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.

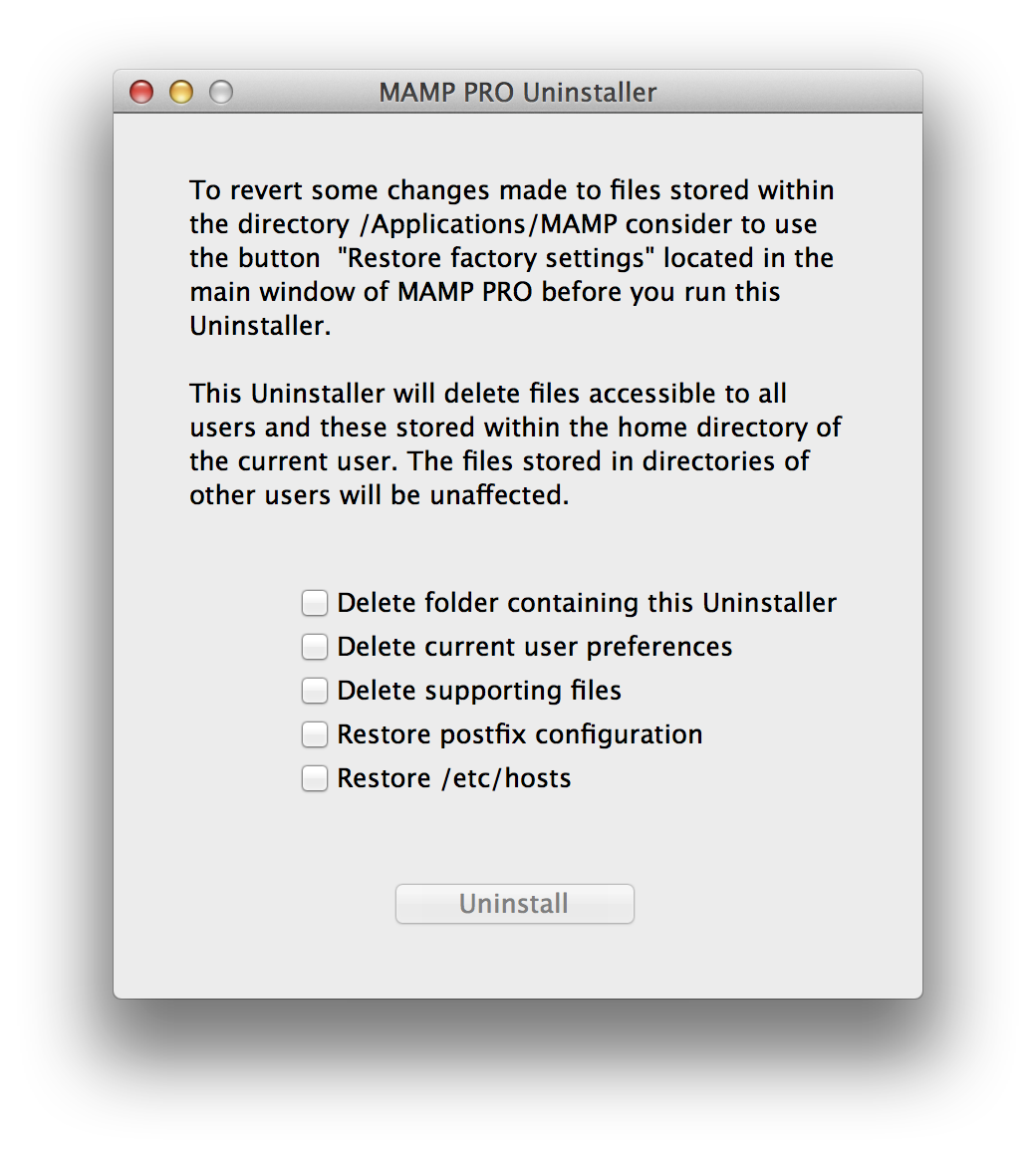
### 2.2 Installing and upgrading MAMP PRO

