**The compilation and deployment sections are provided with instructions for Linux/MAC command line. For windows, please use respective windows command line options.**

## Accessing Chronos on the Web

Chronos is deployed on Amazon AWS. Access chronos using the browser using credentials admin/admin

<http://kaushikk.me:8080/chronos/login>

Note: If there is a JDBC connection error, reload the page. Database pool might have been disconnected internally.

## Compiling

Prerequisites:

1. Apache Maven - <https://maven.apache.org/download.cgi>

Extract Archive. Please make sure apache-maven-<version>/bin is in command line PATH.

1. JDK – Java 8 update 40 or higher

Steps:

Execute the following in command line

1. Extract Archive
2. Change to chronos directory

Cd chronos

1. Chronos uses maven build for compilation.
2. TO build war file

# mvn package

1. Chronos.war will be available in target/ folder

## Deployment:

### $HOME Folder

## On Mac - /Users/<username>

## On Windows – C:\Users\<Username>

The deployment assumes

1. Chronos code is present in $HOME folder. For Example on mac

/Users/<username>/chronos

### Prerequisites

1. Mysql Server - <http://dev.mysql.com/downloads/mysql/>
2. Java – Java 8 update 40 or higher
3. Apache Tomcat 7 – (<http://tomcat.apache.org/download-70.cgi)>
   1. Extract the downloaded tomcat archive to $HOME / User’s Home folder.

For example, IN Mac, If my home directory is /Users/Kaushik, Apache will be extracted to folder /users/Kaushik/apache-tomcat-7.0.68/

Kaushiks-MacBook-Pro:apache-tomcat-7.0.68 kaushik$ pwd

/Users/kaushik/apache-tomcat-7.0.68

1. Mysql Workbench (Optional)
2. Setup Mysql Passwords (Mandatory)
   1. Change Mysql root password. Chronos webapp is configured internally to use mysql’s username password combination of root/root123. You can follow the instructions below or use Mysql workbench or any other option to change the root password

( <http://www.cyberciti.biz/faq/mysql-change-root-password/> )

Set the password for Root Account:

**Username: root**

**Password: root123**

1. Create Chronos Database. Create a schema/database called **chronos**. The below command explains the creation using mysql command line

**mysql –u root –p**

Enter Password: **root123**

mysql> drop database chronos;

mysql> create database chronos;

mysql> exit;

### Steps

1. Compile Chronos
   1. cd /Users/Kaushik/chronos
   2. mvn package
2. Copy chronos.war file to tomcat’s webapp directory

cd /Users/Kaushik/chronos/target

cp chronos.war /Users/Kaushik/apache-tomcat-7.0.68/webapp

1. Start Tomcat

Cd /Users/Kaushik/apache-tomcat-7.0.68/bin

./catalina.sh run

1. Login to Chronos from localhost:8080/chronos/login.jsp

Note: If there is a JDBC connection error, reload the page.