



# OpenEyes - Installation Guide

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## Target Audience

General Interest	
Healthcare managers	
Ophthalmologists	
Developers	✓

## Amendment Record

Issue	Description	Author	Date
0.9	Draft	G W Aylward	01/03/2012
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# Introduction

This guide gives step by step instructions for the installation of the latest version of OpenEyes. OpenEyes can be installed on any machine set up as a web server. Detailed instructions on setting up a server on computers running UNIX, MacOS, or Windows can be found in separate documents.<sup>1-3</sup> An active internet connection is required. The following instructions apply to installation on a Mac, but will be very similar to those required for other operating systems.

## Preparation

### 1. Create a directory

Decide on a suitable directory served by the web server in which to create your installation. For the purposes of this example, it is the ~/Sites directory. From within the directory, create a folder for the OpenEyes installation, and change directory to it;

```
▶ cd ~/Sites
▶ mkdir openeyesdev
▶ cd openeyesdev
```

### 2. Download and Install Yii

While in the same directory, create a folder called 'yii';

```
▶ mkdir yii
```

The latest version of the Yii framework can be downloaded from [here](#). If you click the download link, you will most likely get a .tar file which should then be uncompressed. You will then have a folder called something like 'yii-1.1.10.r3566', depending on the version number. Copy the folder called 'framework' into the yii folder that you have just created;

```
▶ cp -Rfp ~/Downloads/yii-1.1.10.r3566/framework yii/
```

### 3. Create the database

Using MySQL client or equivalent, create a database called 'openeyes', with appropriate permissions and password. The credentials will be put into the common.php configuration file in a subsequent step.



## Adjusting permissions

On a UNIX based server, you will need to ensure that the web server has full access to all the files and folders in the openeyesdev directory, There may be a web server group (in this example it is \_www), so you should assign group permissions to the whole tree by moving up the directory and using the chgrp command;

```
▶ cd ..  
▶ sudo chgrp -R _www openeyesdev
```

You should also ensure that the tree is group writeable using the following command;

```
▶ sudo chmod -R 775 openeyesdev
```

Return to the openeyesdev directory for the next step;

```
▶ cd openeyesdev
```

## Downloading OpenEyes

There are two ways of downloading the software. If you have a github account, and a local ssh key which is associated with it, you can clone the repository. The advantage of this approach is that it is then easy to install updates using git pull. The alternative is to download the software using HTTP.

### Installation using Git

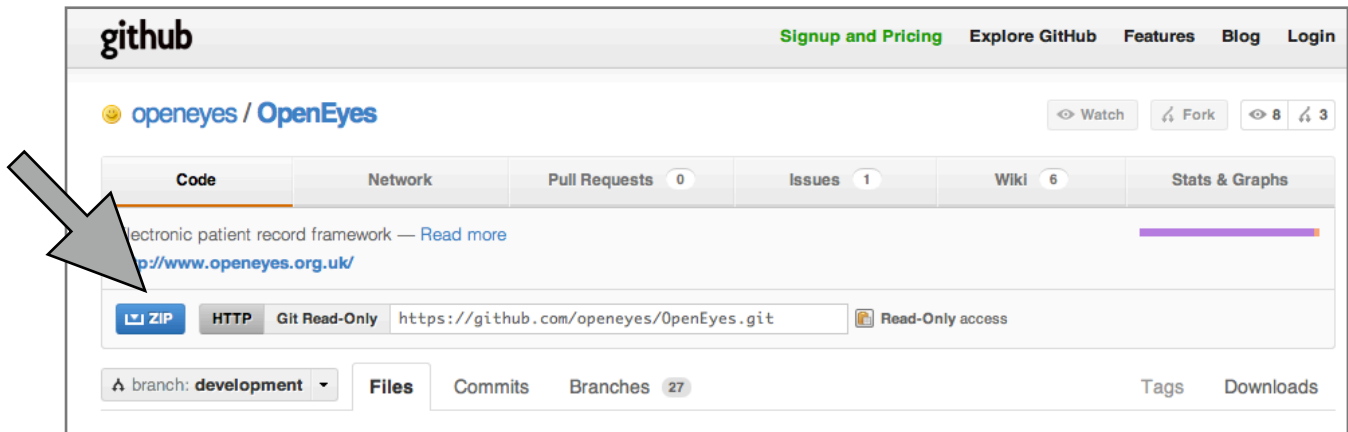
Ensure you have Git installed, have created a GitHub account, and have uploaded an ssh key. Detailed instructions on how to do this can be found [here](#). Run the following command which will clone the current version of the software into the present working directory

```
▶ git clone git@github.com:openeyes/OpenEyes.git
```

Once the download is complete, you will have a new subdirectory called OpenEyes.

### Installation using HTTP

Point your browser to the OpenEyes page on GitHub [here](#). Click on the 'zip' button to download the repository.



Once downloading is complete, unzip the file, and copy the contents into the openeyesdev directory;

```
▶ cp -Rfp ~/Downloads/openeyes-OpenEyes-d7b2a88 OpenEyes
```

NB. You will need to edit the above line to correspond with the name of the unzipped folder.

## Configure OpenEyes

OpenEyes has a local configuration file which needs to be generated. Change directory to the local configuration folder, and read the README file;

```
▶ cd OpenEyes/protected/config/local
▶ more README
```

Follow the instructions, which (at the time of writing of this manual) involve creating a copy of the template file and editing it with (as a minimum) your database configuration;

```
▶ cp common.sample.php common.php
▶ edit common.php
```

Create and populate the database using the Yii migration system as follows;

```
▶ cd ../..
▶ ./yiic migrate
```

## Troubleshooting

1. If you have problems with inserts during migration, ensure mysql is not in strict mode. In the config file of your mysql installation, remove STRICT\_TRANS\_TABLES and/or STRICT\_ALL\_TABLES from the sql-mode option.



## Testing

If everything has gone according to plan, you should now be able to test the installation by pointing your browser to a link similar to this;

<http://localhost/openeyesdev/OpenEyes/>

This should show a login page as in the following screen shot. Login in with a username of 'admin' and a password of 'admin'.

OpenEyes

Please login

Username:

Password:

Site:

Login

© Copyright OpenEyes Foundation 2011 | served, with love, by Bill-MacBook-Pro.local | Need Help? | email: [helpdesk@example.com](mailto:helpdesk@example.com) | phone: 12345678 | [Online Help Documentation](#) | OpenEyes

## Updating

Assuming you have installed OpenEyes using Git, the following commands will download the latest version of the software;

```
▶ cd ~/Sites/openeyesdev/OpenEyes
▶ git pull
```

## References

1. OpenEyes Ubuntu Server Setup
2. OpenEyes Mac Development Setup
3. OpenEyes Windows Server Setup