* 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

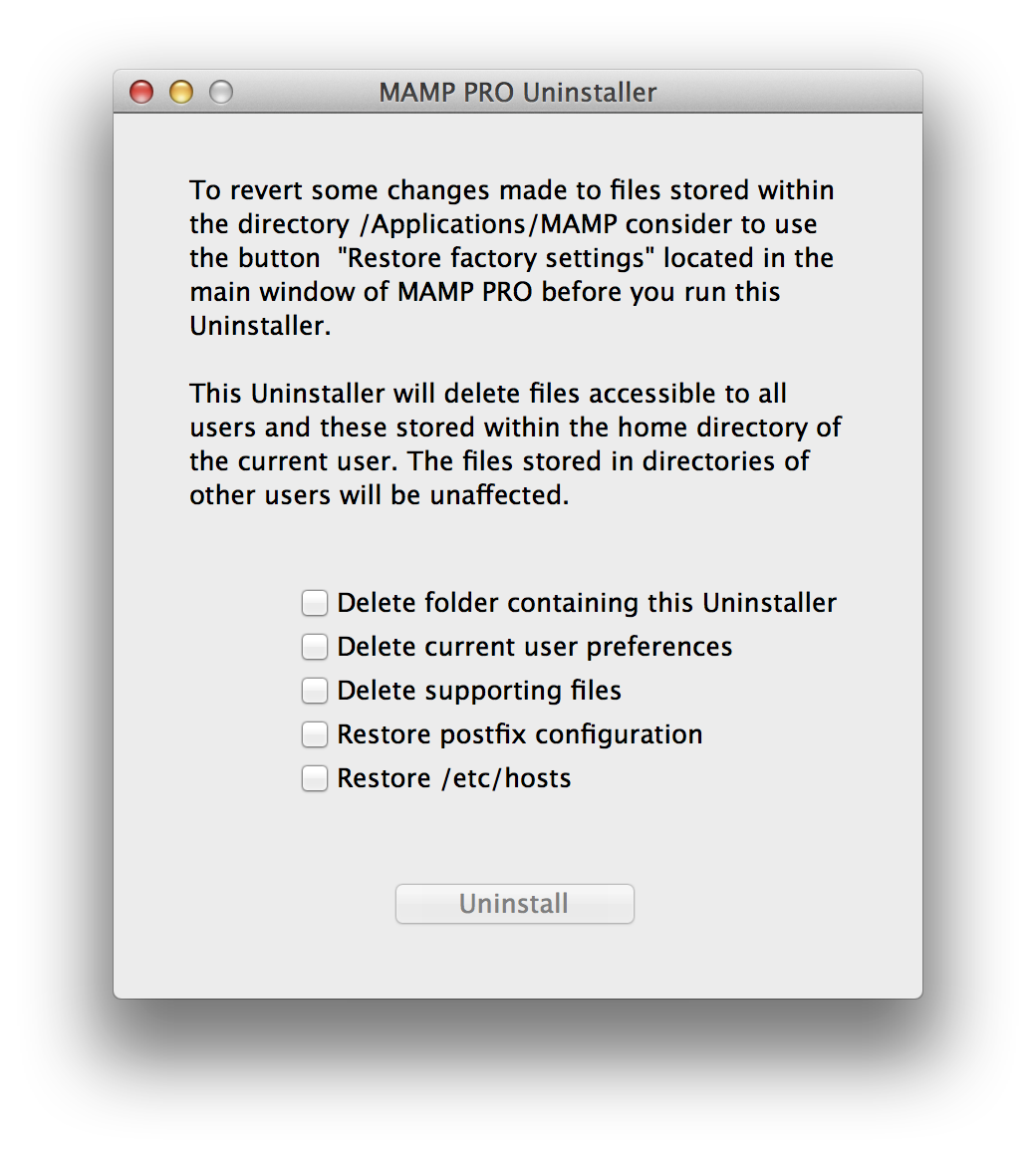
* 要使用MAMP PRO，您的系统必须满足以下要求：
* 一个工作MAMP安装（MAMP可以直接与MAMP PRO安装包下载）。
* 苹果OS X，10.6.6版本或更高版本。
* Mac计算机配64位功能的CPU。
* 这是管理员组的成员用户帐户。转至首选项>用户和组证实了这一点。

