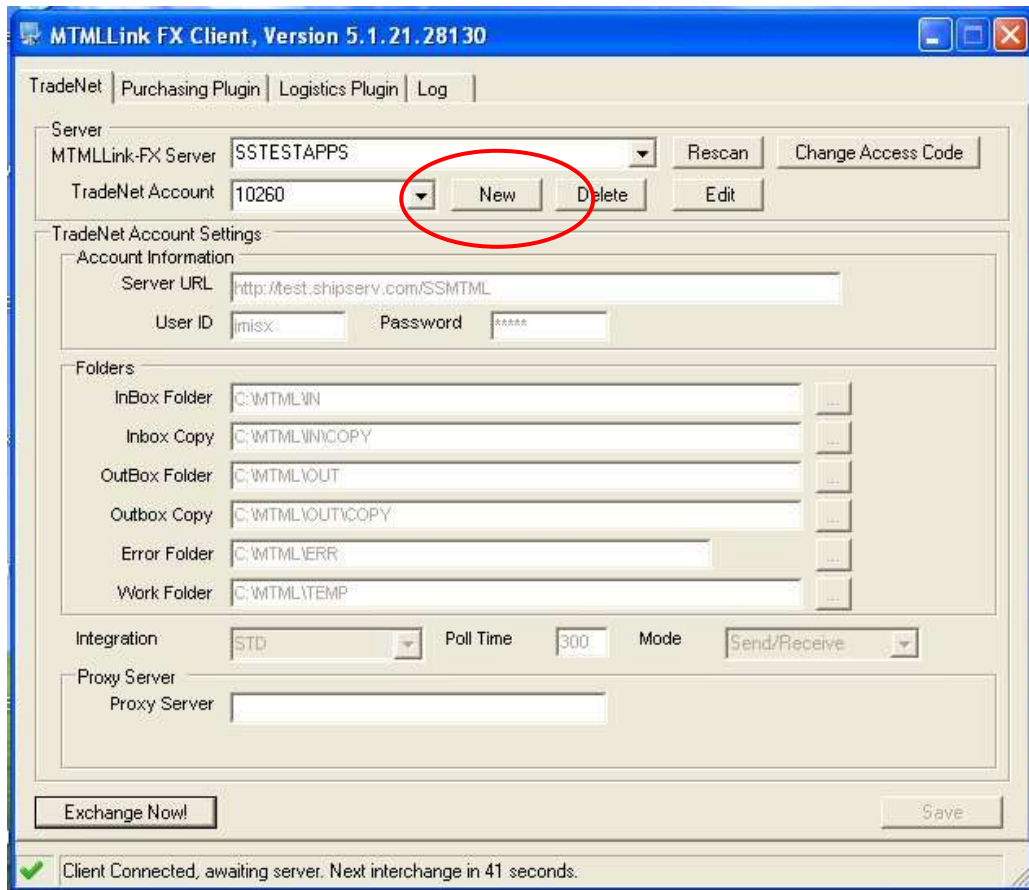
1. Download the latest version of ShipServ MTMLlink-FX from the ShipServ website using the URL provided to you by ShipServ Customer Support.
2. Save the resultant file to disk.
3. Log on the client computer as a user with Administrative privileges.
4. Double-click on the downloaded .exe file, which should be named like *ShipServ-MTMLlink-FX-xx.yy.exe*

The installer is a self-installing InstallShield.exe file. There are no installation options - just click 'Next' when prompted to do so. It will install itself into C:\ProgramFiles\ShipServ\MTMLlink-FX, and create a Shortcut on your Desktop. It will also start the MTMLlink-FX service and configure it for auto-start so that it will restart each time you reboot your computer.

1.2.2. Configuration

1. Start up the MTMLlink-FX Client program using the Shortcut called "MTMLlink-FX Client", or from Start->Programs->ShipServ->MTMLlink-FX Client.

The Client program allows you to configure the service parameters, and also to monitor the state of your connection to TradeNet. You should see a screen similar to the one below:



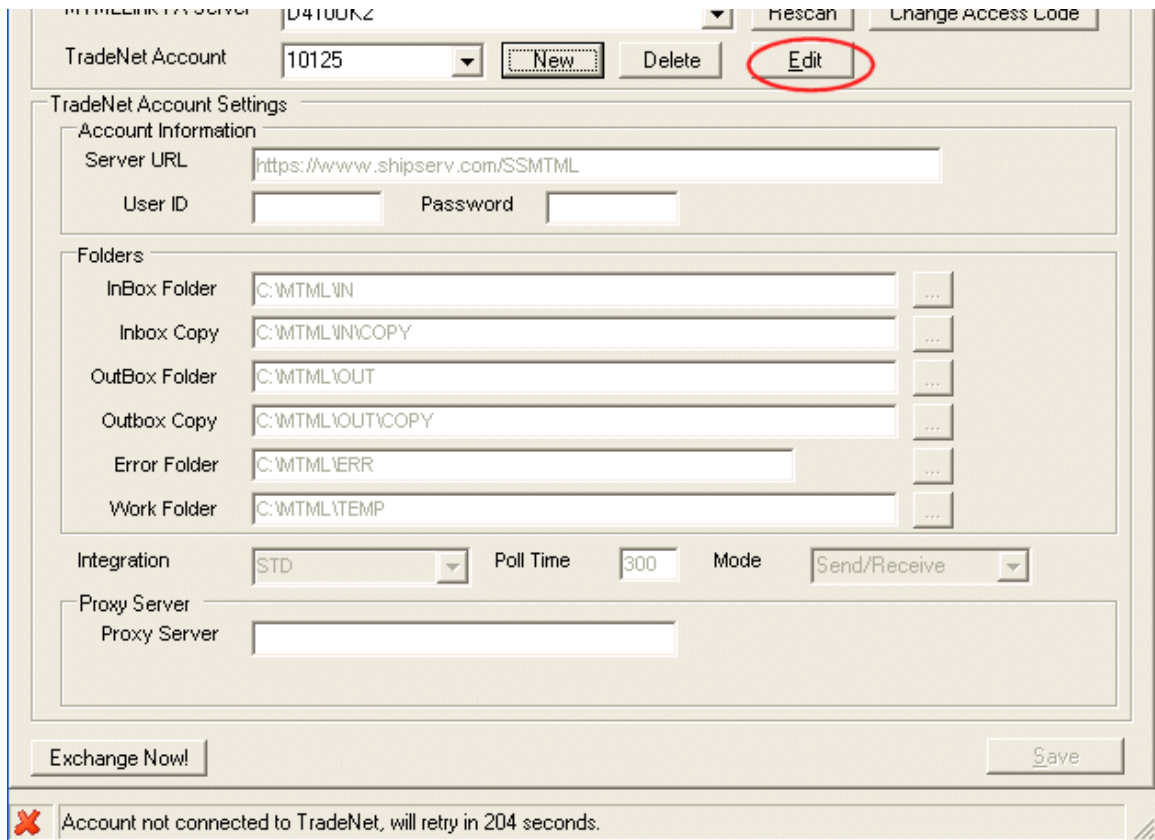
2. Now click on the 'New' button:



