Mamp pro

1. What is MAMP PRO?

MAMP PRO is a configuration application that helps you set up and run the Apache web server and the MySQL database server. It also takes care of the configuration of different versions of PHP. It is the big brother of the free MAMP application. Both applications need the MAMP folder to run.

**Note:** MAMP PRO stores its databases in a different location than the MAMP application.

Translate:

1.什么是MAMP PRO？

MAMP PRO是一个配置的应用程序，可以帮助您设置和运行Apache Web服务器和MySQL数据库服务器。它也需要不同版本的PHP配置的照顾。它是免费的应用程序MAMP的大哥哥。这两个应用程序需要MAMP文件夹中运行。

**注意：**MAMP PRO存储它的数据库在不同的位置比MAMP应用。

## 2. Installation

### 2.1 Installation requirements

To use MAMP PRO, your system must meet the following requirements:

* A working MAMP installation (MAMP can be downloaded directly with the MAMP PRO installation package).
* Apple OS X, version 10.6.6 or later.
* A Mac with a 64-Bit-capable CPU.
* A user account that is part of the Admin Group. Go to Preferences > Users & Groups to confirm this.

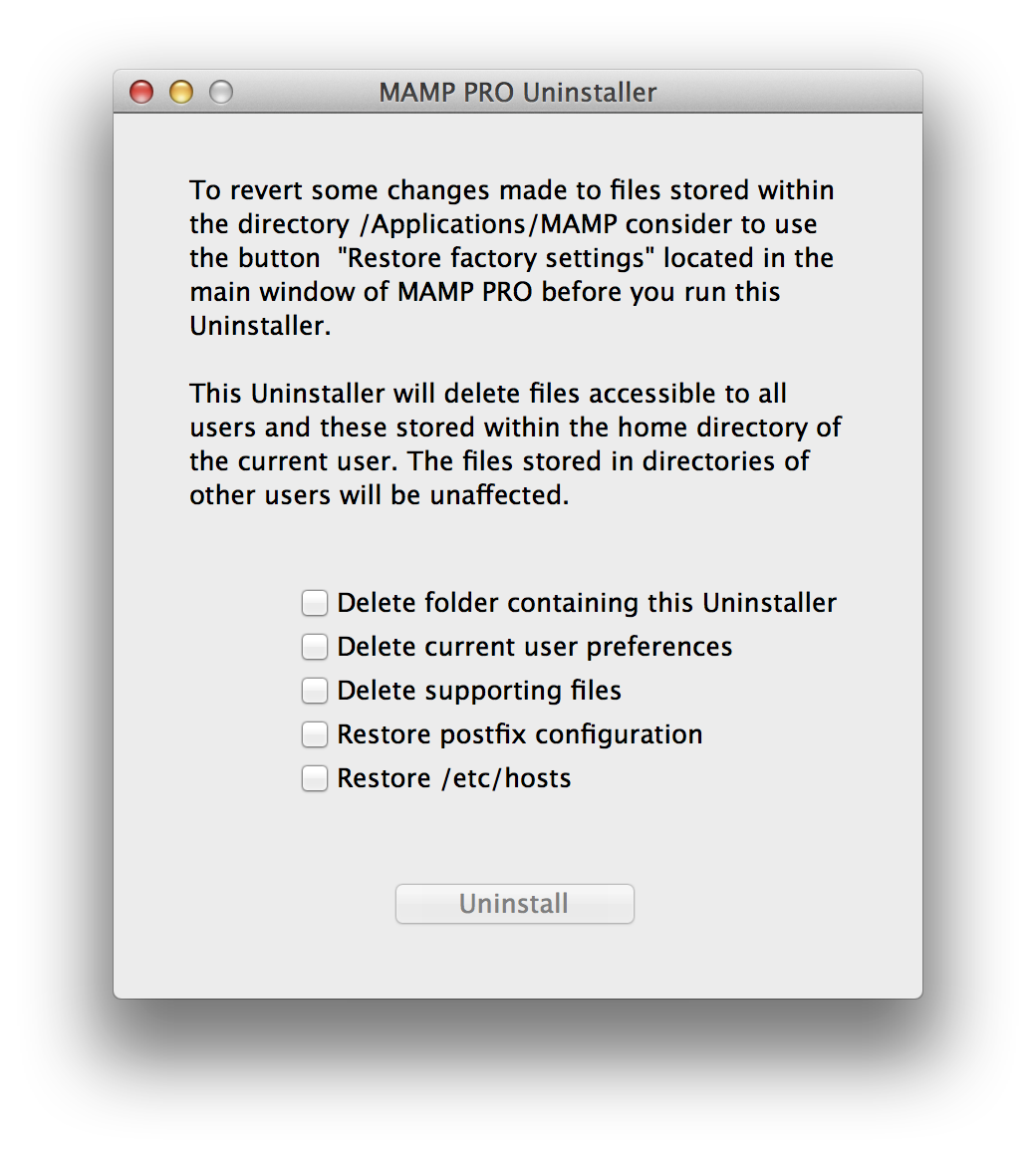
### 2.2 Installing and upgrading MAMP PRO

* Download MAMP PRO from [https://www.mamp.info](https://www.mamp.info/).
* Double click on the MAMP\_MAMP\_PRO\_3.0.pkg file in your Downloads folder.
* The System Installer will guide you through the installation process.
* If the installer detects an existing MAMP folder it will rename the current MAMP folder to MAMP\_current\_date.
* An existing "htdocs" folder will be moved to your new /Applications/MAMP folder.
* Confirm that all data has been transferred correctly before starting MAMP PRO.
* Your /Applications/MAMP\_current\_date folder can now be deleted. You may however keep it, so you can fall back to your original setup.

**Note:** You need administrator permissions to install MAMP PRO!

### 2.3 Uninstall

Use the MAMP PRO Uninstaller located in /Applications/MAMP PRO to remove MAMP PRO.



Drag the /Applications/MAMP folder to the Trash to complete uninstallation.

Translate:

2.安装

2.1安装要求

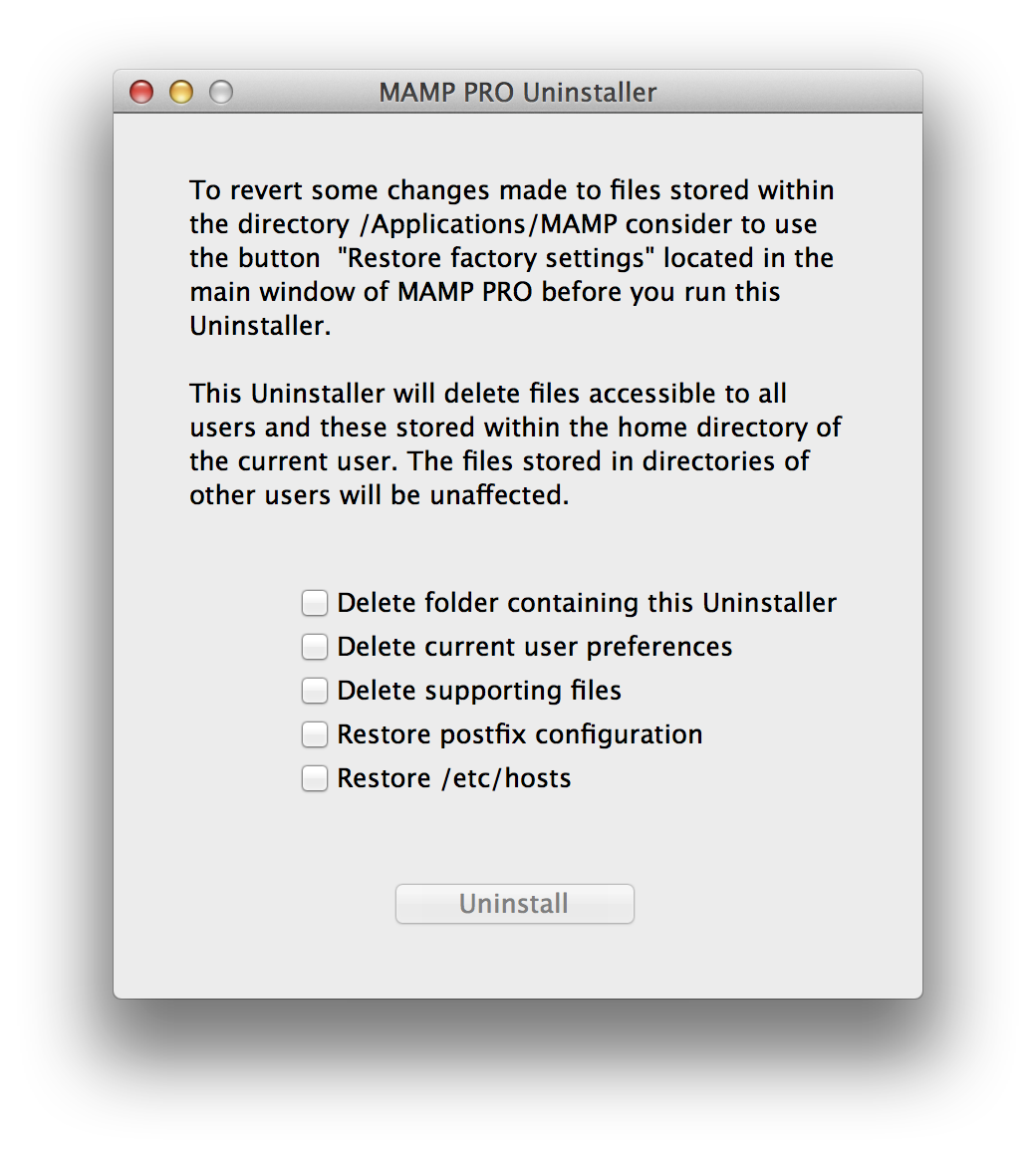
* 要使用MAMP PRO，您的系统必须满足以下要求：
* 一个工作MAMP安装（MAMP可以直接与MAMP PRO安装包下载）。
* 苹果OS X，10.6.6版本或更高版本。
* Mac计算机配64位功能的CPU。
* 这是管理员组的成员用户帐户。转至首选项>用户和组证实了这一点。