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！

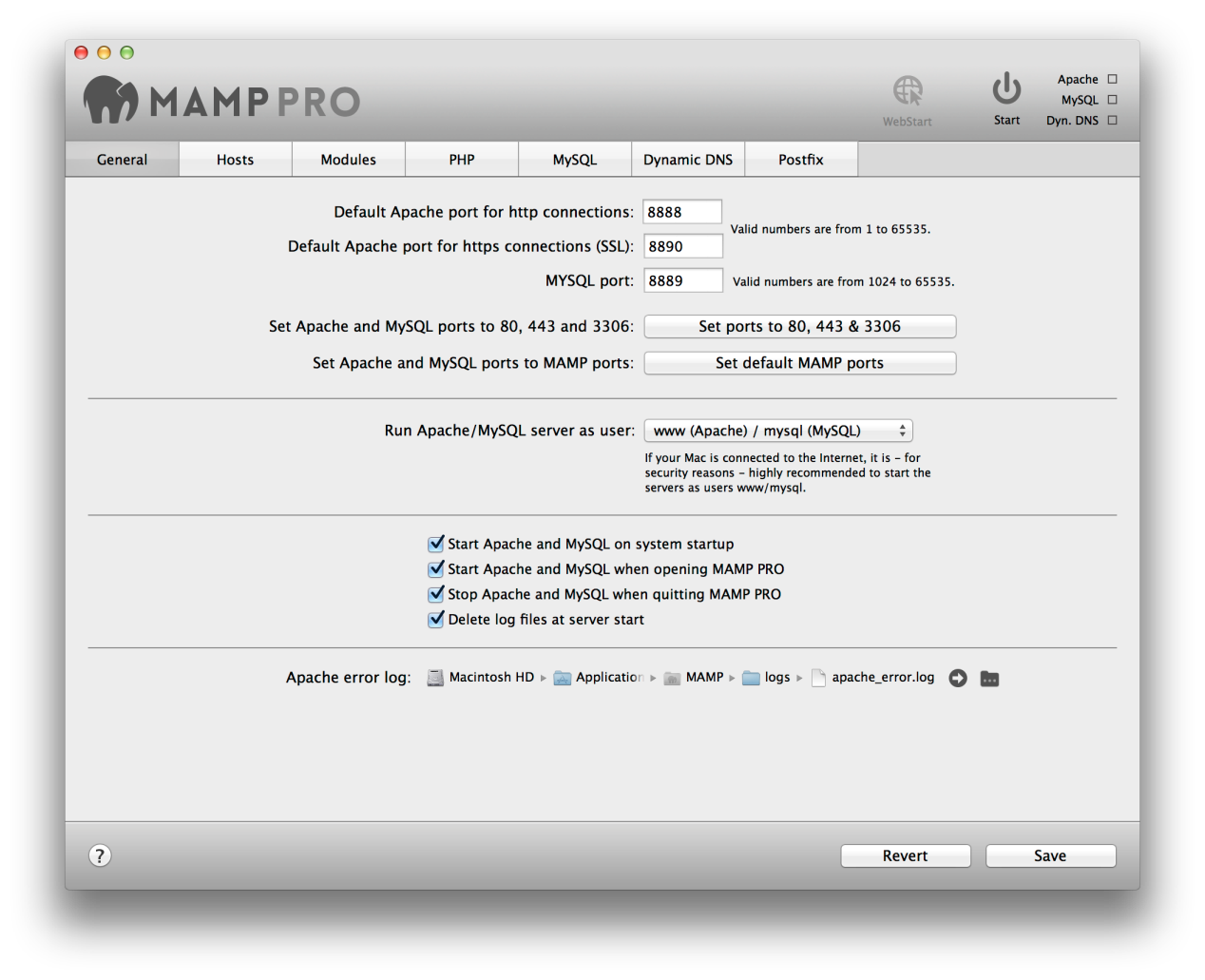
2.3卸载



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.