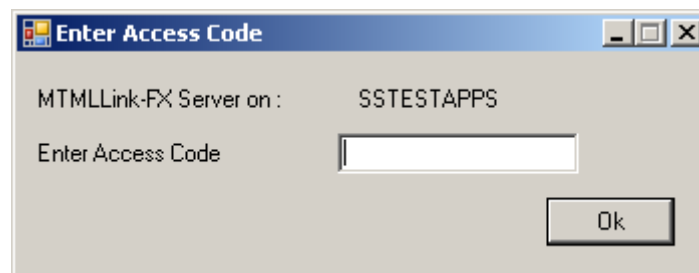
3. Enter your TradeNet ID (which is issued to you by ShipServ), and the default access code, which is "SHIPSERV" (in upper-case letters), if not changed, and click on the 'Add' button.

Note: The access code is your password-protection against unauthorised modifications to your MTMLLink-FX service settings. You can change the access code to your own preferred password by using the 'Change Access Code' button.

After a few seconds the status field at lower left should show a red cross “not connected to TradeNet...” as shown below:



- Click on the 'Edit' button:



- Enter your Access Code which is “SHIPSERV” (in upper-case letters), if not changed, and click on the 'Ok' button. The grayed-out fields should now become editable.

Fill in the following fields:

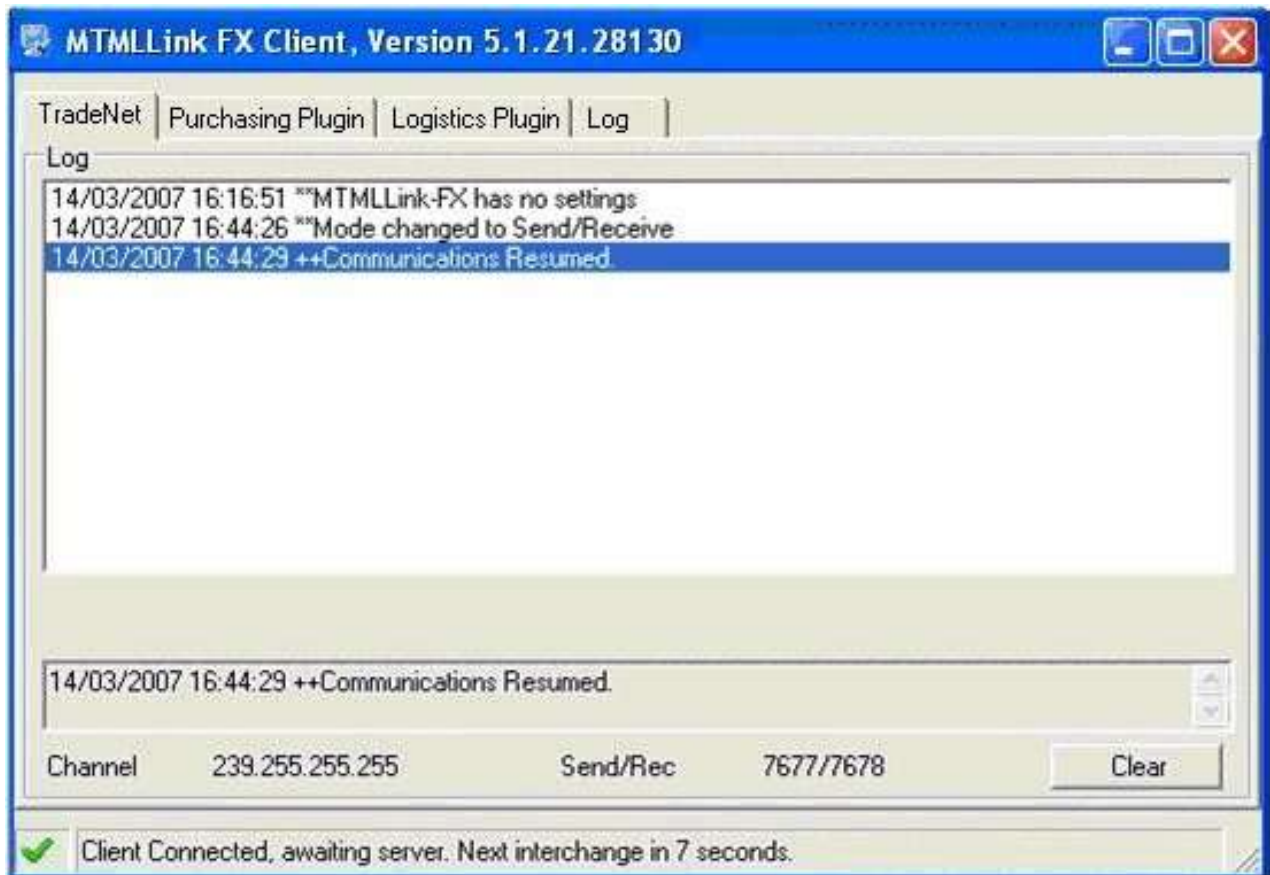
- User ID:** This is your username for ShipServ TradeNet, issued to you by ShipServ
- Password:** This is your ShipServ TradeNet password
- TradeNet ID:** This is your 5-digit TradeNet ID number