2.2安装和升级MAMP PRO

* 从https://www.mamp.​​info下载MAMP PRO。
* 双击你下载文件夹中的文件MAMP\_MAMP\_PRO\_3.0.pkg。
* 该系统安装程序将引导您完成安装过程。
* 如果安装程序检测到现有MAMP文件夹将重命名当前MAMP文件夹MAMP\_current\_date。
* 现有的“htdocs目录”的文件夹将被移动到新的/应用程序/ MAMP文件夹。
* 确认所有的数据已开始MAMP PRO之前正确传输。
* 你/应用程序/文件夹MAMP\_current\_date现在可以删除。不过，你可以留着吧，这样你就可以回落到原始设置。

**注意：**您需要管理员权限才能安装MAMP PRO！

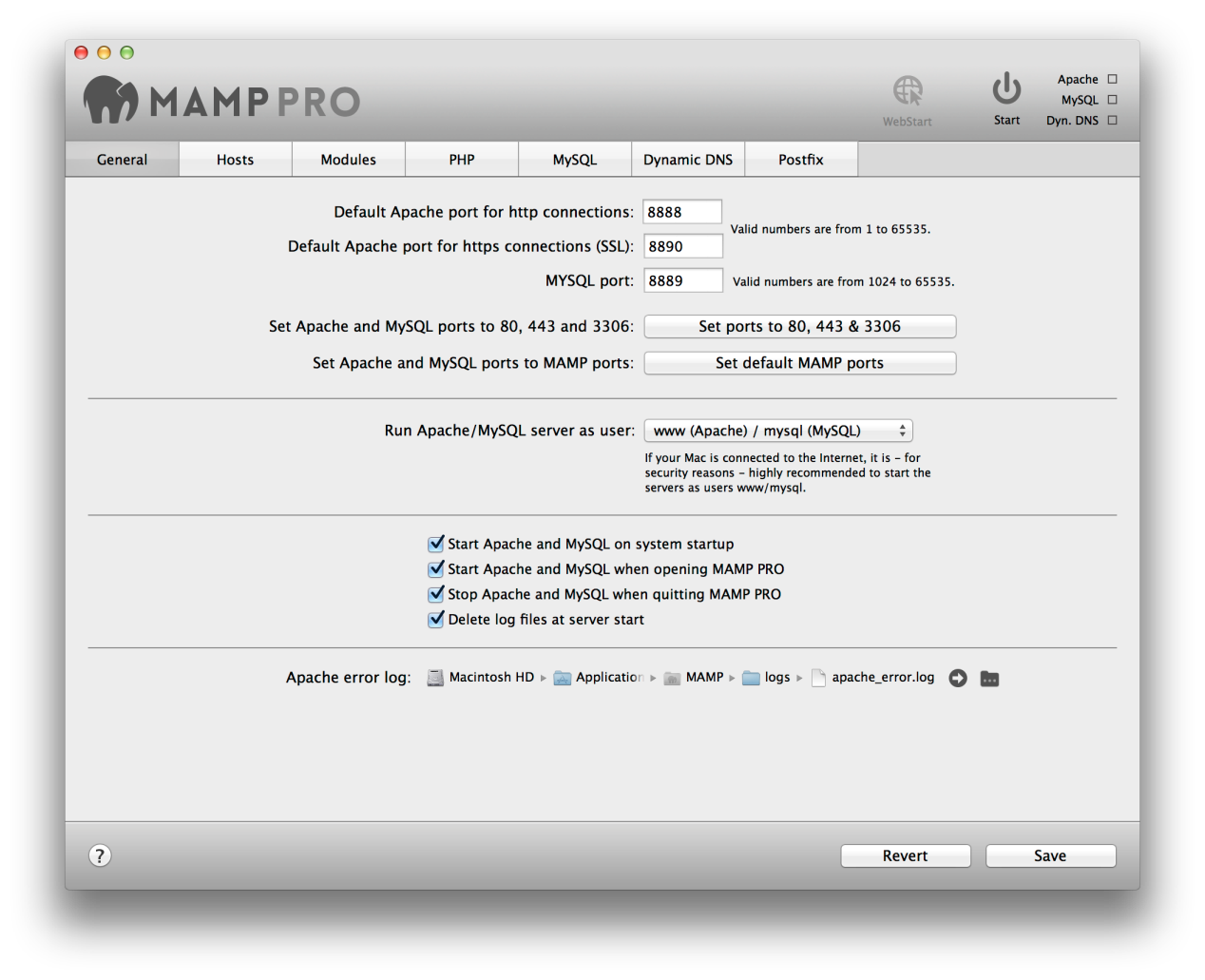
2.3卸载



使用位于/ Applications/ MAMP PRO的MAMP PRO卸载程序来删除MAMP PRO。

为/ Applications/ MAMP文件夹拖到废纸篓完成卸载。

3. First Steps

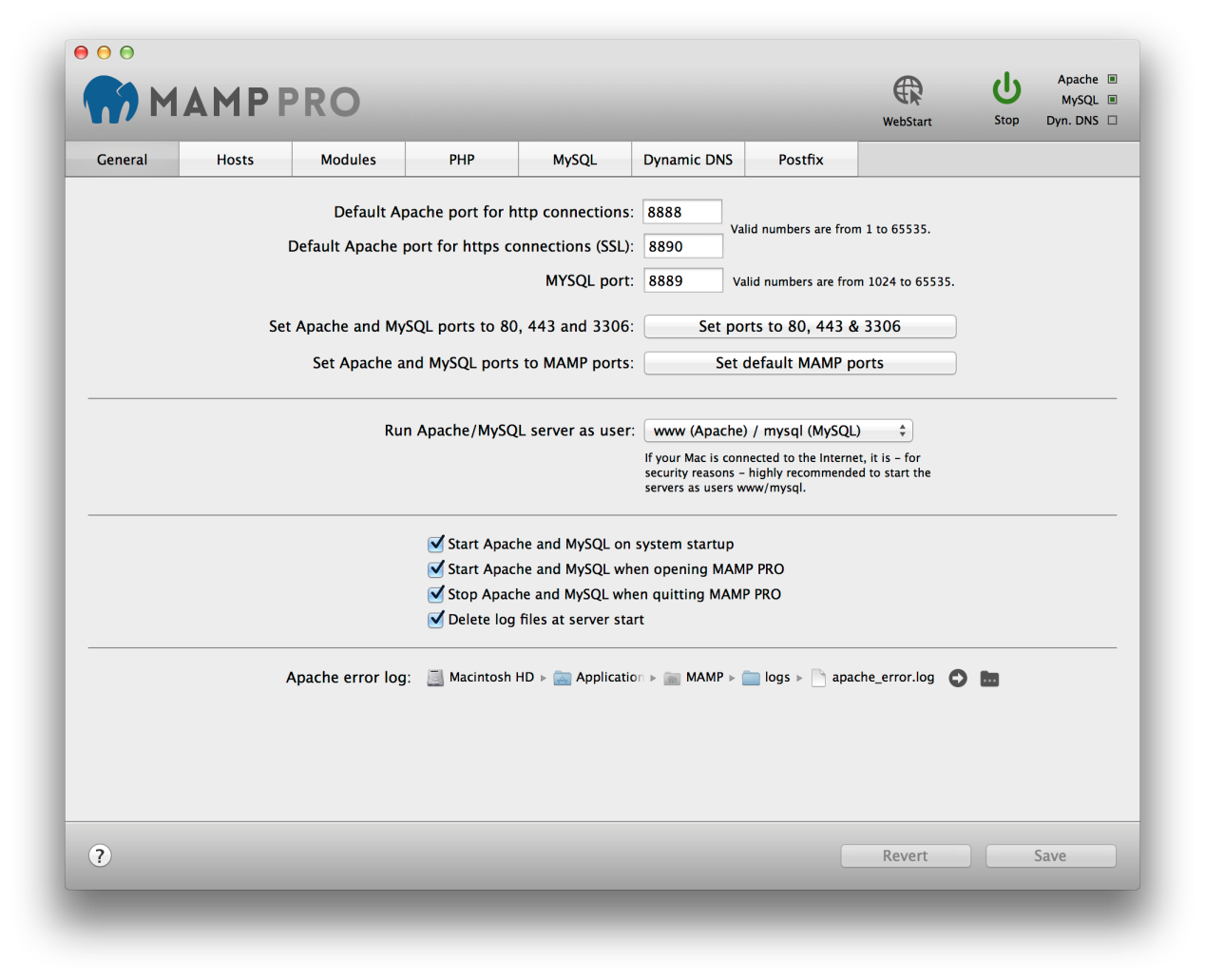


When the MAMP PRO application is launched for the first time its helper tools will be installed. You will be prompted to enter your admin password.