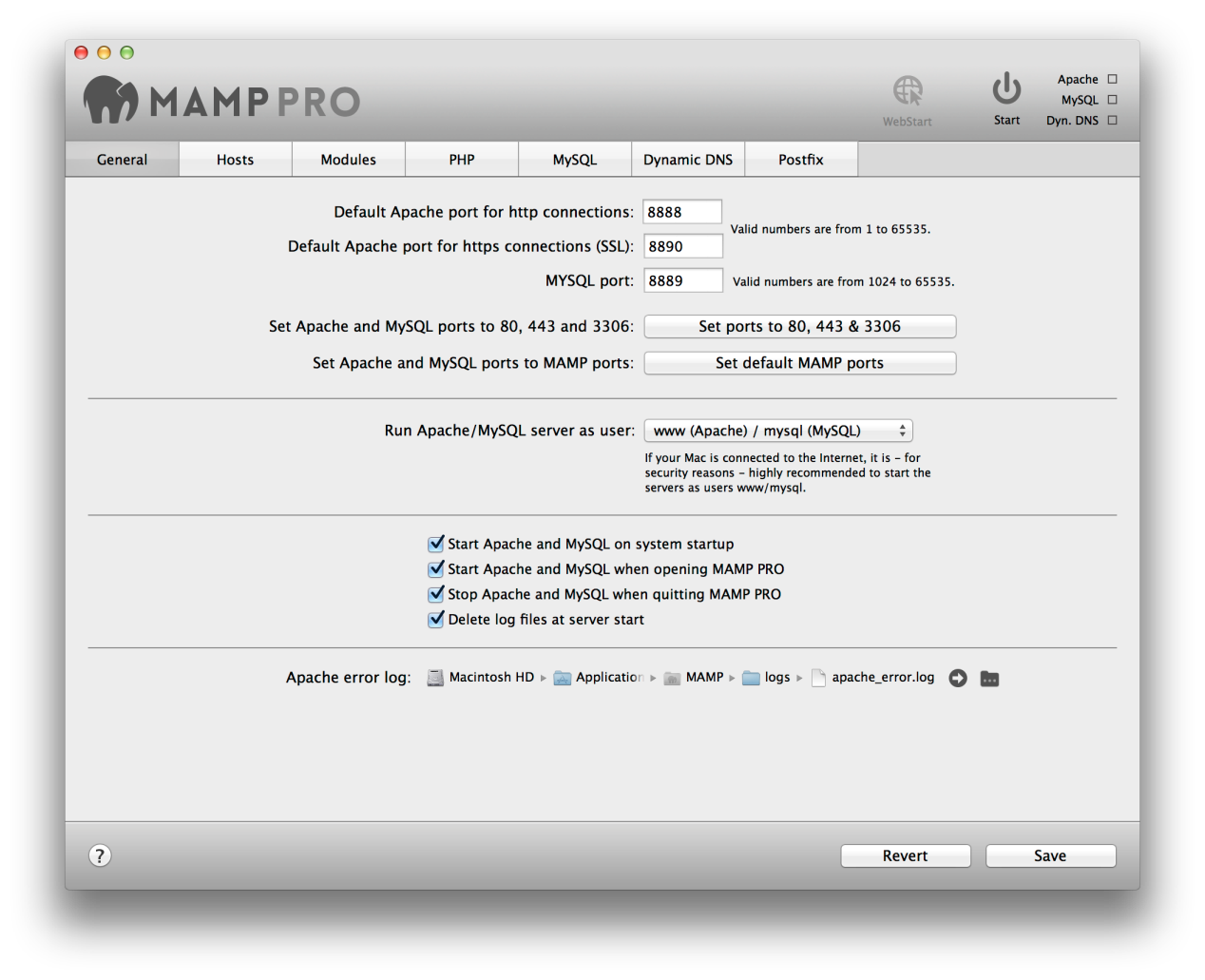
https://documentation.mamp.info/img/icons/Rechte2x.png?id=83 Modify the access rights of a document root folder.