- Inbox Folder:** This is where your incoming transactions will arrive from TradeNet
- Inbox Copy:** A copy of each incoming transaction file will be put here
- Outbox Folder:** Any file in this folder will be sent to ShipServ TradeNet, so you should use the folder where your ERP system writes its outgoing transaction files
- Outbox Copy:** A copy of each file sent to ShipServ will be placed here
- Error Folder:** Any transactions which cause errors will be placed here
- Work Folder:** Temporary files will be placed here

Note: Leave the 'Integration' type set to 'STD', Mode as 'Send/Receive', and the Poll Time at 300 (seconds) unless instructed to do otherwise by ShipServ Customer Service.

(If you are using an HTTP Proxy Server please refer to Section 5.

6. Click the 'Save' button – after a few seconds the red cross at bottom left should turn to a green tick (this shows that you are now connected to TradeNet); and if you click on the 'Log' tab , you should see a “Communications Resumed” message similar to the one shown below:



1.3. *Uninstallation*

You can uninstall “ShipServ MTMLink-FX” program from the Control Panel -> Add/Remove Programs menu.

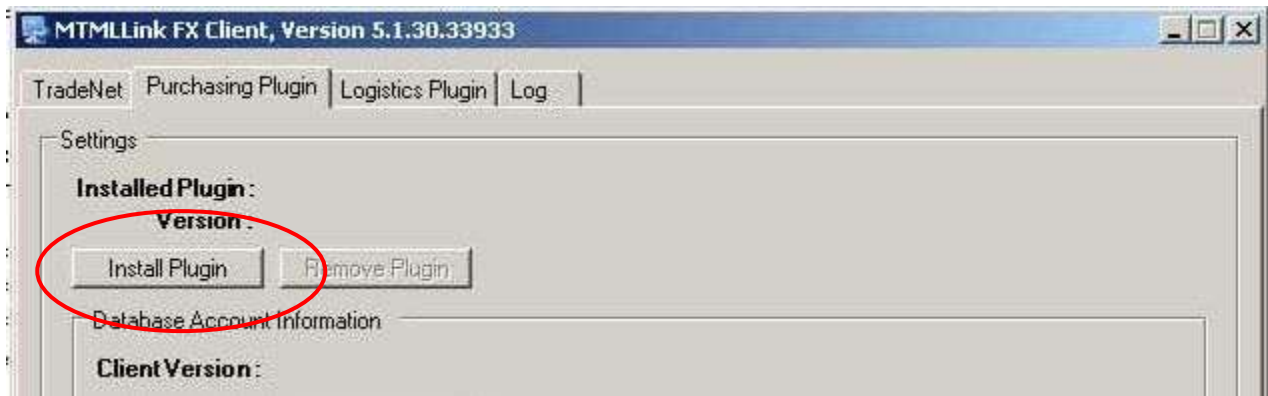
2. Note on Plugins

As this is a generic document, not all clients will be using the Purchasing and the Logistics plugins. Please ignore the plugin you are not using. If you are unsure, please confirm with your ShipServ representative.

