This document provides a quick overview of setting up a clustered environment using Fabric3.

## Prerequisites

The tutorials may be downloaded from <http://www.fabric3.org/downloads> and require the following software:

* JDK 5.0 or later.
* Maven 2.0.8 or later to build the tutorial projects. Maven can be downloaded from <http://maven.apache.org/download.html>.

## Building BigBank

To build and deploy BigBank, go to the bigbank project folder and execute:

mvn clean install



The build will produce four archives: bigbank-api-1.0.jar, bigbank-services-1.0.jar, bigbank-loan-1.0.jar, and fabric3-tutorial-bigbank-webclient-1.0.war.

## Deploying BigBank

Build the Fabric3 server distribution from the tutorials /server directory using 'mvn clean install'. This will output three server images to the /target directory. When the build completes, launch the controller and zone runtimes:

* From the controller/bin directory:

java -jar server.jar controller

* From the zone1/bin directory:

java -jar server.jar participant

* From the zone2/bin directory:

java -jar server.jar participant



After booting, the runtimes will discover each other and form a distributed domain consisting of two cluster zones. Note the runtimes may be on the same machine or different machines.

Copy the deployment archives to the controller/deploy directory. The controller will provision the loan service and UI archives to zone1 and the services archive to zone2.

If run on the same machine, the zone1 runtime will select an available HTTP port to expose the web interface. The HTTP port may vary depending on the start order of the three runtimes. When the runtime boots, it will report the HTTP to the console. The BigBank UI can be accessed at thttp://localhost:<zone1 port>/lending/applicationForm.html. After a loan application is submitted, you can view its status at: [http://localhost:](http://localhost:/)<zone2 port>/lending/status.html.