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

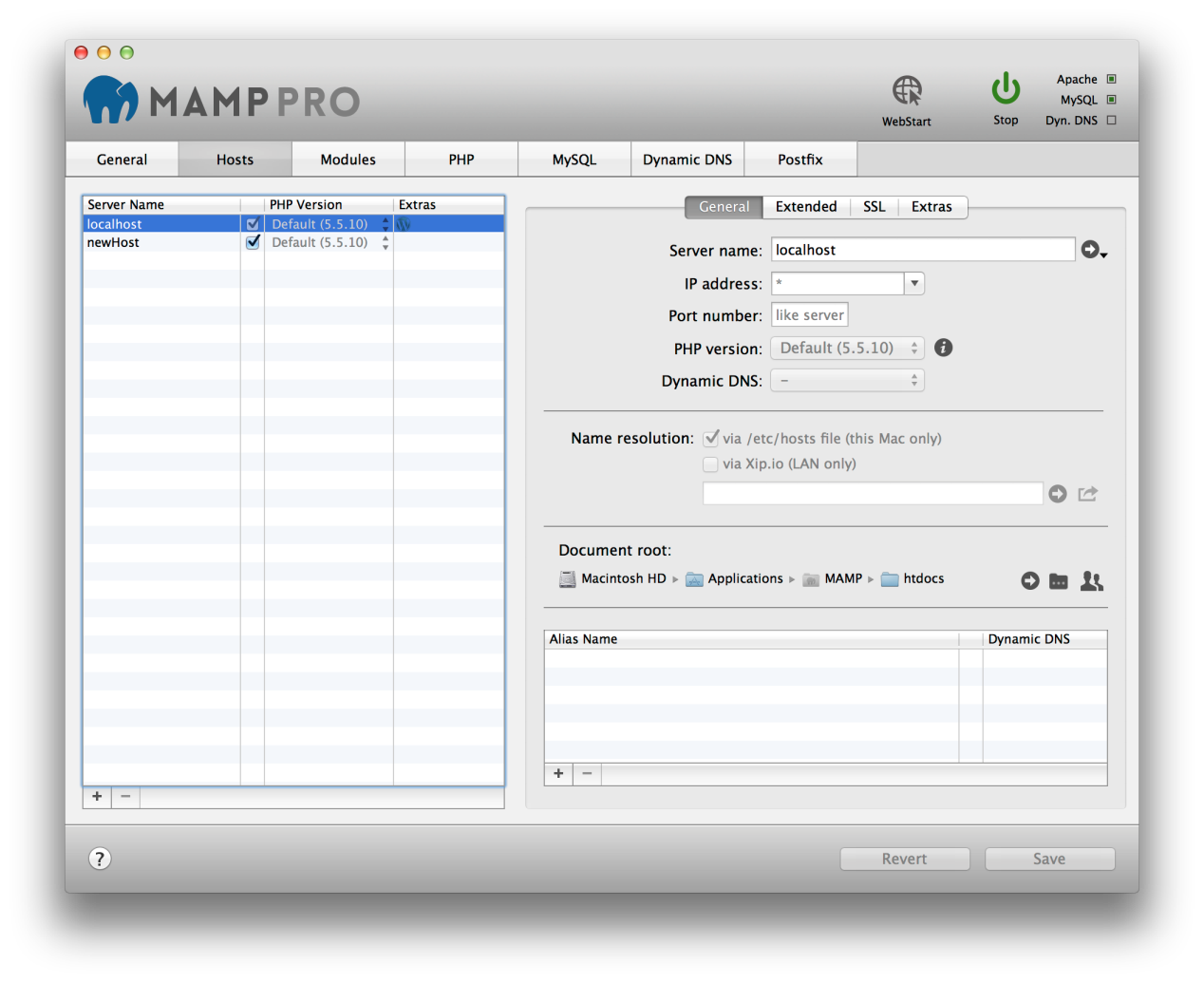
#### 4.2.1 General Settings (Host)

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].

