

# Access to Pubnet via FTP

Updated: 8/10/2016

FTP is recommended for its ease of use and high-speed connection. FTP connects you to the private network, so you are still protected by advanced security. Encryption is not being implemented for ftp.

Two levels of id/password are required. The first allows access to the private network while the second allows access to your private mailbox.

It is recommended that you incorporate error checking into your FTP scripts. The level of error checking you incorporate is up to you; current users have implemented a wide range of error checking from very basic to very complex.

A sample FTP session is provided here for your convenience.

## FTP to Pubnet

The Pubnet ftp process is very straightforward. This document explains logging on, listing the contents of your mailbox and sending and receiving files.

### Formatting within examples:

<b>Bold</b>	User Entries
<b><i>Bold Italics</i></b>	User Entries that are specific to your mailbox or your files
<i>[Italics]</i>	Explanatory Comments
Plain Text	System Prompts/Responses

## Log On:

```
ftp> open ftp-edi.pubnet.org
```

```
    [The domain name is recommended though you can specify the IP address.
```

```
    The current IP address is: 204.90.130.189]
```

```
Connected to ftp-edi.pubnet.org
```

```
220-
```

```
*****WARNING*****
```

```
    This system is for use by authorized users only.
```

```
*****
```

```
    All activities on this system are recorded and may be monitored for the
purpose of tracking down intruders. In the course of monitoring individuals
improperly using this system or during system maintenance, the activities of
authorized users may also be monitored.
```

```
Anyone using this system expressly consents to such monitoring and is advised
that if such monitoring reveals possible evidence of criminal activity,
system personnel may provide the evidence of such monitoring to law
enforcement officials.
```

```
Global Exchange Services, Inc. 100 Edison Park Drive, Gaithersburg, MD 20878
```

```
*****
```

```
220 Proxy first requires authentication
```

User (ftp-edi.pubnet.org:(none)): **pnxx**  
[Enter your ftp proxy id, provided by Pubnet]  
331 Enter authentication password for pn969  
Password: **xxxxxx**  
[Enter your ftp password provided by Pubnet]  
230 User authenticated to proxy  
ftp> **user "7999999@edi.pubnet.org 10245" PASSWORD**  
[Replace 7999999 with your mailbox id and PASSWORD with your mailbox password]  
331-(---GATEWAY CONNECTED TO edi.pubnet.org---)  
331-(220 Enterprise FTP server (Version 1.0.0 Nov. 5, 1996))  
331 Password required for 7999999  
230-Signon to mailbox 7999999 successful.  
230 Using ASCII mode to transfer files.

### **List the Contents of your Mailbox:**

You can list the contents of your 'mailbox' (in-box) or from your 'postbox' (sent-box).

ftp> **ls mblast**

[List the contents of your mailbox]  
200 Port command successful.  
150 Opening ASCII mode data connection for transfer  
226-  

<u>Mailbox</u>	<u>Status</u>	<u>APRF</u>	<u>SNRF</u>	<u>Service Ref #</u>
8910006	N	855BK3060	000000400	003123330877174777

[Status=N for unextracted documents. Status=Y for previously extracted documents.  
APRFs identify the type of document, i.e. po, poa, invoice, and version, i.e. 3020, 3060,  
and 4010]  
226 Transfer complete.  
478 bytes sent in 0.00 seconds (478000.00 Kbytes/sec)

### **Send/Receive Files:**

You can send/receive files that will contain the X12 documents:

ftp> **put 850docs.txt**

[send a file through to a trading partner]  
200 Port command successful.  
150 Opening ASCII mode data connection for transfer  
226-  

<u>Service Ref#</u>	<u>APRF</u>	<u>SNRF</u>	<u>Sender/Receiver</u>
003123330877174777	850BK3060	000000400	7999999/8910006

226 Transfer complete.  
478 bytes sent in 0.00 seconds (478000.00 Kbytes/sec)

ftp> **get \* 855file.txt**

[use the 'get' command to pick up files from your mailbox. '\*' will pick up everything that  
has not yet been extracted, status=N. You can also pick up specific documents by

*Service Reference #, or by 'APRF'. In this example, '855file.txt' is the name of your target file]*

200 Port command successful.  
150 Opening ASCII mode data connection for transfer  
226 1 document is received  
226 Transfer Complete.  
4592 bytes received in x.xx seconds (x.xx Kbytes/sec)

### **Exit the ftp session:**

ftp> quit

=====

### **Notes:**

- 1) Your ids and passwords will be provided to you by Pubnet, and identified as 'ftp' id/password, and 'mailbox' id/password.
- 2) It is critical that you build some level of error checking into your ftp scripts. In the event that an error is encountered your script should allow for recovery, as well as report the problem.
- 3) During testing, logging should be turned on. Should a problem be encountered, Pubnet may request you submit these logs to assist with analysis.

## **Actual FTP Session**

```
ftp> open ftp-edi.pubnet.org
Connected to ftp-edi.pubnet.org.
220-Proxy first requires authentication
220 fw2.md.geis.com FTP proxy (Version 3.2) ready.
User (ftp-edi.pubnet.org:(none)): pnxx
331 Enter authentication password for pnxx
Password: xxxxxxxx
230 User authenticated to proxy
ftp> user "7999999@edi.pubnet.org 10259" PASSWORD
331-(---GATEWAY CONNECTED TO edi.pubnet.org---)
331-(220 Enterprise FTP server (Version 1.0.0 Nov. 5, 1996))
331 Password required for 7999999
230-Signon to mailbox 7999999 successful.
230 Using ASCII mode to transfer files.
ftp> ls mblast
200 Port command successful.
150 Opening ASCII mode data connection for transfer
226-
  

| <u>Mailbox</u> | <u>Status</u> | <u>APRF</u> | <u>SNRF</u> | <u>Service Ref #</u> |
|----------------|---------------|-------------|-------------|----------------------|
| 8910006        | N             | 855BK3060   | 000000400   | 003123330877174777   |


226 Transfer complete.
478 bytes sent in 0.00 seconds (478000.00 Kbytes/sec)
ftp> get * 855file.txt
200 Port command successful.
150 Opening ASCII mode data connection for transfer
226 1 document is received
226 Transfer Complete.
4592 bytes received in x.xx seconds (x.xx Kbytes/sec)
ftp> quit
```