# 

Installation document

# Requirements

The following operating systems are supported:

* Oracle Linux 5.5 and above
* Ubuntu Linux 10.04 and above
* Windows 10
* Windows 8
* Windows 7
* Windows Vista

Additionally the Bootstrap server requires an internet connection for NTP time synchronization.

# Installation steps

In a hardware device which has one of the Operating Systems above, the next steps of Installation are:

## Install JAVA

### Linux

1. Download the file jre-8u*version*-linux-i586.tar.gzathttps://docs.oracle.com/javase/8/docs/technotes/guides/install/linux\_jre.html#CFHIEGAA
2. Before the file can be downloaded, you must accept the license agreement.( Note that only the root user can install the JRE into the system location).
3. Change directory to the location where you would like the JRE to be installed, then move the .tar.gz archive binary to the current directory.
4. Unpack the tarball and install the JRE
5. The JRE files are installed in a directory called **jre1.8.0\_version** in the current directory.
6. .tar.gzcan be deleted to save space

### Windows

1. Make sure you download java SE 1.8 for the product to exhibit expected results at <http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
2. Set java path in env variables from the **User Task Menu**>**System**>**Advanced System Settings** >**System Properties**> **Advanced**>**Environment Variables**. In the Environment Variables,set **Path** variable in the "System variables" section and click the **Edit** button. Add or modify the path lines with the path of folder with JRE.

The setup for running the product is complete. It is now needed to run the “.jar” file which is the product delivered to the user.

## Install MySQL

To run the Bootstrap server you will need to install MySQL. Go to this page and select proper package based on your platform: <http://dev.mysql.com/downloads/mysql/>

In the next page you can Login/Sign up if you have/want an Oracle account, otherwise at the bottom of the page choose "No thanks, just start my download." to start your download. The package size is between 250MB to 350MB depend on the platform you choose.

Make sure to set-up your MySQL installation using the following credentials:

|  |  |
| --- | --- |
| **TCP Port** | 3306 |
| **Username** | root |
| **Password** | sql |

### Linux

To install MySQL on Linux follow the instructions below:

<http://www.thegeekstuff.com/2008/07/howto-install-mysql-on-linux/>

### Windows

1. Once the mySQL server download is complete,double click the file to start the installation process.
2. Follow the instructions to install mySQL Installer – Community. Once the installation is complete it will open mySQL Installer from where you need to setup and create the mySQL server instance.
3. Add mysql command to the Windows PATH Variable, adding MySQL to the Windows PATH variable will allow you run various commands from the console, and allow 3rd party applications to execute various MySQL commands.
4. Download JDBC driver for MySQL in order to have Java program working with MySQL, we need a JDBC driver for MySQL. Browse this URL:<http://dev.mysql.com/downloads/connector/j/> to download the latest version of the JDBC driver for MySQL called Connector/J.
5. Copy this file into your project and make it available in your program’s classpath.

# Running the .jar file

At this point, the client haseverything he needs to run the .jar file provided to him. The steps to run the .jar file are :

## Linux

1. Open the terminal
2. Use **cd** to change the directory of the .jar file
3. For the client type **java -jar Client.jar [local address] [bootstrap address]**For the bootstrap server type **java -jar Bootstrap.jar [local address]**

## Windows

# Open a notepad.exe.

# For the client write **java -jar Client.jar [local address] [bootstrap address]** For the bootstrap server type **java -jar Bootstrap.jar [local address]**

# Save it with the extension .bat

# Copy it to the directory which has the .jar file

# Double click it to run your .jar file