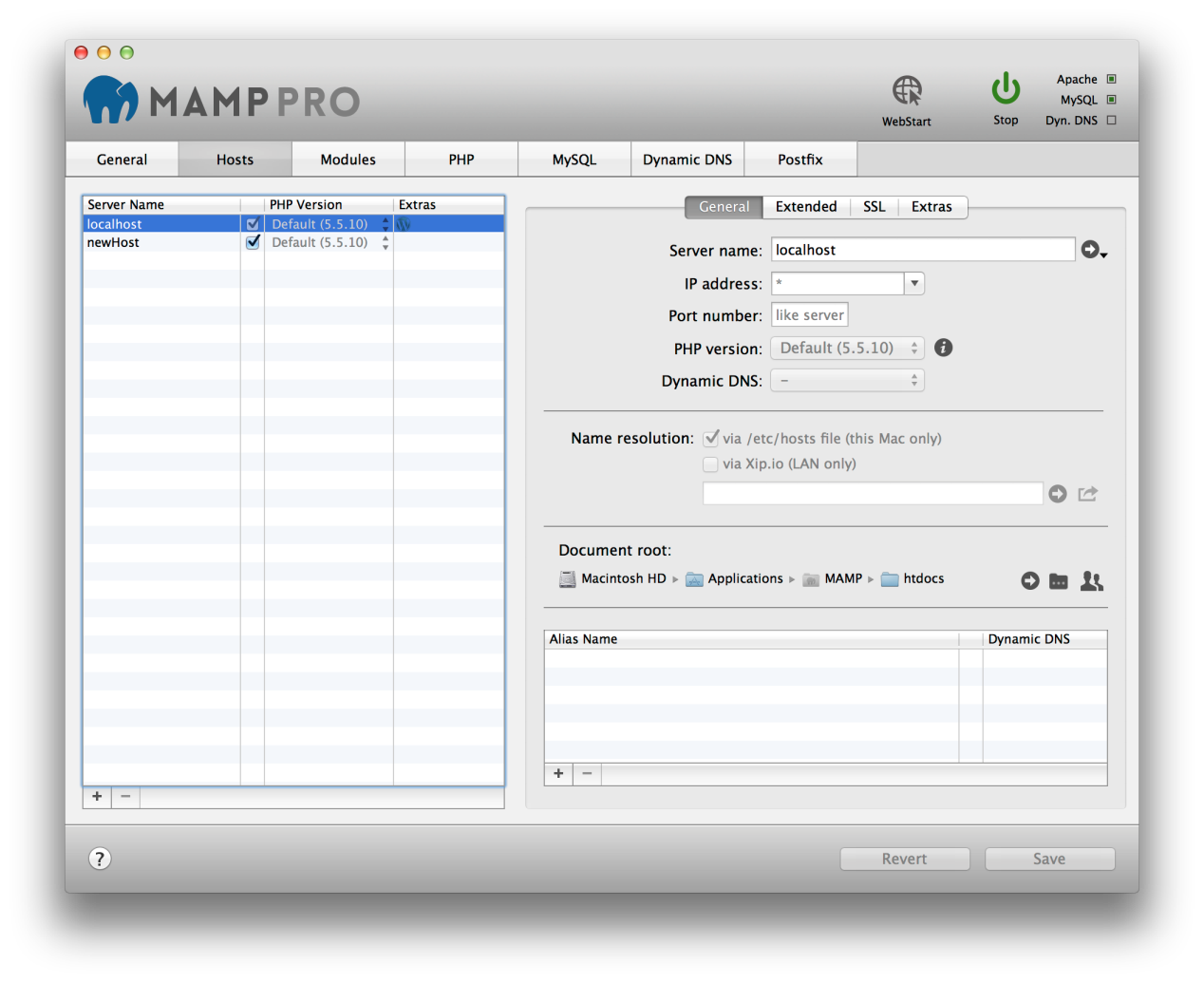
Click on the folder icon to choose a document root. Use the Right Arrow button to open the folder in the Finder.



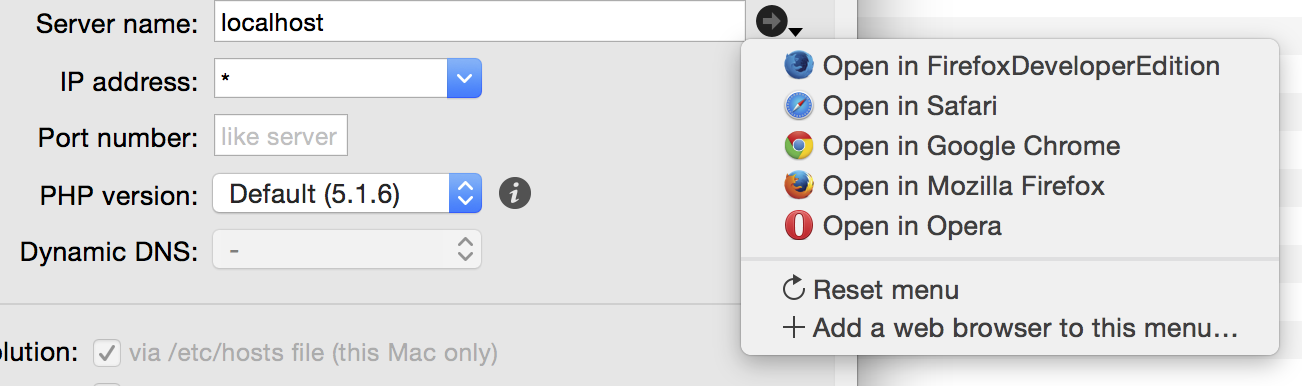
The document root is also known as the web root folder. MAMP PRO will automatically add an index.php file and a MAMP image to this location when Apache is restarted and the folder is empty.

**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**

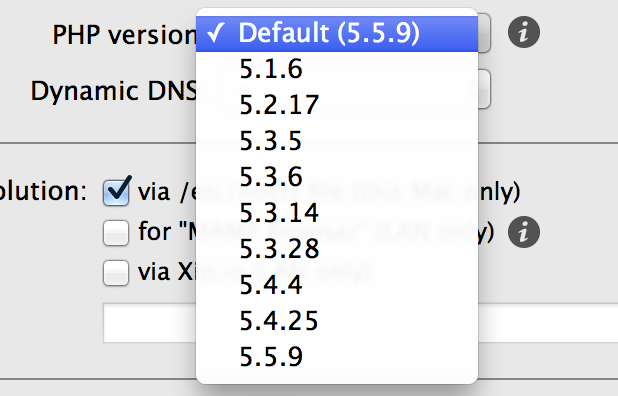
Determine the port with which the virtual host is accessible. Valid values are from 1 to 65535. In most cases the preset value does not need to be changed.

