

# Change database

By default eHour uses an embedded database to store data. This works well but it's not guaranteed to recover after an unforeseen shutdown such as a crash or power failure. When you use eHour in a production environment it's recommended to use MySQL or PostgreSQL as your database.



## Windows

On Windows you need to [stop](#) the eHour or Tomcat service first before you can edit the configuration file.

## Using MySQL

Open the [configuration file](#) (`conf/ehour.properties`) file and set the value of `ehour.database` to `mysql`:

```
ehour.database=mysql
```

Remove the hashtags (#) and replace the database name and username/password with appropriate values

```
# for mysql uncomment the following lines (and make sure postgresql lines below are commented out)
ehour.database.driver=com.mysql.jdbc.Driver
ehour.database.url=jdbc:mysql://127.0.0.1:3306/ehour?
zeroDateTimeBehavior=convertToNull&useOldAliasMetadataBehavior=true
ehour.database.username=sa
ehour.database.password=sa
```

Make sure the configuration for postgresql is commented out (prefixed with #)

Create the database tables by following the instructions on database setup for [Linux](#) or [Windows](#)

Restart eHour

## Using Postgresql

Open the `conf/ehour.properties` file and set the `ehour.database` to `postgresql`:

```
ehour.database=postgresql
```

Remove the hashmarks (#) and replace the database name and username/password with appropriate values

```
# for postgresql uncomment the following lines (and make sure mysql lines above are commented out)
ehour.database.driver=org.postgresql.Driver
ehour.database.url=jdbc:postgresql://localhost:5432/ehour
ehour.database.username=sa
ehour.database.password=sa
```

Make sure the configuration for mysql is commented out (prefixed with #)

Create the database tables by following the instructions on database setup for [Linux](#), Windows setup instructions are not available.

Restart eHour