Click on the Start button in the title bar to launch Apache and MySQL. In the status display, the launch status of the server is displayed. The web server uses port 8888 by default. This port must be specified when calling the local web page in the browser, e.g.: [http://localhost:8888](http://localhost:8888/)!

Your default host for MAMP PRO is localhost. The files for localhost are initially located in the/Applications/MAMP/htdocs folder. See the Hosts section for more information on what a host is and how to create additional hosts.

### 3.1 Main GUI Elements



|  |
| --- |
| WebStart Open the MAMP PRO start page of your local web server. Additional information about the MAMP PRO start page is in the ‘Hosts’ section. |
| Start/Stop Starts or stops the Apache and MySQL services of the MAMP PRO server. |
| Status The status display in the upper right corner shows the started services (Apache, MySQL and Dyn. DNS). |
| Revert Discards all changes, which have not already been confirmed with ‘Save’. |
| Save Save your changed settings. |

### 3.2 Meaning of Icons

https://documentation.mamp.info/img/icons/docs2x.png?id=66 Change a file location, including the location of the document root, or a log file.

https://documentation.mamp.info/img/icons/xipio-mail2x.png?id=84 Prepare an e-mail with the Xip.io URL of a host.

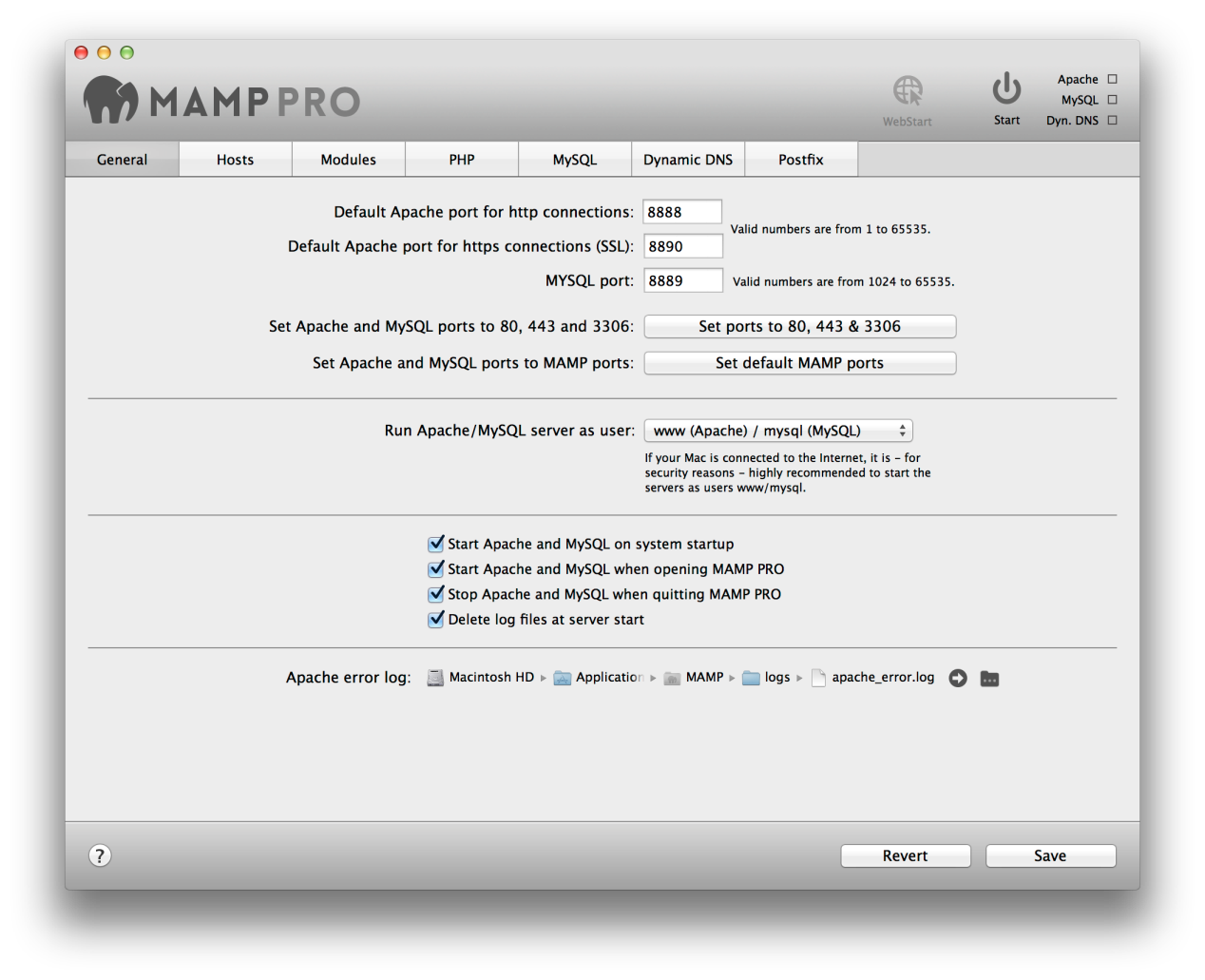
https://documentation.mamp.info/img/icons/Rechte2x.png?id=83 Modify the access rights of a document root folder.

https://documentation.mamp.info/img/icons/BlackArrow.png?id=87 Open a disk location in the Finder, or a host in the web browser.

https://documentation.mamp.info/img/icons/info.png?id=86 Provide more information, including phpInfo().

https://documentation.mamp.info/img/icons/RedArrow.png?id=85 Indicates that information is missing.

Translate:



