

# Install WAR on Tomcat (old)

The eHour WAR distribution is intended for deployment into an existing Tomcat application server.

## 1. Install Java

The Java runtime environment is not bundled with eHour. When Java is not installed, download and install the latest JRE from [Oracle's site](#)

## 2. Download eHour

If you haven't done so already, download the WAR distribution of eHour from <http://ehour.nl/download/download.phtml>


Extract it and remember the path, the location where you unpacked the zip file is the eHour home directory

## 2. Apache Tomcat installation

Apache Tomcat is the container server which hosts the application. If you don't have Apache Tomcat installed, download it from <http://tomcat.apache.org/download-70.cgi> and follow [their instructions](#).


## 3. Install the database

MySQL instructions

 Skip this step when you're performing an upgrade.

Follow the MySQL installation guide ([Linux](#), [Setup MySQL on Windows](#)) to install and setup your database.

PostgreSQL

 Skip this step when you're performing an upgrade.


Follow the [PostgreSQL install guide](#) to install and setup your database.

## 4. Configure Apache Tomcat

Before you deploy eHour in Tomcat you have to configure the database connection (make sure that Tomcat isn't running).

The tomcat directory contains two directories, tomcat6 for Tomcat 6 and tomcat7 for Tomcat 7. Change to the appropriate directory where there is a `ehour_mysql.xml` and `ehour_postgresql.xml` config file. In a text editor, open the file that matches your database and replace the following:

Windows

 On Windows, use forward slashes in the path. For example, rather than `c:\ehour` type `c:/ehour`

### 4.1. Set the location of the web archive

The first line contains:

```
<Context path="/ehour" reloadable="false" cookies="true" docBase="/opt/ehour/app/ehour-1.x.war">
```

Replace the path `/opt/ehour/app/ehour-1.x.war` with the path to your WAR file. It's in the [eHour Home directory](#)'s app folder.

### 4.2. Set the location of the eHour Home directory

The second line reads:

```
<Parameter name="EHOURLHOME" value="/opt/ehour" override="true" />
```

Replace `/opt/ehour` with the path to the [eHour Home directory](#)

### 4.3. Have Tomcat connect to your database

Replace the following fields:

Original value	Replace with
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%ehour.db.username%	the database username
%ehour.db.password%	the database password
%ehour.db.hostname%	the hostname/IP address of your database server
%ehour.db.name%	the eHour database name

When you're done editing save this file as `ehour.xml` in the `conf/Catalina/localhost` directory in your Tomcat install directory. You need to create this directory if you haven't started Tomcat before.

Don't drop the `ehour.war` in Tomcat's `webapp` directory as you would do with other applications  
Make sure you rename the file to `ehour.xml`

## 5. Start Apache Tomcat

Make sure you have started your database first.

Start Tomcat by running `startup.sh` in the `bin` directory of the Tomcat installation directory. After a couple of seconds Tomcat and eHour will be initialized and you can access the application at <http://localhost:8080/ehour>