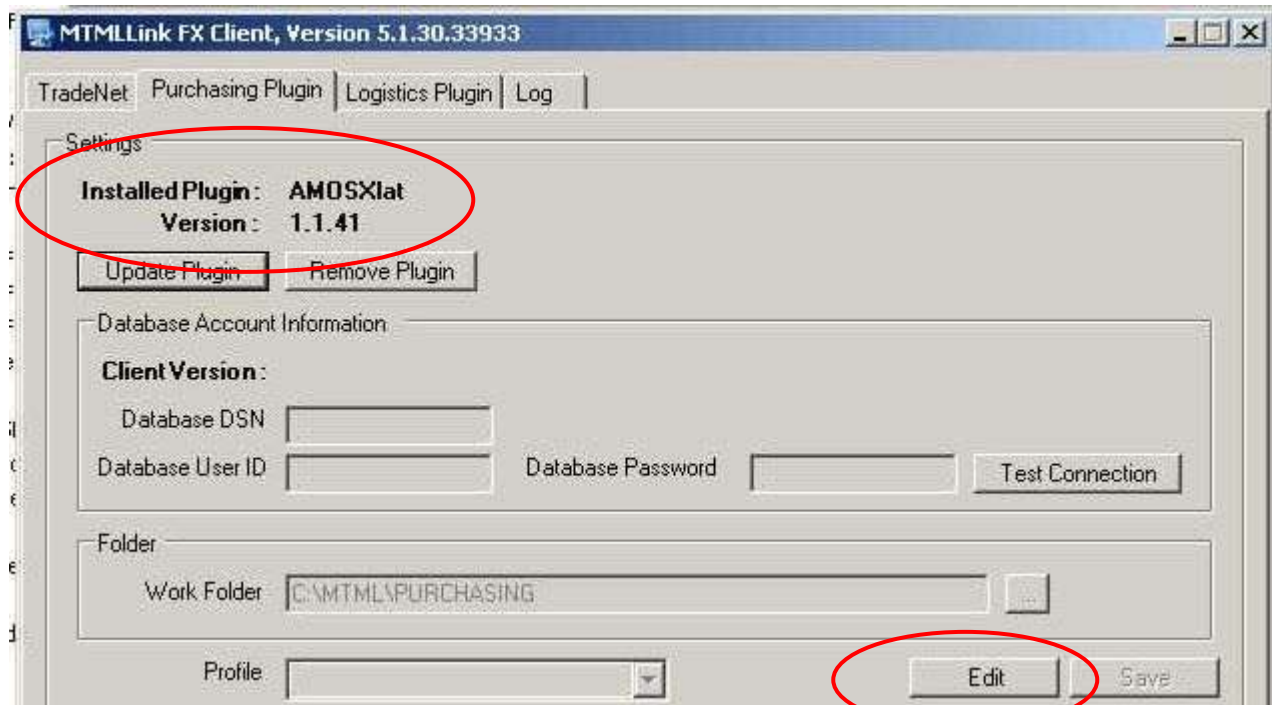
3. Purchasing Plugin

3.1. Install Plugin

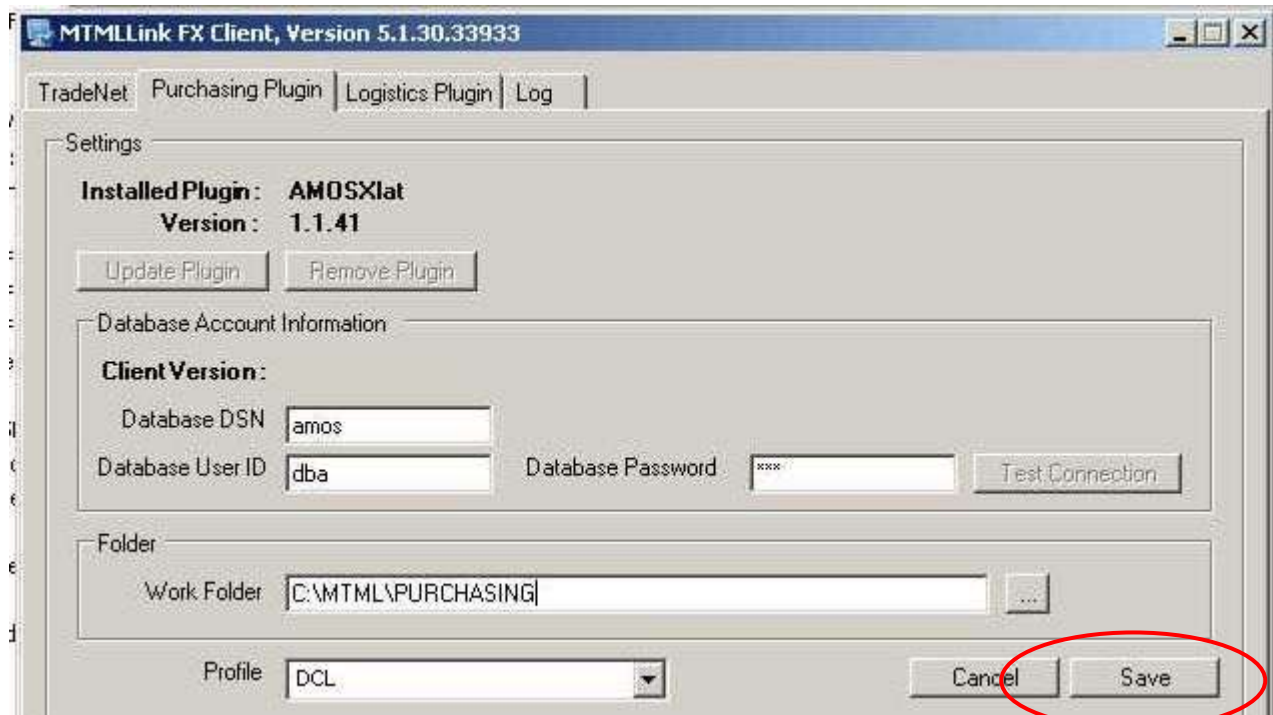
- Before setting up the Purchasing Plugin, please see the **Plugins Prerequisite** under the **Database Connection Setup** section.
- Click the **Purchasing Plugin** tab. Click the **Install Plugin** button.



- After the plugin has been downloaded and installed, the **Installed Plugin:** and **Version:** labels will show the plugin and version respectively.



- Click the **Edit** button.



- Fill out the Database Connection credentials to connect to the client database:
 - Database DSN
 - Database User ID
 - Database Password
 - Work Folder – This will be the folder location where the downloaded plugin will be saved before it is run to execute the update patches. **(TBC)**
 - Profile – Select the profile assigned by ShipServ.

Note: These are the ids of the client database details; please obtain this information from your local database administrator.

- Fill out the Data as per user specifications:
 - Work Folder – Temporary files will be placed here
 - Profile – Select the profile assigned by ShipServ
- Click on the **Save** button.



Database Account Information

Client Version :

Database DSN

Database User ID Database Password

Test Connection

Folder

Work Folder

Profile

Edit Save

- Click on the **Test Connection** button to check if the credentials are correct. If so, you should see a “Connection opened successfully” message.



- Periodically, the client will be informed by Technical Support when certain plugins need to be updated. When this happens, click on the **Update Plugin** button.
- Follow the online instructions to download and install the plugin update. When you see a dialog box that has options whether to **Repair**, **Install** or **Remove** appears, select the **Repair** option so the existing configurations don't get erased. **(TBC)**
- You will get a notification when update has been completed.