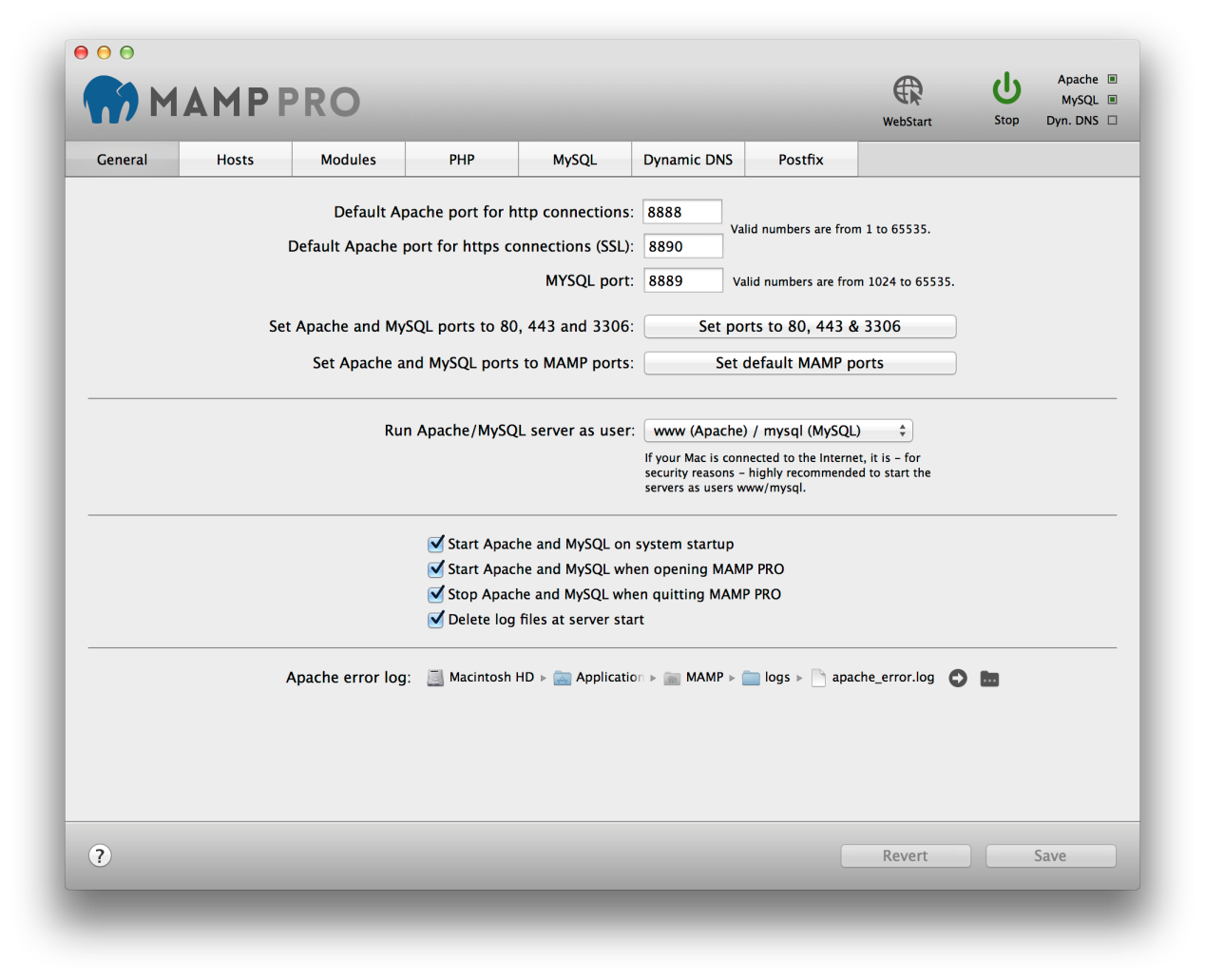
3.第一步

当MAMP PRO应用程序启动首次的辅助工具将被安装。系统将提示您输入管理员密码。

在标题栏中点击开始按钮，启动Apache和MySQL。在状态显示，则显示服务器的启动状态。 Web服务器的默认端口8888。在浏览器中调用本地的网页时，必须指定此端口，例如：HTTP：//本地主机：8888！

对于MAMP PRO的默认主机是localhost。 localhost的文件最初位于/应用程序/ MAMP/ htdocs文件夹。见主机部分的主机是什么的详细信息，以及如何创建其他主机。

3.1主要GUI元素



**在webstart**

打开你的本地Web服务器的MAMP PRO起始页。关于MAMP PRO开始页的更多信息，在“主机”部分。

**启动/停止**

启动或停止MAMP PRO服务器的Apache和MySQL服务。

**状态**

在右上角的状态显示已启动的服务（Apache，MySQL和和的Dyn。DNS）。

**还原**

放弃所有的变化，这尚未得到证实“保存”。

**保存**

保存更改的设置。

3.2含义的图标

https://documentation.mamp.info/img/icons/docs2x.png?id=66  更改文件位置，包括文档根目录的位置，或日志文件。

https://documentation.mamp.info/img/icons/xipio-mail2x.png?id=84  准备一个电子邮件与主机的Xip.io URL。

https://documentation.mamp.info/img/icons/Rechte2x.png?id=83  修改文档根目录文件夹的访问权限。.

https://documentation.mamp.info/img/icons/BlackArrow.png?id=87  打开Finder中的磁盘位置，或在Web浏览器的主机。

https://documentation.mamp.info/img/icons/info.png?id=86  提供更多的信息，包括phpinfo（）函数。

https://documentation.mamp.info/img/icons/RedArrow.png?id=85  指示信息被丢失。

4. Host and Server Settings

|  |
| --- |
| Ports Server programs, when addressed via the network, need to be assigned to a certain network port. This way, multiple server programs may run on one server machine. Every service has a default port: The Apache web server typically uses port 80, the MySQL database server utilises port 3306.  These ports are configurable. The default configuration for MAMP PRO uses ports 8888, 8889 and 8890. That way, the MAMP servers can run alongside other servers installed on your Mac. Should ports 8888, 8889 or 8890be in use by a different application, please change the values accordingly.  The button Set ports to 80, 443 & 3306 will set the ports to the value commonly used on the internet. The buttonSet default MAMP ports will reset the ports for Apache and MySQL to 8888, 8889 and 8890. |
| Start Apache / MySQL as user Production servers typically use www/msql to run Apache and MySQL. These users may not have the right to access your files, therefore it’s generally a good idea to run them under your own username.  **Note:** You should only start the servers with your own user name when the machine is adequately protected against malicious attacks from the internet. Malicious scripts on your server may enable unlimited access to your personal data. |
| Start Apache and MySQL at system start Apache and MySQL are started during startup of the OS, this means that the services are available before a user has logged into the system. |
| Start Apache and MySQL at startup of MAMP PRO The services will start automatically at startup of MAMP PRO. |
| Stop Apache and MySQL at shutdown of MAMP PRO The services will be stopped automatically when MAMP PRO shuts down. |
| Delete log files at server startup The log files will be emptied before startup of the services. That way only current entries will be in the log files. |
| Apache Error Log If any errors occur at startup or during execution of the Apache server, the messages will be saved in a log file. |

### 4.2 Hosts

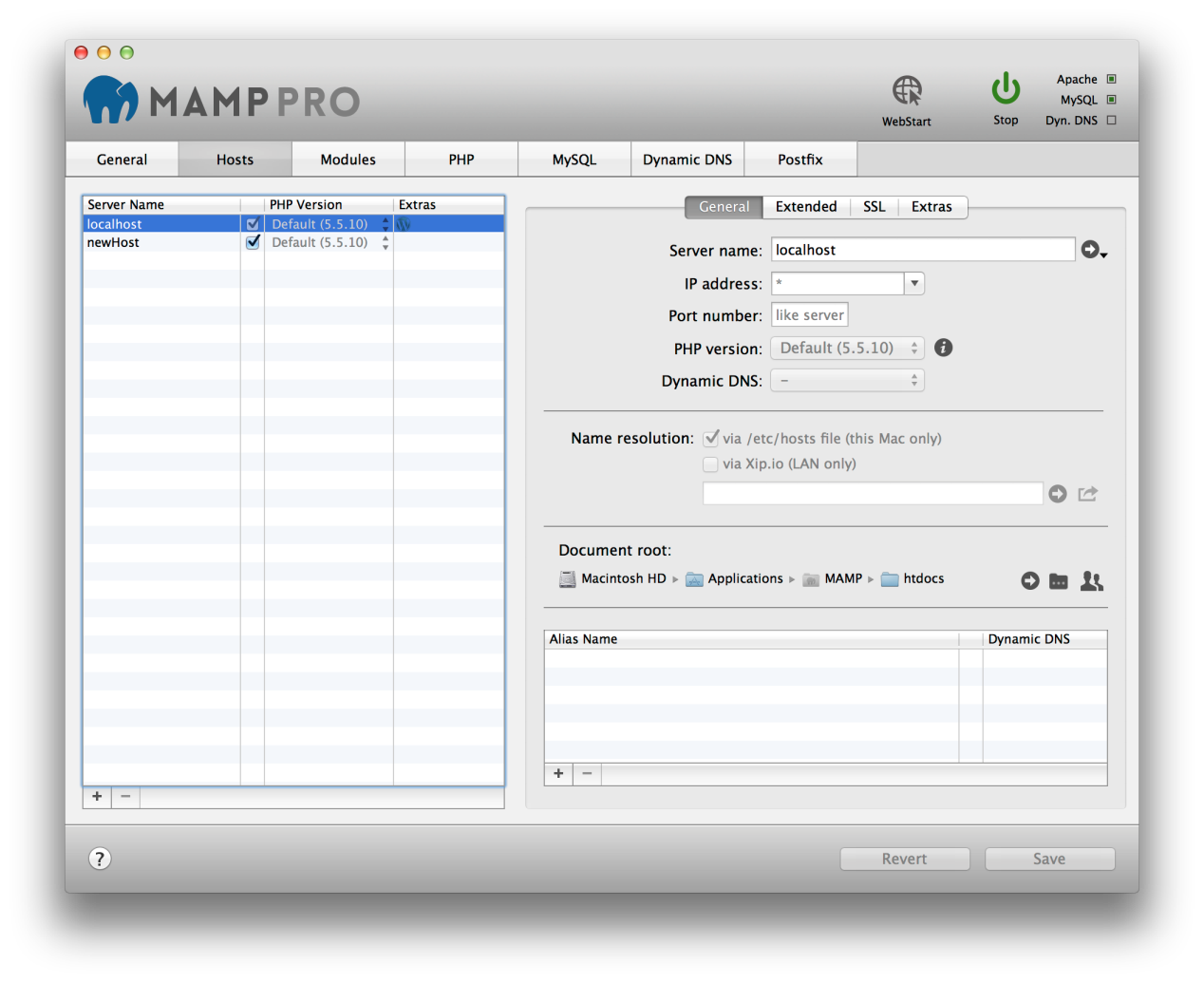
#### 4.2.1 General Settings (Host)

MAMP PRO uses virtual hosts to allow Apache to serve different websites. The virtual host [localhost] is created by default and cannot be deleted. You can add an unlimited number of hosts allowing you to create one host per project. Every host can have it’s own directory to store html, php files, and images. This directory is called Document Root.

The name of a host [server name] must be unique, often it’s practical to use a reverse domain naming scheme to easily identify them (e.g. use de.appsolute.mamp instead of mamp.appsolute.de). The unreversed name may conflict with an outside domain name.

To create a new host press the ‘Plus’ button at the bottom left of the screen. Replace the default host name. The second required field to complete the setup of a new host is a location for its files [document root].

