

Setting Up a DerbyNet Server on a Mac

The DerbyNet installer for Macintosh takes care of installing the DerbyNet server software, as well as the MacReplay application and the derby-timer.jar timer interface.

Mac OS X includes security features that intentionally make it difficult to install software that's downloaded from the internet. Launching the DerbyNet installer for Macintosh may require using the special procedure described below.

DerbyNet depends on a web server platform, with a PHP implementation and with access to a database. Mac OS X includes these software elements, but they are deactivated by default. The DerbyNet installer for Macintosh activates these elements for you, but the following limitations apply:

- The web server will have to be restarted whenever the Macintosh restarts.
- The web server will probably have to be reconfigured after each upgrade of Mac OS X.

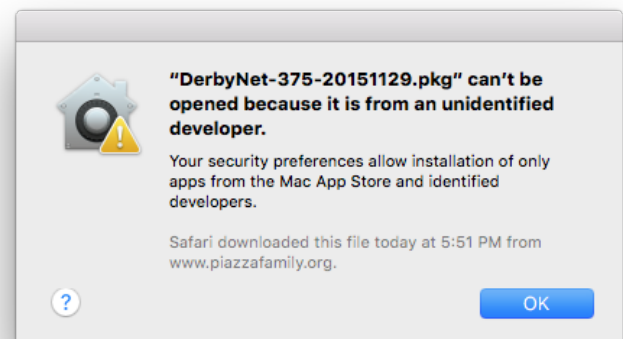
These concerns are addressed below.

Launching the Installer

If launching the DerbyNet installer for Macintosh produces an error message to the effect that the software is from an “unidentified developer,” you need to follow the simple but non-obvious procedure described here:

https://support.apple.com/kb/ph18657?locale=en_US

After installation, the DerbyNet home page will be available at <http://localhost/derbynet>. If you don't already have a web site configured, then just visiting <http://localhost> should redirect your browser to <http://localhost/derbynet>.



Restarting the Apache Web Server

The DerbyNet installer for Macintosh starts the built-in Apache web server, but it will be necessary to restart it after the next reboot. The Apache web server can be restarted by either of the following two strategies.

Recommended: Web Sharing System Preference

Download and install the Web Sharing system preference from <https://clickontyler.com/web-sharing/>. This provides a System Preferences for activating and deactivating the built-in Apache web server.

In addition, the Web Sharing system preference includes a startup item to restart the Apache web server after each reboot.

Alternative: Use Command Line Tools

It's also possible to control the Apache web server just from the command line (the “Terminal” application), without installing any additional software. The command to start the web server is:

```
sudo apachectl start
```

The command to stop the server is:

```
sudo apachectl stop
```

After a Mac OS X Upgrade

The DerbyNet installer for Macintosh includes a postinstall script that performs configuration changes necessary to activate PHP and database drivers for the built-in Apache web server. An upgrade to Mac OS X will usually overwrite these configuration files, losing the effect of the DerbyNet installer's postinstall script.

After an upgrade to Mac OS X, you should either:

- Re-install DerbyNet, or
- Re-execute the update-apache-config.sh script, found in the /Applications/DerbyNet folder.