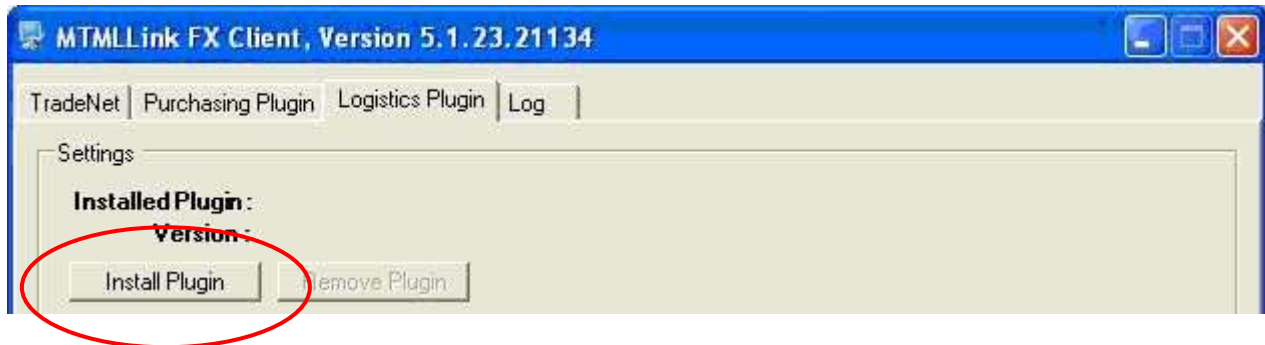
3.2. Remove Plugin

- Click the **Remove Plugin** button then follow the on-screen instructions for plugin removal.

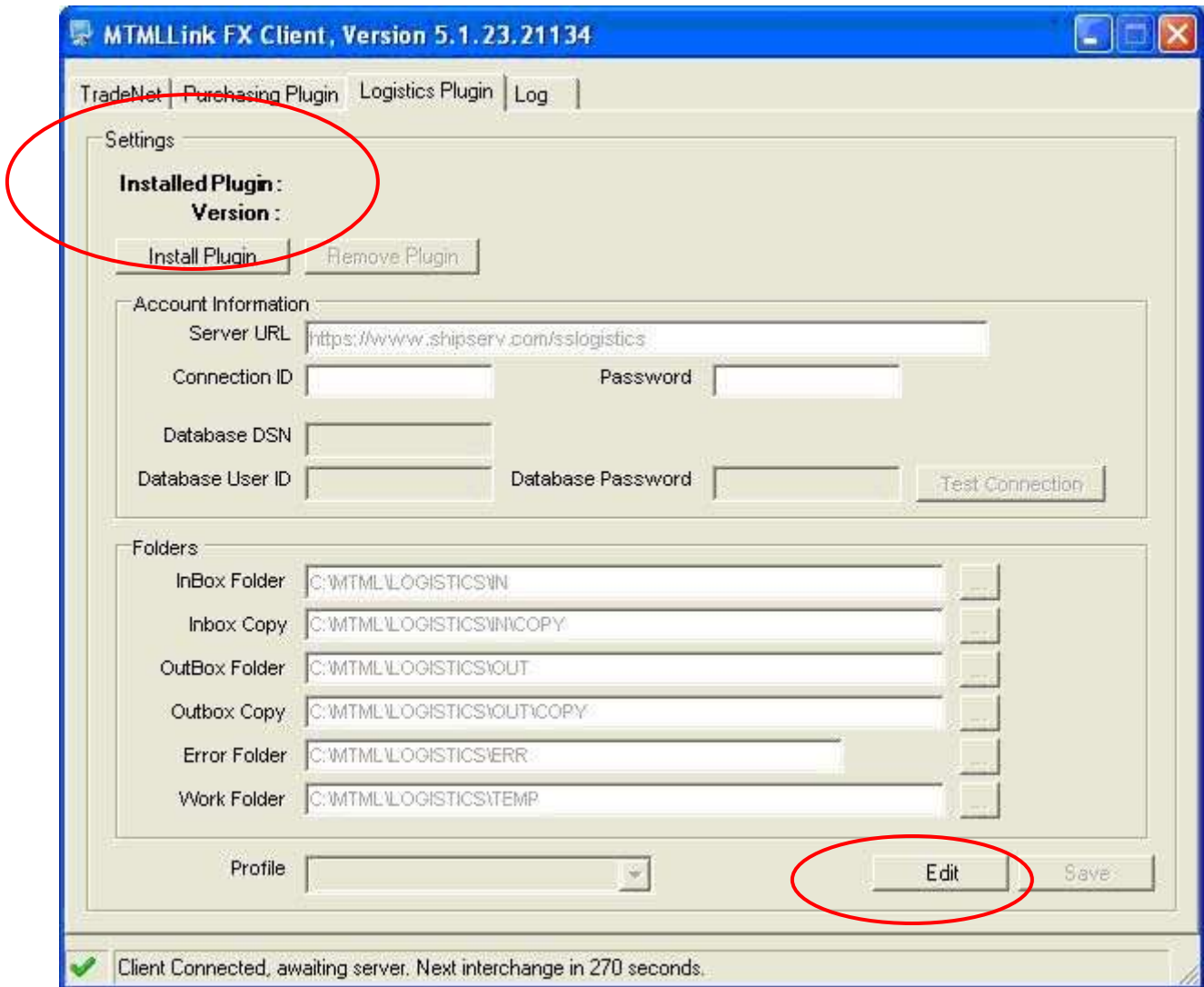
4. Logistics Plugin

4.1. *Install Plugin*

- Before setting up the Logistics Plugin, please see the **Plugins Prerequisite** under the **Database Connection Setup** section.
- Click the **Logistics Plugin** tab. Click the **Install Plugin** button.



- After the plugin has been downloaded and installed, the **Installed Plugin:** and **Version:** labels will show the plugin and version respectively.



- Click the **Edit** button.