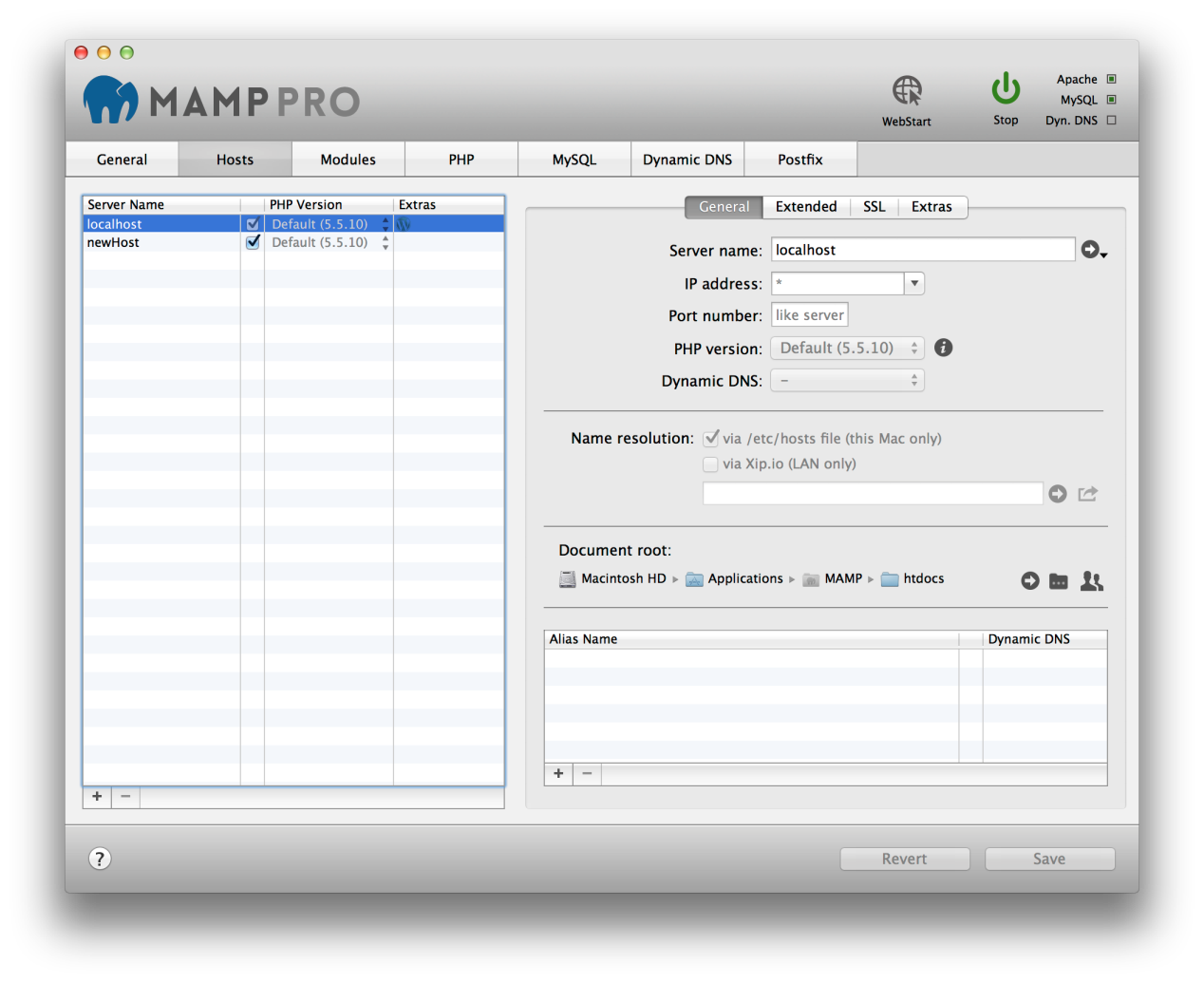
Click on the folder icon to choose a document root. Use the Right Arrow button to open the folder in the Finder.



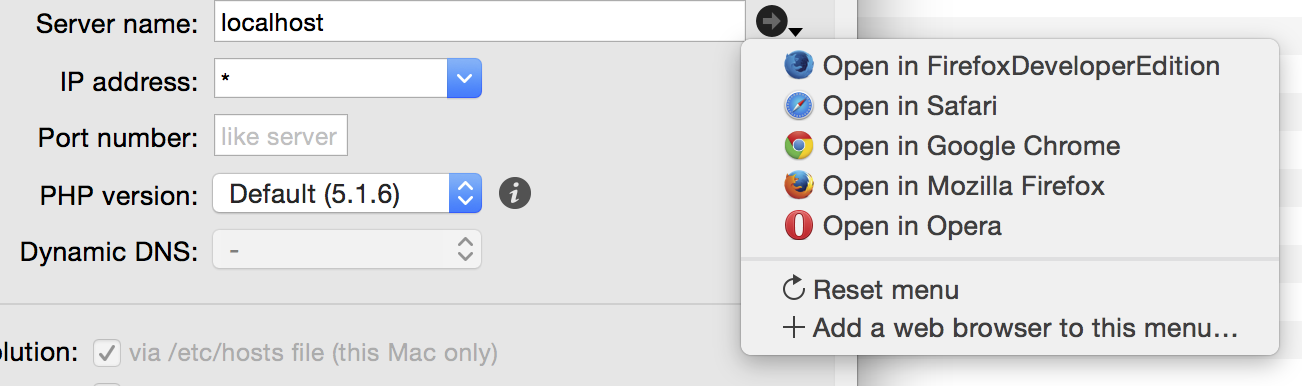
The document root is also known as the web root folder. MAMP PRO will automatically add an index.php file and a MAMP image to this location when Apache is restarted and the folder is empty.

**Server name**

The Server Name and Port number in combination must be unique within MAMP PRO. The host name may only contain letters and/or numbers, as well as dashes ("-"); but it may not begin or end with a "-" character. Names are not case-sensitive (upper and lower-case letters are not distinguished.)



If the servers are running you can use the Right Arrow button to open a host in your web browser.

  
**IP Address**

If this field is left empty or contains an ‘\*’ Apache will use one of the computer’s IP addresses to access this host. If you want to choose which of the IP addresses should be associated with a host, then select it from the pop up menu.

**Port Number**

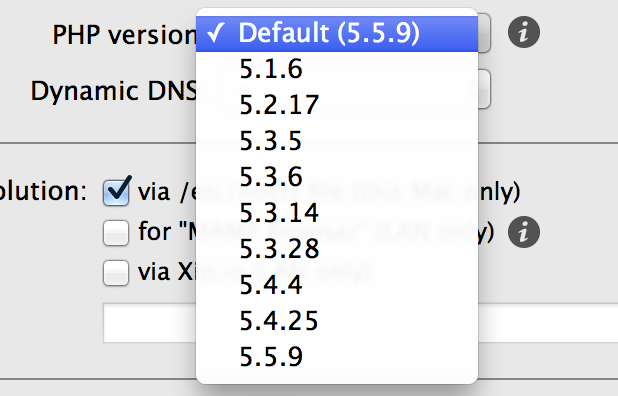
Determine the port with which the virtual host is accessible. Valid values are from 1 to 65535. In most cases the preset value does not need to be changed.

**PHP version**

Determine which version of PHP a host will use. This can only be set when Individual PHP version for every host (CGI)is set in the PHP section of MAMP PRO.

If you select the Standard PHP version MAMP PRO will automatically adapt this setting if you choose a new standard version in the PHP tab. Use a fixed setting to tell MAMP PRO not to alter the PHP version.

Sounds complicated? Let’s take a look at an example: The default version is set to 5.5.9. You have oneHost set to PHP version “Default (5.5.9)”, anotherHost set to “5.5.9” and yetAnotherHost set to “5.3.28”. If you set the PHP version in the PHP section to 5.4.25, MAMP PRO will adapt the PHP version of oneHost to this version (it is set to always use the standard version). The other 2 hosts will not be changed.



The https://documentation.mamp.info/img/icons/docs2x.png?id=66 button will open up a webpage with information about the PHP version used, including all its extensions.

**Dynamic DNS**

Determines, if this virtual host is accessible with the Dynamic DNS service from the internet.

**Name resolution**

This will determine how your system will map host names to ip addresses.

**via/etc host file (this Mac only)**

The basic mapping mechanism which uses the the file /etc/hosts.

**via Xip.io (LAN only)**

Allow other computers on your local network to access your web site. Using the Share button you can send the Xip.io address to other users.

**Note:** The Xip.io addresses will only work in your local network. They are temporary and may become invalid if you restart your Mac. Also make sure that your Internet router is not blocking Xip.io calls by using a DNS Rebind protection. If the router does this you can either deactivate this function, add Xip.io as an exception or not use the router as DNS server in your Macs network setting

**Document root**

The location of the documents (HTML/PHP files etc.) of a virtual host is called a document root.

