Setting up encrypted tunnel to EXANTE using stunnel

EXANTE

Version 1.1

Contents

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Basic information

EXANTE FIX connection is encrypted and requires encryption software installed on the client side. Stunnel is a program that allows the client to establish secure encrypted connection between his computer and EXANTE servers.

In order to set up the software on his side, the client needs to install Stunnel on the client side. Stunnel is an open-source program used to provide universal TLS/SSL tunneling service. Client will need Stunnel to maintain the connection.

Setting up stunnel

After the installation, the client needs to copy the sample stunnel config provided by EXANTE (can be found below) into the stunnel installation folder, into the file called stunnel.conf. The first line (CAfile) should contain the correct path to the CA file.

Here's an example of that line for Windows platform:
```
1    CAfile = C:\Program Files (x86)\stunnel\EXANTEca.crt
```
The file name and path can be different on the client's system.

After that, the client should be ready to run stunnel and connect to port specified in his stunnel.conf file. For example, 127.0.0.1:8100 and 127.0.0.1:8101

Stunnel sample config

Here is the sample config file for stunnel. Please pay attention that ciphers (line 9) should be listed in a single line.

```
1    CAfile = ca.crt
2
3    verify = 2
4
5    sslVersion = all
6    options = NO_SSLv2
7    options = NO_SSLv3
8
9    ciphers =
     ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-AES256-GCM-SHA384:DHE-DSS-AES256-GCM-S
     HA384:DHE-RSA-AES256-GCM-SHA384:ECDH-RSA-AES256-GCM-SHA384:ECDH-ECDSA-AES256-G
     CM-SHA384:AES256-GCM-SHA384:DHE-RSA-AES256-SHA:DHE-DSS-AES256-SHA:AES256-SHA
10
11   socket = l:TCP_NODELAY=1
12   socket = r:TCP_NODELAY=1
13
14   ;compression = zlib
15
16   debug = 7
17
18   [FEED_FIX_BRIDGE]
19   client = yes
20   accept = 127.0.0.1:8100
21   connect = fixprod(ln|ld4|eu|ny|usa).exante.eu:27000
22
23   [BROKER_FIX_BRIDGE]
24   client = yes
25   accept = 127.0.0.1:8101
26   connect = fixprod(ln|ld4|eu|ny|usa).exante.eu:27001
```