



# OCP 1.5 Stub

## Deployment Manual

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## Version Management

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<b>October 5<sup>th</sup> 2012</b>	0.1	Initial version	Mark van den Bergh
<b>January 3<sup>rd</sup> 2013</b>	0.2	Mentioning the Stub is freeware. Some grammar fixes	Mark van den Bergh
<b>May 3<sup>rd</sup> 2013</b>	0.3	Added GlassFish support	Mark van den Bergh

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## 1. Introduction

The goal of this document is to provide an overview of what is needed to get the OCPP 1.5 Stub software running in a (local) development environment.

The OCPP 1.5 Stub is freeware; it is available for use at no cost.

## 2. Assumptions

### 2.1 Servlet Container

#### 2.1.1 Apache Tomcat

The software is designed to run on Apache Tomcat. During development version 7.0.30 has been used, it is advised to use a version equal to or higher than 7.0.30.

To install Apache Tomcat go to <http://tomcat.apache.org/> and select 'Tomcat 7.0' from the 'Download' menu item.

'Binary Distributions' -> 'Core' ->

- tar.gz for Linux or OS X
- 32 or 64-bit zip for Windows

After downloading extract the archive to a directory.

By default there is no user defined that can access the Tomcat Web Application Manager. Open 'tomcat-users.xml' (in the 'conf' directory) and make sure you define a role and user.

Example:

```
<?xml version='1.0' encoding='utf-8'?>
<tomcat-users>
  <role rolename="manager-gui"/>
  <user username="tomcat" password="tomcat" roles="manager-gui"/>
</tomcat-users>
```

Start Apache Tomcat by running (in the 'bin' directory):

- startup.sh for Linux or OS X
- startup.bat for Windows

The deployment chapter for Apache Tomcat assumes Apache Tomcat is installed and running.

#### 2.1.2 GlassFish

The software also runs on GlassFish. GlassFish Open Source Edition 3.1.2.2 has been used to validate this.

GlassFish can be downloaded at <https://glassfish.java.net/>.

### 2.2 Java

Java 1.5 or higher should be available for the servlet container.

### 2.3 Groovy

Groovy (version 2.0.1) is provided with the application so it doesn't need to be present on the client machine.

## 3. Deployment

### 3.1 Apache Tomcat

The stub implementation exists of two 'war' files which can be deployed on Apache Tomcat.

Deploying the software is possible via the Tomcat Web Application Manager (by default reachable at address: <http://localhost:8080/manager/html>). For user/password settings see chapter 2.1.

The Tomcat Web Application Manager has a section where 'war' files can be deployed:

WAR file to deploy	
Select WAR file to upload	<input type="text"/> <input type="button" value="Browse..."/>
<input type="button" value="Deploy"/>	

Click 'Browse' and select the first 'war' file and click 'Deploy'. Repeat this process for the second 'war' file.

After deploying both files, they should appear in the Applications list:

Applications					
Path	Version	Display Name	Running	Sessions	Commands
/	None specified	Welcome to Tomcat	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/CentralSystem	None specified		true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/ChargePoint	None specified		true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/docs	None specified	Tomcat Documentation	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/examples	None specified	Servlet and JSP Examples	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/host-manager	None specified	Tomcat Host Manager Application	true	0	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>
/manager	None specified	Tomcat Manager Application	true	1	<div>Start Stop Reload Undeploy</div> <div>Expire sessions with idle ≥ 30 minutes</div>

By clicking the name of the application you open the main page of the application.

#### Warning

The software allows users to upload and execute scripts; it's not safe to host this software on a public server. There is no authentication implemented and everyone with access to the user interface can upload and execute scripts that may damage the server it's running on.

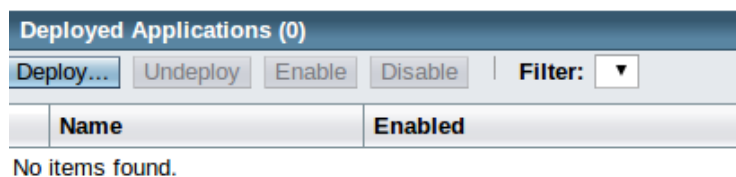
Run this software on a local machine or on a development machine that's not reachable by unauthorized persons.

## 3.2 GlassFish

The stub implementation exists of two ‘war’ files which can be deployed on GlassFish.

Deploying the software is possible via the Applications page in the administration interface (by default reachable at address: <http://localhost:4848/>). By default no user/password is required.

Click the ‘Deploy...’ button:



Select the ‘war’ file you want to deploy and click ‘OK’:

### Deploy Applications or Modules

Specify the location of the application or module to deploy. An application can be in a packaged file or specified as a directory.

OK Cancel

\* Indicates required field

Location: ☒ Packaged File to Be Uploaded to the Server

Choose File CentralSystem.war

Repeat this process for the second ‘war’ file.

After deploying both files, they should appear in the Applications list:

Deployed Applications (2)				
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deploy...	Undeploy	Enable
		Disable	Filter:	
Name	Enabled	Engines	Action	
<input type="checkbox"/> CentralSystem	✓	webservices, web	Launch   Redeploy   Reload	
<input type="checkbox"/> ChargePoint	✓	webservices, web	Launch   Redeploy   Reload	

Clicking “Launch” opens a page which displays the URL the application can be reached at.

### Warning

The software allows users to upload and execute scripts; it’s not safe to host this software on a public server. There is no authentication implemented and everyone with access to the user interface can upload and execute scripts that may damage the server it’s running on.

Run this software on a local machine or on a development machine that’s not reachable by unauthorized persons.