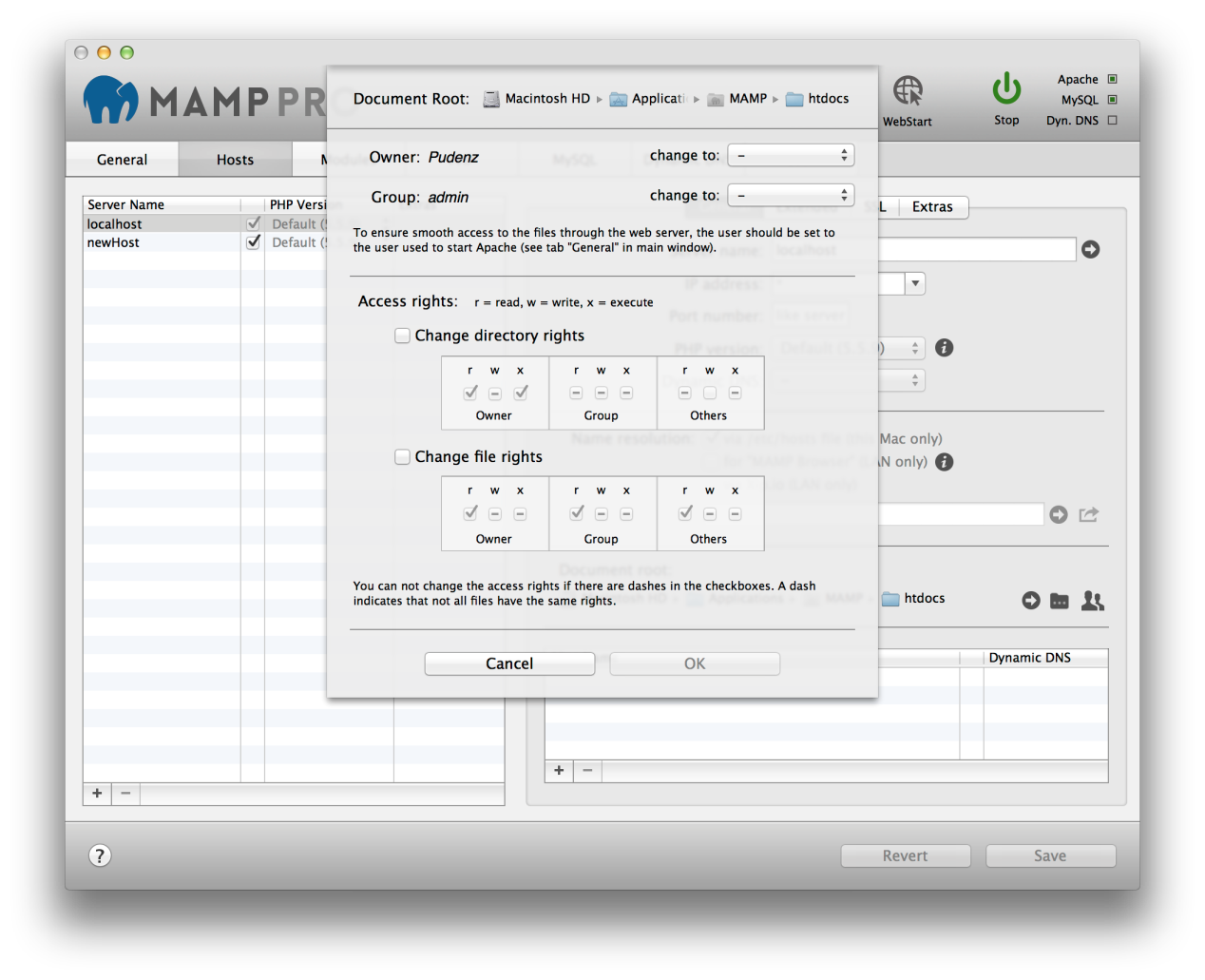
**Alias Name**

Aliases are additional names for your virtual host. The same constraints apply to these additional names as to the host itself. Add aliases with the plus-button.

**Access Rights for Document Root Directory**

For Apache to be able to access the files inside the document root folder and serve them to a web browser it needs adequate rights. If you use the user www to start Apache, then this user must have the right to access the files inside the document root folder. Typically this is not the case. You can either adapt the access rights or use the current Mac user to start Apache.

During the development phase of a site it is easier to use the current Mac user to start Apache. The user www is generally only used on production servers.



If Apache is reporting “access denied” in its error log or parts of your web pages are missing this might be due to access rights problems.

The rights dialog of MAMP PRO looks complicated at first sight but is actually very powerful. Not only does it show you the access rights of the document root folder but also all the rights of all the subdirectories and files inside it. A “-“ indicates that not all objects have the same rights.

**Owner**

The user who owns the directory and all the subdirectories and files in it.

**Group**

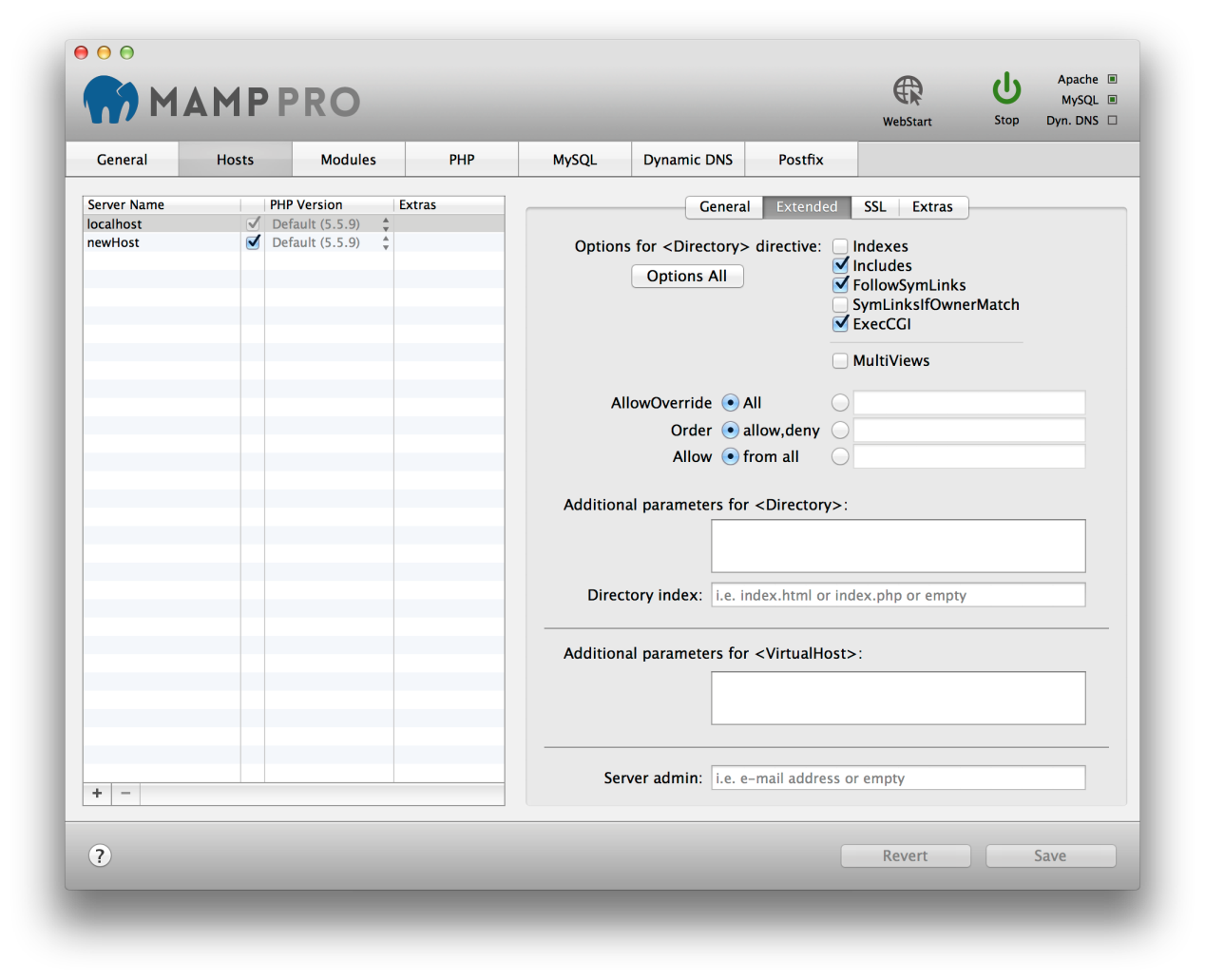
The group who has access to the directory and all the subdirectories and files in it.

**Access Rights**

You can change directory and files access rights separately.

#### 4.2.2 Extended (Host)

Extended options can be set for the selected virtual host in the table. These options are security relevant!



**Options for <Directory> directive**

**Indexes**

Activates or deactivates "directory browsing". If there is no index.html, index.php, etc in the document root, the content of the folder is displayed when this option is enabled. Without this option, nothing will be displayed or an error message will appear.

**Includes**

Allows the use of Server Side Includes (SSI).

**FollowSymLinks**

Allows the use of symbolic links as reference to documents in other directories. This is an elegant feature if you would like to reference to objects, that are outside of the directory tree (e.g. protocol files of the web server), but know you want to avoid the hiding of objects through the URL tree.

