

AoC

Installation Guide

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1. Prerequisites

This guide was written for Ubuntu 6.06 LTS, but should work on other Debian-based distros as well. Refer to www.ubuntu.com for instructions on how to acquire and install Ubuntu.

2. Requirements

Most of these commands must be executed as root. This guide uses the sudo-command, but choose any approach you want.

First, it's wise to upgrade the system, making sure it's up to date:

```
$ sudo apt-get update
$ sudo apt-get dist-upgrade
```

Install required packages:

```
$ sudo apt-get install apache2 mysql-server ant
```

The Java SE Development Kit (JDK) is also needed, but can't be acquired with apt-get. Below is one suggested way of installing it. Consult Google if you run into trouble.

Download the .bin-file from <http://java.sun.com/javase/downloads/index.jsp> (not the rpm.bin-file), and execute:

```
$ sudo apt-get install java-package fakeroot
```

If it complains about not finding package java-package, try this:

Open /etc/apt/sources.list in a text editor (as root), and append “ multiverse” to this line (probably the topmost one):

```
deb http://us.archive.ubuntu.com/ubuntu/ dapper main restricted
```

so that it ends with:

```
main restricted multiverse
```

Update again:

```
$ sudo apt-get update
```

If you successfully installed java-package, you can go on to:

```
$ fakeroot make-jpkg downloaded_file.bin
```

That probably produces some error messages, but should create a .deb-file:

```
$ sudo dpkg -i created_file.deb
$ sudo update-alternatives --config java
```

Select the version just installed.

Create a user named “aoc” and select a suitable password:

```
$ sudo adduser aoc
```

3. Installation

3.1 MySQL

By default, the root-user doesn't have a mysql-password, so the first thing we do is to set one:

```
$ mysqladmin -u root -p password your_root_password
```

When asked for password, press enter.

Connect to mysql as root and create a user called aoc, with the same password as you chose earlier:

```
$ mysql -u root -p  
mysql> GRANT ALL PRIVILEGES ON *.* TO 'aoc'  
-> IDENTIFIED BY 'your_password' WITH GRANT OPTION;
```

Exit mysql:

```
mysql> \q
```

Open /etc/mysql/my.cnf in your favourite text-editor (as root), and change the line:

```
bind-address = 127.0.0.1:
```

to:

```
#bind-address = 127.0.0.1:
```

Restart the mysql-server:

```
sudo /etc/init.d/mysql restart
```

3.2 AoC

Extract the tarball:

```
$ tar -zxvf aoc.tar.gz
```

Enter the newly created directory aoc/aoc3:

```
$ cd aoc/aoc3
```

We need a folder named /usr/local/aocserver/data, which can be accessed through apache:

```
$ sudo mkdir /usr/local/aocserver  
$ sudo cp -r data /usr/local/aocserver  
$ sudo chown -R aoc:aoc /usr/local/aocserver  
$ sudo ln -s /usr/local/aocserver/data/ /var/www
```

We also need a database. Login to MySQL again as user aoc:

```
$ mysql -u aoc -p
```

Create and switch to the database aoc3:

```
mysql> CREATE DATABASE aoc3;  
mysql> use aoc3
```

Now run the script "Tablecode.sql":

```
mysql> source doc/Tablecode.sql
```

You should get some error-messages at the top, but that's nothing to worry about.

Exit mysql:

```
mysql> \q
```

Open src/db/Database.java in your favourite text-editor, and change the following lines to match your values:

```
private static final String SERVER = "localhost";  
private static final String PASSWORD = "your_password";
```

Continue with:

```
$ sudo cp src/utilities/aocserver.sh /etc/init.d  
$ sudo update-rc.d aocserver.sh defaults  
$ sudo ant
```

An AoC client .jar-file should now be created, and the AoC server and required files are located in /usr/local/aocserver. The AoC server is now running, and will be started every time you restart the computer.

3.3 AoC Admin

Exit the aoc3-directory and enter aocadmin:

```
$ cd ../aocAdmin  
$ ant
```

This should produce an AoC admin .jar-file. This file, and the AoC client .jar-file, can now be run from anywhere.