- Fill out the assigned information from ShipServ:
 - Server URL
 - Connection ID
 - Password
- Fill out the Database Connection credentials to connect to the client database:
 - Database DSN
 - Database User ID
 - Database Password

Note: These are the ids of the client database, please obtain this information from your local database administrator.
- Fill out the Data as per user specifications:
 - InBox Folder – This is where your incoming logistics file from TradeNet will be placed
 - InBox Copy – A copy of each incoming logistics file will be put here
 - Outbox Folder – Any file in this folder will be sent to ShipServ TradeNet
 - Outbox Copy – A copy of each file sent to ShipServ will be placed here
 - Error Folder – Any transactions which cause errors will be placed here

- Work Folder – Temporary files will be placed here
- Profile – Select the profile assigned by ShipServ
- Click on the **Save** button.



Account Information

Server URL

Connection ID Password

Database DSN

Database User ID Database Password

- Click on the **Test Connection** button to check if the credentials are correct. If so, you should see a “Connection opened successfully” message.



- Periodically, the client will be informed by Technical Support when certain plugins need to be updated. When this happens, click on the **Update Plugin** button.
- Follow the online instructions to download and install the plugin update. When you see a dialog box that has options whether to **Repair**, **Install** or **Remove** appears, select the **Repair** option so the existing configurations don't get erased. **(TBC)**
- You will get a notification when update has been completed.

4.2. Remove Plugin

- Click the **Remove Plugin** button then follow the on-screen instructions for plugin removal.

5. Proxy Server

As this is a generic document, not all clients will be using a Proxy Server. Please ignore this section you are not using one. If you are unsure with the settings, please confirm with your ShipServ representative.



The screenshot shows a 'Proxy Server' configuration dialog box. It contains four input fields: 'Proxy Server' with the value '213.83', 'Authorization' with a dropdown menu set to 'Basic', 'User' (empty), and 'Password' (empty).

Proxy Server: Name of proxy server (<http://proxyname.domain:8080>) or IP Address

Authorization: Authorization type

User: User name required to connect to your proxy server

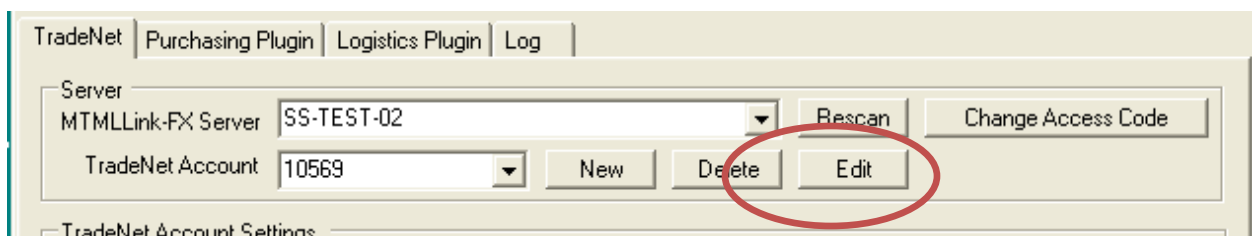
Password: Password required to connect to your proxy server

6. Configuring the MTMLink FX

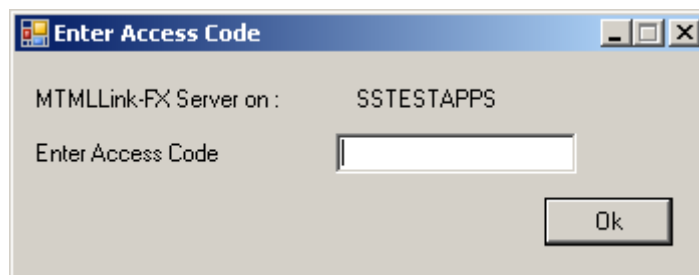
6.1. Routing of Downloaded Documents

MTMLink-FX can be configured to save a specified document type to a particular folder.
To configure as follows:

1. Click the “Edit” button in the “Tradenet” tab:



2. Enter your Access Code which is “SHIPSERV” (in upper-case letters), if not changed, and click on the ‘Ok’ button. The grayed-out fields should now become editable.



3. Click on the “Advanced...” button.

TradeNet | Purchasing Plugin | Logistics Plugin | Log

Server
 MTMLLink-FX Server: SS-TEST-02 [Rescan] [Change Access Code]
 TradeNet Account: 10569 [New] [Delete] [Edit]

TradeNet Account Settings

Account Information
 Server URL: http://dev.shipserv.com/SSMTML
 User ID: b_andaya Password: ***** [Ping Server]

Folders
 InBox Folder: \\WBOXSVR\DocEx\10569\WN [Advanced...]

- Click on the “New” button.

Advanced

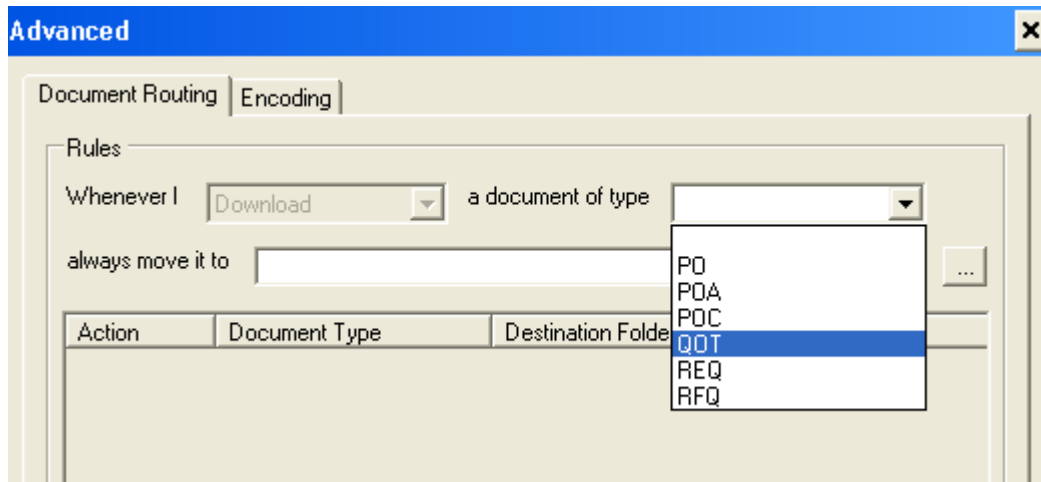
Document Routing | Encoding

Rules
 Whenever I [] a document of type []
 always move it to []

