

Echo Configuration Between FIXEdge and Simple Client

1. [Install FIXEdge](#) (Simple Installation)
2. Add new Session to FIXEdge.properties (c:\B2BITS\FIXEdge\v.5.7.0.62818\FixEdge1\conf\FIXEdge.properties)

FIXEdge.properties

```
FixLayer.FixEngine.Sessions = TestEchoAcceptor

FixLayer.FixEngine.Session.TestEchoAcceptor.Version = FIX44
FixLayer.FixEngine.Session.TestEchoAcceptor.StorageType = persistentMM
FixLayer.FixEngine.Session.TestEchoAcceptor.Role = Acceptor
FixLayer.FixEngine.Session.TestEchoAcceptor.SenderCompID = FIXEDGE
FixLayer.FixEngine.Session.TestEchoAcceptor.TargetCompID = FIXECHOCLIENT
FixLayer.FixEngine.Session.TestEchoAcceptor.EncryptMethod = 0
FixLayer.FixEngine.Session.TestEchoAcceptor.InSeqNum = 0
FixLayer.FixEngine.Session.TestEchoAcceptor.OutSeqNum = 0
FixLayer.FixEngine.Session.TestEchoAcceptor.Description = FIX session for echo testing
FixLayer.FixEngine.Session.TestEchoAcceptor.StartTime = 08:00
FixLayer.FixEngine.Session.TestEchoAcceptor.TerminateTime = 23:59
FixLayer.FixEngine.Session.TestEchoAcceptor.RecreateOnLogout = true
FixLayer.FixEngine.Session.TestEchoAcceptor.IntradayLogoutTolerance = true
FixLayer.FixEngine.Session.TestEchoAcceptor.ForceSeqNumReset = false
FixLayer.FixEngine.Session.TestEchoAcceptor.SocketPriority = EVEN
FixLayer.FixEngine.Session.TestEchoAcceptor.HandleSeqNumAtLogon = false
```

3. Configure BL rules (c:\B2BITS\FIXEdge\v.5.7.0.62818\FixEdge1\conf\BL_Config.xml)

BL_Config.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<FIXEdge>
  <BusinessLayer>
    <!-- Rule messages from Simple Client send back switching SenderCompID and TargetCompID -->
    <Rule>
      <Source>
        <FixSession SenderCompID="FIXECHOCLIENT" TargetCompID="FIXEDGE"/>
      </Source>
      <Action>
        <Send>
          <FixSession SenderCompID="FIXEDGE" TargetCompID="FIXECHOCLIENT"/>
        </Send>
      </Action>
    </Rule>
    <DefaultRule>
      <Action>
        <DoNothing/>
      </Action>
    </DefaultRule>
  </BusinessLayer>
</FIXEdge>
```

4. Run FixEdge (e.g using run script)
c:\B2BITS\FIXEdge\v.5.7.0.62818\bin\FixEdge1.run.cmd
5. Open SimpleClient. (It can be found in Fix Antenna package). And create new session as **Initiator**:

Session -> Create New ...
SenderCompID = FIXECHOCLIENT
TargetCompID = FIXEDGE
FIX Version = 4.4
Remote Port = 8901 (ListenPort parameter in FE engine.properties -> c:\B2BITS\FIXEdge\v.5.7.0.62818\FixEdge1\conf\engine.properties)

6. Send message from SimpleClient

New Order - Echo test.msg

```
8=FIX.4.49=17535=D49=FIXECHOCLIENT56=FIXEDGE34=252=20131125-09:37:09.68011  
=Order#121=1100=155=TESTSMBL54=160=20131124-04:11:46.76838=2000040=244=34.710=203
```

File contained SOH symbols: [NewOrderEchoTestMessage.txt](#)

7. Echo message from FIXEdge is received:

Receive.msg

```
Incoming message: 8=FIX.4.49=14935=D49=FIXEDGE56=FIXECHOCLIENT34=352=20140228-14:43:19.01811  
=Order#121=1100=155=TESTSMBL54=160=20131124-04:11:46.76838=2000040=244=34.710=074
```

Troubleshooting:

FixEdge should be checked for running state after step 4. File c:\B2BITS\FIXEdge\v.5.7.0.62818\FixEdge1\log\FIXEdge.log should have no [ERROR] or [FATAL] messages.

FE and SimpleClient are using same license.

SeqNum problems can be resolved by cleaning logs on both sides.