



EdCube

digital portfolios made *simple*.

EdCube for Mac OS X – Installation

EdCube Server

1. Login as an administrator on the computer that is to act as the EdCube server. Then locate the `EdCubeServer.pkg` and `EdCubeServer Startup.pkg` files that came with your EdCube software.
2. Double-click on the `EdCubeServer.pkg` file and it will take you through the installation process. If you are asked for authentication, you will need to provide the username and password of an administrator account for the computer. The installer places all the necessary server files in `/Library/EdCubeServer` on the Server's startup disk.
3. Double-click on the `EdCubeServer Startup.pkg` file and it will take you through its installation process. This installer places the necessary files to automatically start the EdCubeServer when the host computer starts. These files are located in `/Library/StartupItems/EdCubeServer`.
4. Open up the Terminal Application (located in `/Applications/Utilities`), and at the prompt type:

```
cd /Library/StartupItems
```

Hit return, then type:

```
sudo EdCubeServer/EdCubeServer start
```

When you hit return you will be prompted for the "root" password of the Server (if you need help with setting this, refer to Apple's documentation), and after entering it you should see a message "Starting EdCube Server...".

5. Congratulations, the Server is now running. We now need to stop the server and start doing some configuration. To stop the server enter the following in the Terminal:

```
sudo EdCubeServer/EdCubeServer stop
```

And you should see the message "Stopping EdCube Server...", followed by "Stopped EdCube Server".

6. We now need to make a change to the permissions of the configuration directory so that we can customize the EdCubeServer software for the School's network environment. In the Terminal type:

```
cd /Library/EdCubeServer
```

Hit return, then enter the next command:

```
sudo chmod -R 775 conf
```

Again, hit return.

7. In the Finder navigate to `/Library/EdCubeServer/conf`. In this directory is a file called `server.properties`. Open this file using TextEdit (in `/Applications`) or some other text editing application (such as TextWrangler or BBEdit).
8. You should see an entry in this file about 7 lines down that reads:

```
#
# Define the ip range of the LAN subnet:
#
lan.first=127.0.0.1
lan.final=127.0.0.1
```

We need to tell the EdCube Server something about the network it is connected to so that it can secure itself from connections from outside the school. The first IP address should represent the beginning address of the subnet in use in the school, and the second address the ending address of the subnet. For example, if your IP addresses are in the range 192.168.1.1 – 192.168.1.255 you would edit this file to read:

```
#
# Define the ip range of the LAN subnet:
#
lan.first=192.168.1.1
lan.final=192.168.1.255
```

Alternatively, if your IP addresses are in the range 10.77.5.1 – 10.77.6.255 you would replace this entry with:

```
#
# Define the ip range of the LAN subnet:
#
lan.first=10.77.5.1
lan.final=10.77.6.255
```

9. You may also optionally specify the path to where the EdCubeServer should store the student resources that have been inserted into the portfolios. This resources folder can grow to quite a large size depending on the amount and size of the material that had been incorporated. So it may be useful to locate this directory on a separate, dedicated hard drive. Towards the end of the file you will see an entry that reads:

```
#
# Path to the resources directory - leave blank for default, otherwise
# specify full path.
# Note that you must use forward slashes as the file path separator,
# EVEN ON WINDOWS.
# eg. OSX: resource.directory=/Volumes/Data HD/EdCubeServer/resources
# eg. Win: resource.directory=G:/Data/EdCubeServer/resources
#
#
resource.directory=
```

As the instructions indicate, if you leave the entry blank the default location will be used at `/Library/EdCubeServer/resources`. If you specify a path, then that path will be used instead. **NOTE THAT EVEN ON WINDOWS YOU MUST SPECIFY THE PATH USING FORWARD SLASHES.**

(It is possible for an installation to start out using the default resources directory, and later move it to another location. In this event firstly stop the EdCubeServer service using the Windows 2003 server Services tool. Then move the file to its new location and edit the `server.properties` to reflect this. Then start the EdCubeServer again using the Services tool.)

10. Save and close the `server.properties` file.
11. Restart the server, and once the server has rebooted log back in. We can check that the EdCube Server has successfully started automatically by checking its log file located at:

```
/Library/EdCubeServer/log/edcubeserver.log
```

When you open the log file (and as long as there have been no transactions against the server in the interim), the last line should end with:

```
INFO - database started
```

Note that it has been observed that on some Mac computers, particularly those with Intel processors, it can take up to a couple of minutes for the EdCube Server to automatically start after the computer re-boots. If you do not see this message, close the log file and after a brief period open it again..

EdCube Client

1. Login as an administrator on a client computer, then locate the `EdCubeInstaller.dmg` file on your CD. Alternatively you can download the latest EdCube client software from the EdCube website at the following URL:

<http://www.edcube.net/downloads/mac/EdCubeInstaller.dmg>

2. Double-click the `EdCubeInstaller.dmg` file and it will mount the `EdCube Installer` disk image on the desktop. Double-click the disk image to open it, and this will reveal the `EdCube Installer.pkg` file.
3. Double-click the `EdCube Installer.pkg` file and it will take you through the installation process. If you are asked for authentication, you will need to provide the username and password of an administrator account for the computer. The installer places the `EdCube.app` application inside `/Applications` of the startup disk.
4. In the Finder go to `/Applications` and launch the EdCube application. After a moment you will receive an error indicating the EdCube could not connect to the server. This is because the correct server address has not yet been entered.
5. Clear the dialog and select EdCube -> Preferences from the menu items. Then enter either the IP address or hostname of the computer that is hosting the EdCubeServer. For example:

<http://edcube.myschool.vic.edu.au:8080/>

Or:

<http://192.168.1.10:8080/>

Then click save.

6. Select File -> Reload Server from the menu items, and this should connect the client to the EdCube Server.
7. If this is the first time that you have installed the EdCube Client software on the network, then we now need to configure the Administration account and then configure or create any Teacher and Student accounts. Select File -> Mode -> Administrator from the menu items, and authenticate using:

```
Username: admin
Password: admin
```

We are now logged in as an administrator.

8. Expand the "Administrators" node in the browser on the left-hand side of the EdCube window. Click on the "Administrator" account, then select Administrator -> Update Item. A dialog box appears that you can use to update the credentials of this account. Please ensure that you use a reasonably secure username and password for this account, as it provides full administrative access to the EdCubeServer.
9. Similarly you can use the Administrator menu items to add, update or remove items (Administrators, Teachers, Groups, Students and Portfolios) from the EdCube browser. At the very least at this stage you should update the existing default Teacher and Student accounts with reasonably secure usernames and passwords.
10. Once you have completed these administrative duties make sure you logout (either using the Logout button located at the top right of the window, or via the File -> Logout menu item), or Quit the EdCube altogether.