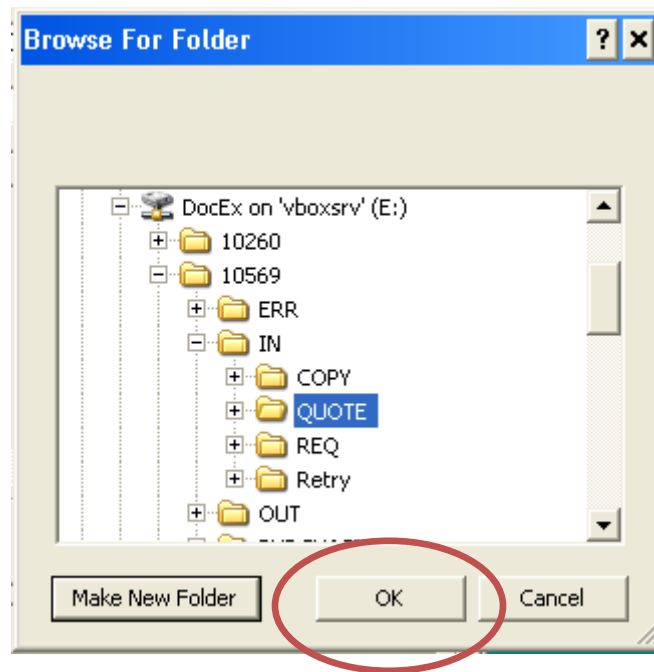
Action	Document Type	Destination Folder

[New] [Edit] [Delete]

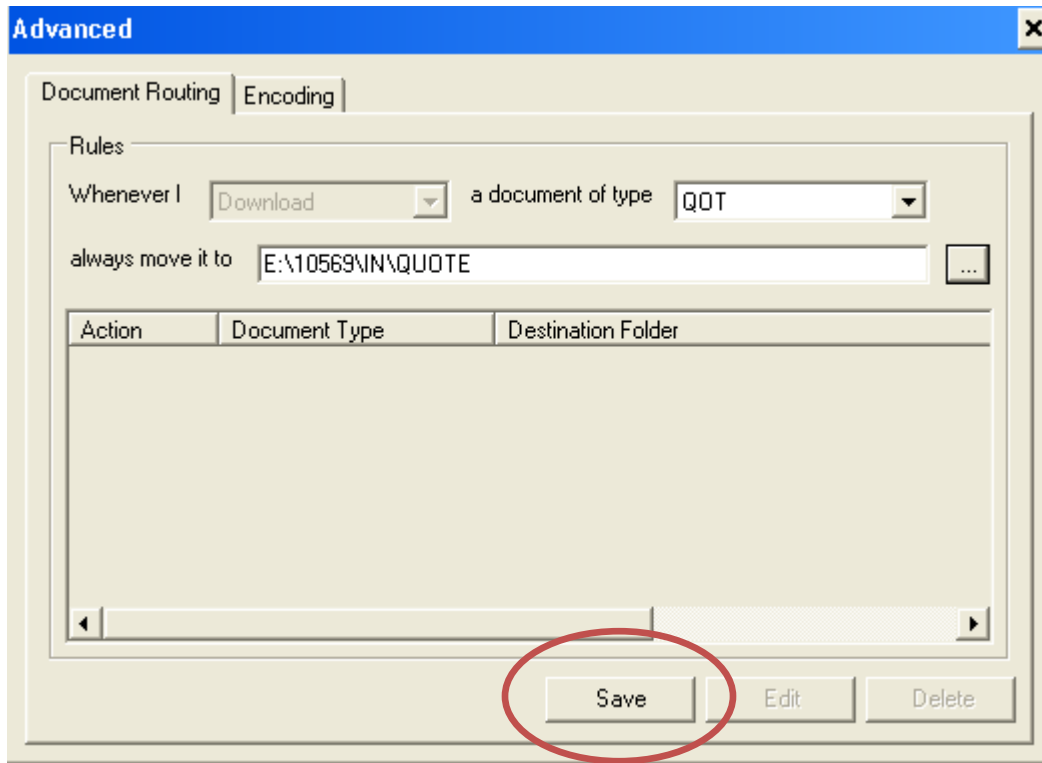
- Select the document type to route.



6. Select the folder where the downloaded document will be placed in and click on the “OK” button.



7. Click on the “Save” button.

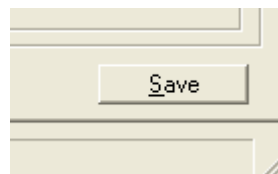


8. This will be added to the grid.

Action	Document Type	Destination Folder
Download	QOT	E:\10569\IN\QUOTE

9. Close the window when done. 

10. Click on the "Save" button to save changes.



7. Using the MTMLlink FX

7.1. Force Exchange

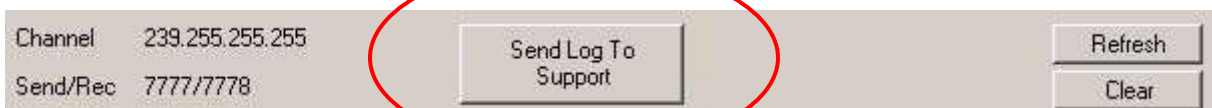
A Send/Receive action will be executed every so many seconds specified in the Poll Time field. A force Send/Receive can be executed by clicking the **Exchange Now!** button.

