

# QA and CI Guide

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## Continuous Integration

Activiti Hudson: <http://178.77.67.242:8080/>

Activiti Bamboo on Codehaus (deprecated): <http://bamboo.ci.codehaus.org/browse/ACT>

All activiti developers have permission to start a new build manually.

## Running the database tests

Goal: run the test suite against a specific database.

Specify properties in command line:

```
mvn -Pcheck clean install -Ddatabase=mysql
-Djdbc.driver=com.mysql.jdbc.Driver
-Djdbc.url=jdbc:mysql://localhost:3309/activ
iti -Djdbc.username=activiti
-Djdbc.password=activiti
```

Alternatively, you can specify the properties in a local file. This information goes into a file called 'mysql.properties'. Please create the following folder structure:

```
/{user_home}/.activiti/jdbc
```

Within this directory create a new file mysql.properties like this:

```
jdbc.driver=com.mysql.jdbc.Driver
jdbc.url=jdbc:mysql://<hostname>:<port>/acti
viti
jdbc.username=qa
jdbc.password=qa
```

## Running the upgrade tests

# Running the server tests

## Running QA tests

Tested database systems so far are:

- H2
- MySQL 5.1

## Setup / Configuration

The following lines will guide you through running the test suite. For this example we will use MySQL 5.1 as database environment. If you would like to run the test suite against a yet unsupported database environment, consult the [\[Developer Guide - Adding support for new database systems\]](#)[\[ACT:Developers Guide\]](#).

- **Checkout activiti project from SVN**  
Before you can run the test suite, you need to [\[checkout activiti\]](http://docs.codehaus.org/display/ACT/Developers+Guide#DevelopersGuide-Buildingadistribution)<http://docs.codehaus.org/display/ACT/Developers+Guide#DevelopersGuide-Buildingadistribution>. The qa tests are located in the projects 'activiti-engine' and in 'activiti-engine-examples', but you do not need to start them from there separately. You will start the tests from the quality assurance project. But before we have to create a new database schema and user.
  - \* **Create a new schema and user**  
First we need to create a new schema and a new user for the database connection. We set the schema name to 'activiti'. The users name and password are 'qa!'. If you need guidance on how to create a new schema and user for MySQL, please consult their [\[documentation\]](http://dev.mysql.com/doc/)<http://dev.mysql.com/doc/>. Now we need to make sure that the test suite gets a database connection.
  - \* **Create a database connection file** [Run the test suite](#)

Now we are ready to run the qa script. Navigate to /activiti/trunk/qa/ci and run the script that is suitable for your operating system like this:

```
run-test-db-standalone mysql
```

If you would like to run the qa script against H2, then you need to execute this command:

```
run-test-db-standalone h2
```

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