

Configuring Session Failover

QuickFIX/J supports failover in both the initiators and acceptors. On the initiator side, multiple connections can be configured. If a connection fails, the initiator will try the next connection until it is able to reconnect. On the acceptor side, a session can be configured to reload its session state before a logon is processed. In a failover scenario, the active session might be updating a persistent session state that can be accessed by the backup session when failover occurs.

Initiator Configuration

The following configuration shows how to configure multiple initiator connections.

```
[default]
FileStorePath=examples/target/data/banzai
BeginString=FIX.4.2
ConnectionType=initiator
StartTime=00:00:00
EndTime=00:00:00
HeartBtInt=30
ReconnectInterval=5

[session]
SenderCompID=BANZAI
TargetCompID=EXEC
SocketConnectHost=localhost
SocketConnectPort=9876
SocketConnectHost1=localhost
SocketConnectPort1=9877
```

Acceptor Configuration

The acceptors must have access to shared session state. The state could be stored in a database or in a file accessible to both acceptors. The `RefreshOnLogon` option in the following configuration will cause the acceptor to load the session state when a login request is received. This allows a passive, backup acceptor to continue a session correctly.

If you are running the acceptors on separate hosts, you could use the following configuration file on each host. If you are configuring redundant acceptors on the same host, you'll need to provide unique accept ports.

```
[default]
# JDBC store configuration, for example ...
BeginString=FIX.4.2
ConnectionType=acceptor
StartTime=00:00:00
EndTime=00:00:00
HeartBtInt=30
SocketAcceptPort=9877
```

```
[session]
SenderCompID=EXEC
TargetCompID=BANZAI
RefreshOnLogon=Y
```