**SymLinksIfOwnerMatch**

Restricted version of "FollowSymLinks". Allows reference to objects via symbolic links only if the owner matches.

**Exec-CGI**

Permit CGI execution.

**Multiviews**

Allows the use or disabling of dynamic documents depending on the language.

**Directory Index**

Determine which file Apache should serve if no filename is given in a address. By default it is either index.html or index.php.

**Server admin**

The e-mail address Apache will send error messages to.

**Additional parameters for <Directory>**

**Additional Parameters for <VirtualHost>**

These directives go directly to the httpd.conf file.

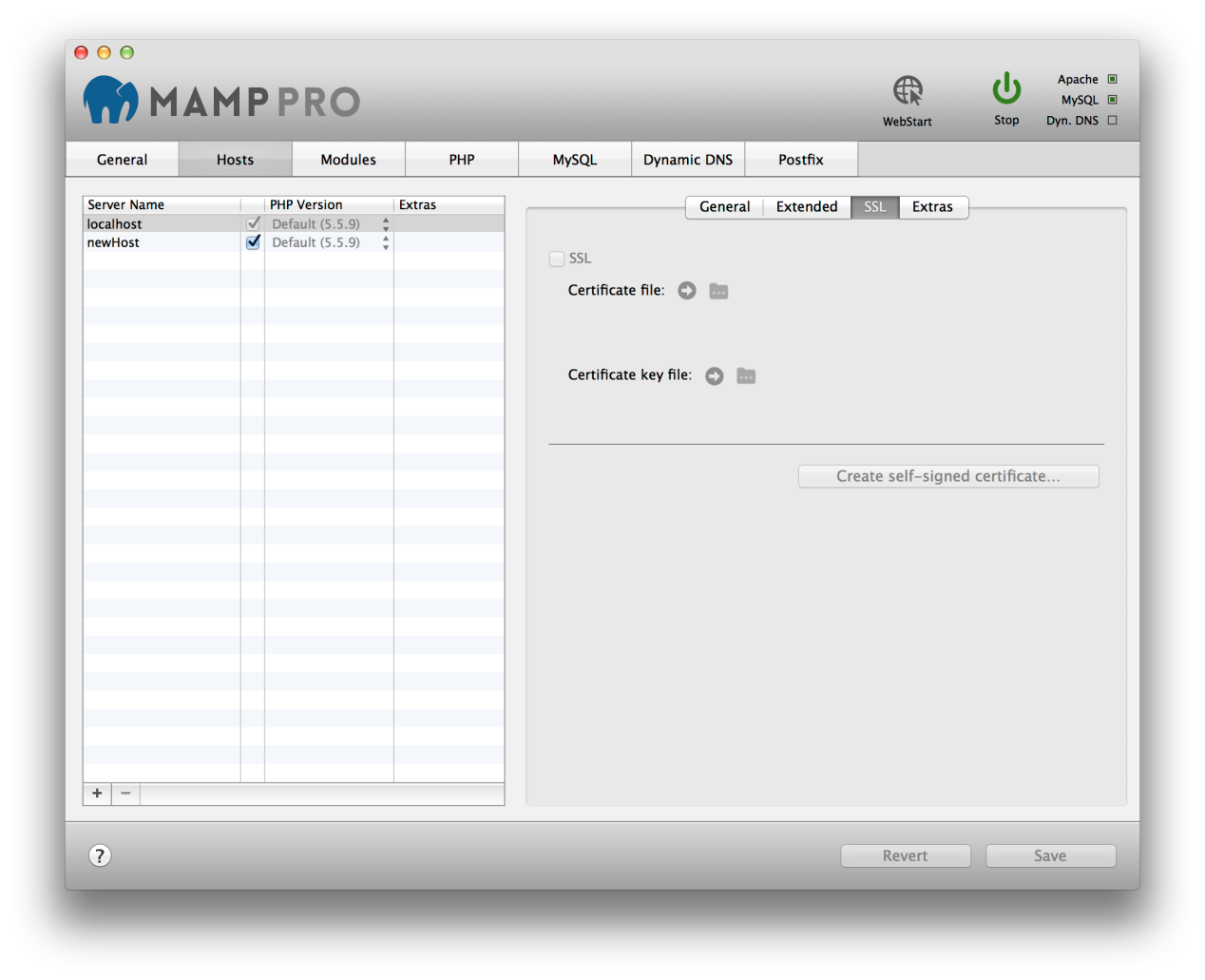
**Note:** Watch out for typos, they will otherwise prevent Apache from starting up.

#### 4.2.3 SSL (Host)

To encrypt traffic from Apache to a web browser you can use SSL.

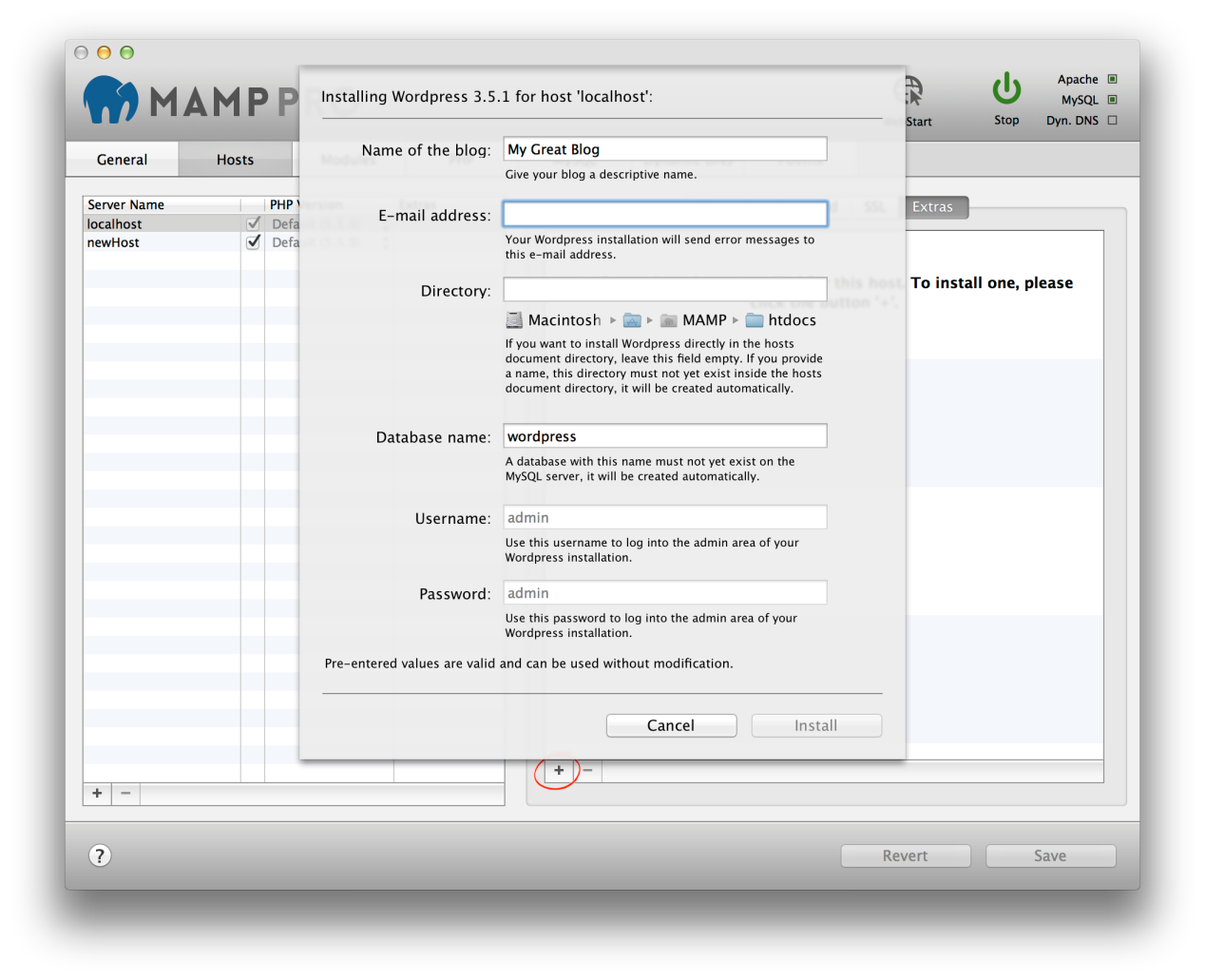
Use “Create self-signed certificate” if you want to test SSL functionality.

If you want to secure a productive server you should get the Certificate file and the Certificate key file from a Certified Authority (CA).



#### 4.2.4 Extras (Host)

MAMP PRO allows you to easily add popular packages to your hosts which we call Extras. Extras will always be loaded from the appsolute servers if you have an Internet connection. Over time more Extras will become available.



**Note:** The availability of an Extra will be affected by your hosts PHP version, Internet connection, cached Extras and available disk space.To add an Extra, press the plus button on the lower left side of the ‘Extras’ panel. The plus button has a red circle around it if you have no Extras installed.