7.2. Transaction Log

A log is created for every transaction. You can view this log file by clicking on the **Log** tab. To clear the log file, click the **Clear** button.

7.3. Send Transaction Log to Technical Support

To send the Log file to Technical Support, click on the **Send Log To Support** button under the **Log** tab.



7.4. Plugins Prerequisite

7.4.1. Microsoft .NET Framework 2.0

Open the **Add or Remove Programs** in the **Control Panel**. Check if the **Microsoft .NET Framework 2.0** is present. If none, please click on:

<http://www.microsoft.com/downloads/details.aspx?FamilyID=0856EACB-4362-4B0D-8EDD-AAB15C5E04F5&displaylang=en>

Download and install.

7.4.2. Microsoft Oracle .NET Data Provider

Open the **Add or Remove Programs** in the **Control Panel**. Check if the **Microsoft Oracle .NET Data Provider** is present. If none, please click on:

<http://www.microsoft.com/downloads/details.aspx?familyid=4f55d429-17dc-45ea-bfb3-076d1c052524&displaylang=en>

Download and install.

8. Appendix A: Local Firewall considerations

Firewall Considerations for MTMLlink-FX client

The MTMLlink-FX system service communicates with the TradeNet servers via normal web protocols (HTTP and HTTPS), so normally you should NOT need to open any extra ports on your Firewall to allow the MTMLlink Service running on your computer to communicate correctly with the TradeNet servers.

However, the MTMLlink-FX Client uses other protocols (UDP multicast) to locate and communicate with the MTMLlink-FX Service which is running on your server. This allows the MTMLlink-FX Client to be installed on a *different* computer on your LAN to where the MTMLlink-FX Service is running.

If you are running a local firewall on the computer where the MTMLlink Client is running, you should open **UDP port 7777** on that computer to **incoming** traffic to allow MTMLlink-FX Client to configure and monitor the MTMLlink-FX service, EVEN IF you are running the MTMLlink-FX Client on the SAME computer as the system service.

If you are using Windows XP's built-in firewall, you can do this using the following command:
NETSH FIREWALL add portopening protocol=UDP port=7777 name=ShipServ-MTMLlink-FX mode=ENABLE

If you are using a different firewall product, please refer to your vendor documentation.

Please feel free to contact us for any further explanation. support@shipserv.com

9. Appendix B: Client Specific Configurations

Please use the tables below to note your specific configurations.

Field	Value
TradeNet Tab	
MTMLink-FX Server	
TradeNet Account	
Server URL	
User ID	
Password	
InBox Folder	
InBox Copy	
OutBox Folder	
OutBox Copy	
Error Folder	
Work Folder	
Integration	
Poll Time	
Proxy Server (if applicable)	
Authorization (if applicable)	
User (if applicable)	
Password (if applicable)	
Purchasing Tab (if applicable)	
Database DSN	
Database User ID	
Database Password	
Work Folder	
Profile	
Logistics Tab (if applicable)	
Server URL	
Connection ID	
Password	
Database DSN	
Database User ID	
Database Password	
InBox Folder	
InBox Copy	
OutBox Folder	
OutBox Copy	
Error Folder	
Work Folder	
Profile	

10. Appendix C: TradeNet tab Folder Functions

10.1. *InBox Folder*

Default: C:\MTML\IN

The downloaded document is saved in this folder with filename format:

```
[TradeNet ID] + [_] + [Download Year] + [Download Month] +  
[Download Day] + [_]+ [Download Time (HHMMSS)] + [_] +  
[TradeNet Internal Sequence (99)]
```

Example:

```
77988_20091215_151255_87.XML
```

10.2. *InBox Copy*

Default: C:\MTML\IN\COPY

Two copies of the downloaded document are saved in this folder with the filename format:

```
[TradeNet ID] + [_] + [Download Year] + [Download Month] +  
[Download Day] + [_]+ [Download Time (HHMMSS)] + [_] +  
[TradeNet Internal Sequence (99)]
```

And

```
[TradeNet ID] + [_] + [Download Year] + [Download Month] +  
[Download Day] + [_]+ [Download Time (HHMMSS)] + [_] +  
[TradeNet Internal Sequence (99)] + [.] + [Extension]
```

Example:

```
10569_20090729_121537_19.XML  
10569_20090729_121537_19.XML.XML
```

10.3. *OutBox Folder*

Default: C:\MTML\OUT

Documents placed in this folder will be sent out in the next Send/Receive process.

10.4. **OutBox Copy**

Default: C:\MTML\OUT\COPY

If the document placed in the OutBox folder is sent successfully, the document is moved from the OutBox folder to this folder.

10.5. **Error Folder**

Default: C:\MTML\ERR

If an error is encountered when sending a document placed in the OutBox folder, the document is moved from the OutBox folder to this folder.

10.6. **Work Folder**

Default: C:\MTML\TEMP

This folder is being used for miscellaneous temporary processing.

10.7. **Interchange Control Response (ICR) Folder**

Default: C:\MTML\OUT\R

After the document in the OutBox folder has been processed, whether successful or failed, an ICR file with the same file name is stored here.

Exceptions:

- Sending error due to timeout issue
- The Save ICR flag is set to FALSE in for the selected Integration Type

10.8. **Interchange Control Response (ICR) Copy Folder**

Default: C:\MTML\OUT\COPY\R

After the document in the OutBox folder has been processed, whether successful or failed, an ICR file with the same file name is stored here.

Exceptions:

- Sending error due to timeout issue
- The Save ICR flag is set to FALSE in for the selected Integration Type