

Quick Start Guide

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Overview

FIX Edge Java is an application server providing FIX connectivity to multiple clients. Client applications communicate with FEJ through one of the multiple transport protocols (e.g. Simple Sockets, TIBCO, JMS, HTTPs) employing transport adaptors. It is designed to be as easy as possible to install, configure, administrate and monitor trading information flows. It is written in Java and has a performance profile suitable for the needs of all clients up to and including large sell-side institutions and large volume traders.

System Requirements

To get started, make sure your system has [Java 8](#) or higher.

```
$ java -version
java version "1.8.0_60"
Java(TM) SE Runtime Environment (build 1.8.0_60-b27)
Java HotSpot(TM) 64-Bit Server VM (build 25.60-b23, mixed mode)
```

Configuration

This section will acquaint you with the basic information used during the configuration of the application.

All of the information in the configuration files is read at startup, meaning that any change to the files necessitates a restart of the application.

The conf folder holds the configuration files for FEJ.

```
C:\usr\share\fixedgej\conf>ls -la
total 39
drwxr-xr-x  1 root root    8192 Apr  4 15:30 .
drwxr-xr-x  1 root root   4096 Apr  4 15:25 ..
-rw-r--r--  1 root root   3280 Mar 24 14:20 cluster.xml (1)
-rw-r--r--  1 root root   1462 Mar 24 14:20 fej-context.xml (2)
-rw-r--r--  1 root root   1273 Mar 24 14:20 fej-jms.xml (3)
-rw-r--r--  1 root root   2562 Mar 24 14:20 fej-monitoring.xml (4)
-rw-r--r--  1 root root   2745 Mar 24 14:20 fej-replication.xml (5)
-rw-r--r--  1 root root   2837 Apr  3 20:36 fej-routing.xml (6)
-rw-r--r--  1 root root   1655 Mar 24 14:20 fej-scheduling.xml (7)
-rw-r--r--  1 root root   2502 Mar 24 14:20 fej-security.xml (8)
-rw-r--r--  1 root root   1764 Mar 24 14:20 fej-server.xml (9)
-rw-r--r--  1 root root   2122 Mar 24 14:20 fixedge.properties (10)
-rw-r--r--  1 root root    659 Mar 24 14:20 fixengine.properties (11)
-rw-r--r--  1 root root   3196 Mar 24 14:20 jms-adaptor.properties (12)
-rw-r--r--  1 root root   1298 Mar 24 14:20 log4j2.xml (13)
drwxr-xr-x  9 root root   4096 Apr  4 15:25 reject (14)
-rw-r--r--  1 root root   3782 Apr  4 14:07 replication.properties (15)
-rw-r--r--  1 root root    313 Mar 24 14:20 rules.groovy (16)
-rw-r--r--  1 root root    287 Mar 24 14:20 schedules.xml (17)
drwxr-xr-x  3 root root     0 Apr  4 15:25 session (18)
-rw-r--r--  1 root root    383 Mar 24 14:20 shell.properties (19)
-rw-r--r--  1 root root     30 Mar 24 14:20 users.properties (20)
-rw-r--r--  1 root root  10835 Mar 24 14:20 wrapper.conf (21)
```

1. Hazelcast cluster configuration. See Cluster Service.
2. Main Spring application context.
3. JMS related beans. See JMS Transport Adapter.

4. JMX and SSH related beans.
5. Replication-related beans.
6. Routing related beans.
7. Scheduler configuration.
8. Spring Security configuration. See Security configuration.
9. Fix server configuration.
10. FEJ configuration properties.
11. FIXAJ configuration properties. See FIX Antenna Java configuration.
12. JMS adaptor configuration properties. See JMS Transport Adapter.
13. Logging configuration. See Logging configuration.
14. Directory with templates for FIX reject messages
15. Replication service configuration. See Replication Service.
16. Custom routing rules go here. See Routing Rules.
17. Custom scheduler tasks go here.
18. Directory with session configuration. See FIX Session configuration.
19. Remote shell configuration. See Administrative shell configuration.
20. Properties file containing users for in-memory authentication. See In-Memory Authentication.
21. Wrapper configuration. See Wrapper configuration.