##### 4.2.4.1 Wordpress

Name of the blog:

Name your blog.

Email address:

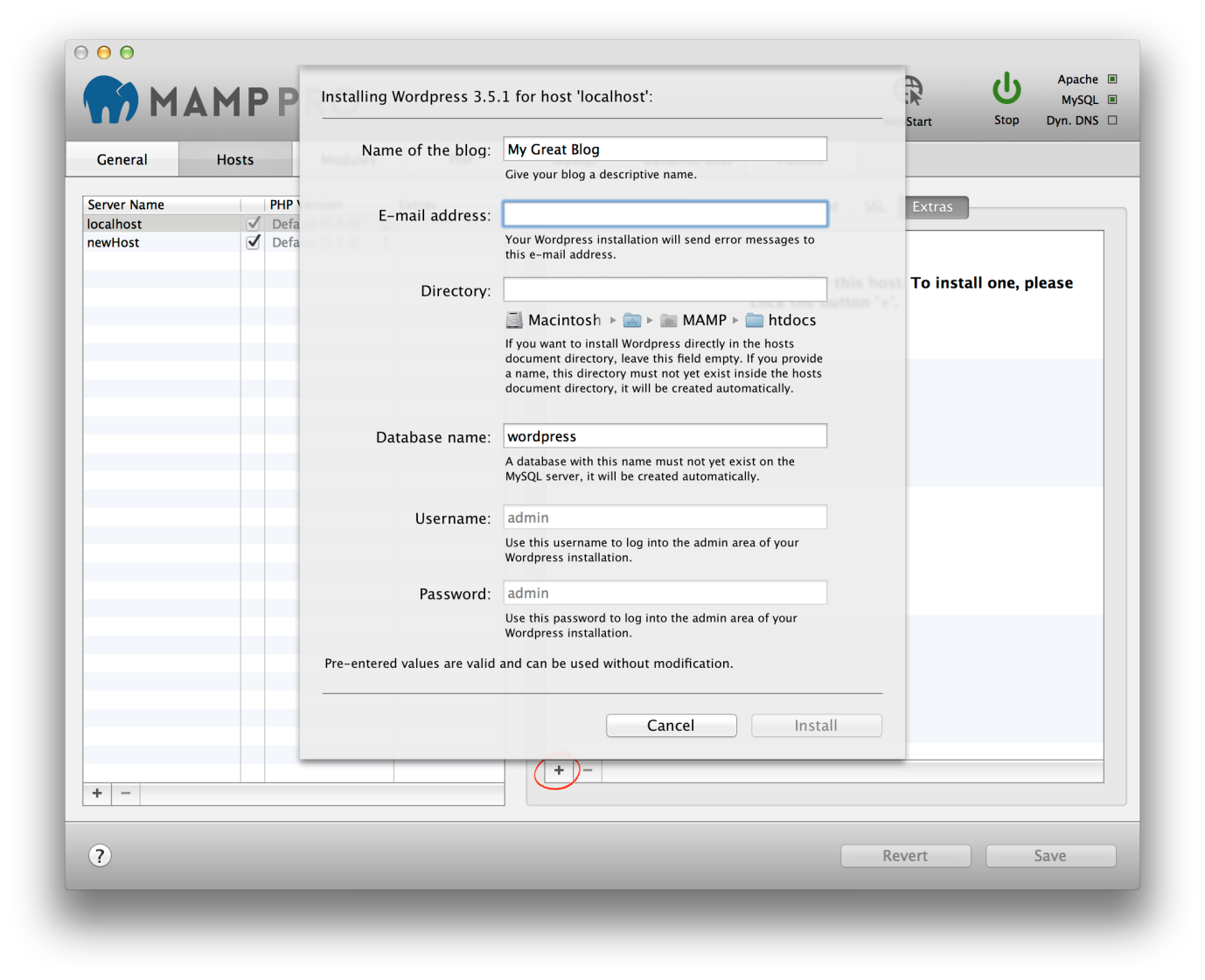
Your email address.

Note: You must enter a valid email address to setup a Wordpress installation.

Directory:

The installation directory. If it is left blank the Wordpress files will be copied directly to the document root folder.

Note: Do not install over a previous installation of Wordpress! Files will be overwritten without warning



Database name:

Set the name of your database schema which will be added to your local database. After installation you can view this database for this instance of Wordpress using phpMyAdmin, Sequel Pro, or MySQLWorkbench.

Username:

The Wordpress admin.

Note: You will need this username to login into your new of Wordpress blog, please write this down.

Password:

The Wordpress admins default password.

Note: You will need this password to login into your new Wordpress blog, please write this down.

##### 4.2.4.2 Joomla

Joomla installations can share a single MySQL database if you provide a unique table prefix during installation. To use an existing database enter the name of the database and a unique table prefix. To create a new database use a unique database name, table prefix must not be empty.

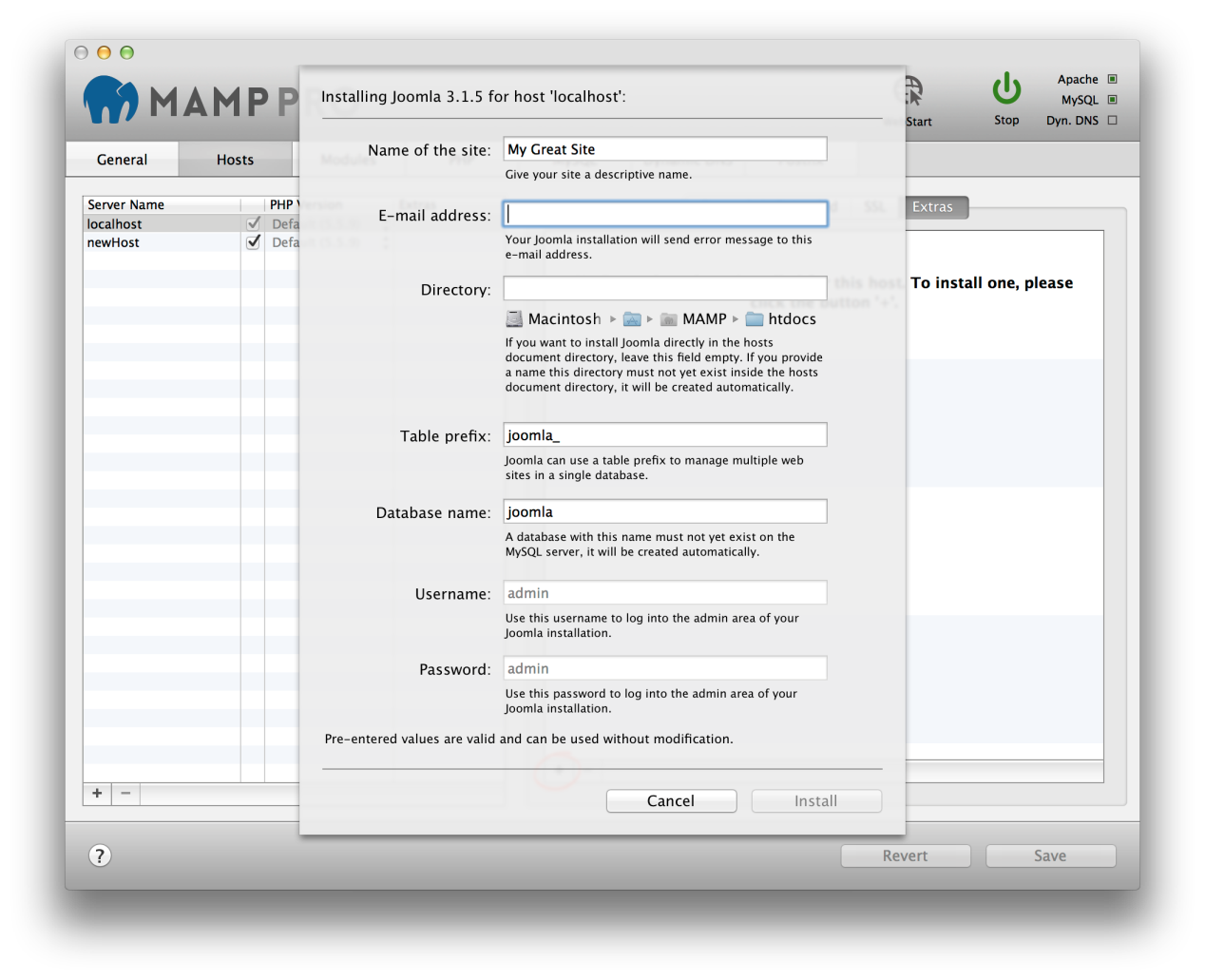


Table prefix:

Set the name of your database schema prefix. Joomla offers the ability to manage multiple websites using a single database schema.

Database name:

Set the name of your database schema which will be added to your local database. After installation you can view this database for this instance of Joomla using phpMyAdmin, Sequel Pro, or MySQLWorkbench.

##### 4.2.4.3 webEdition

webEdition will always be installed in a folder called webedition inside the document root folder.