**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.

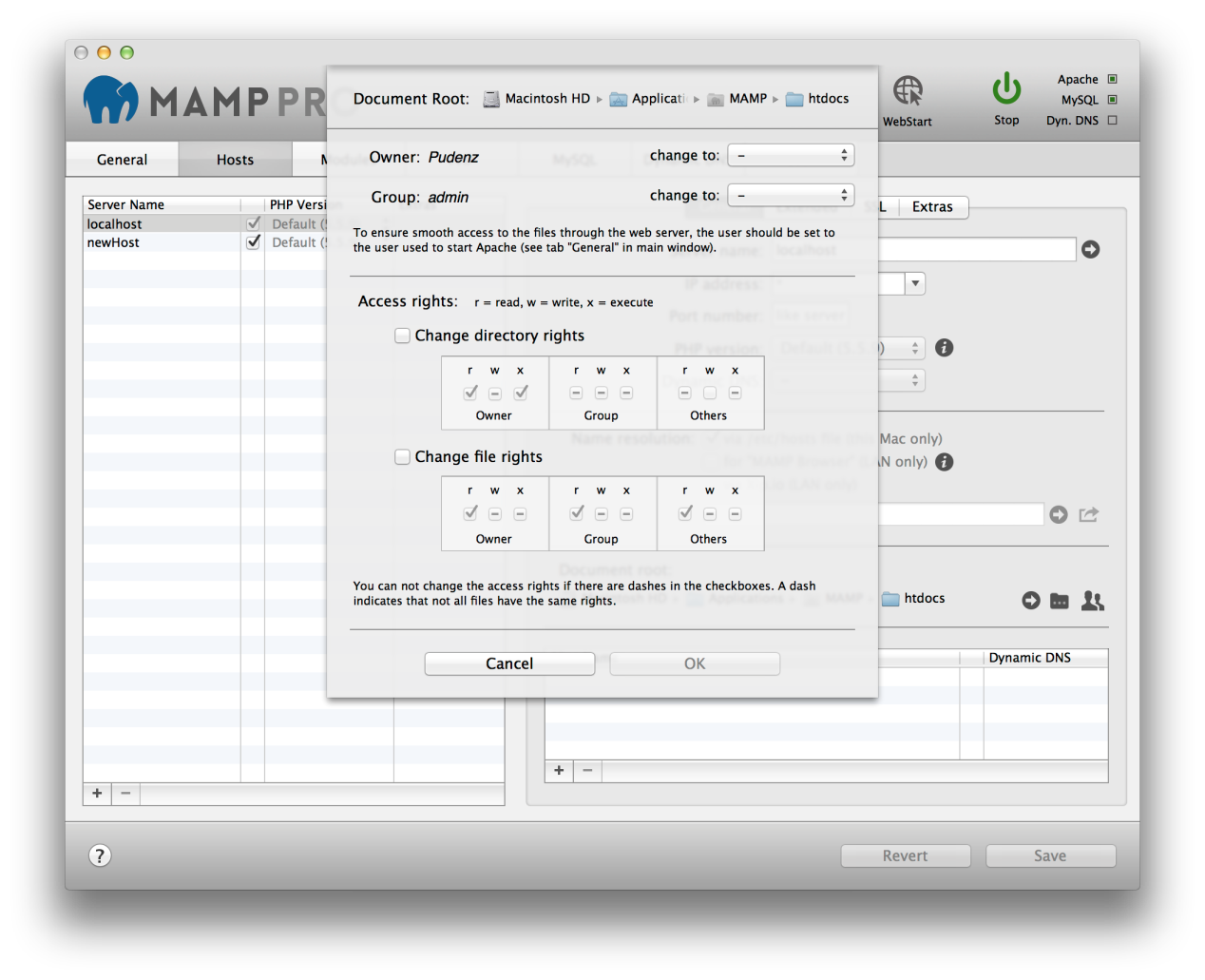
**Alias Name**

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**

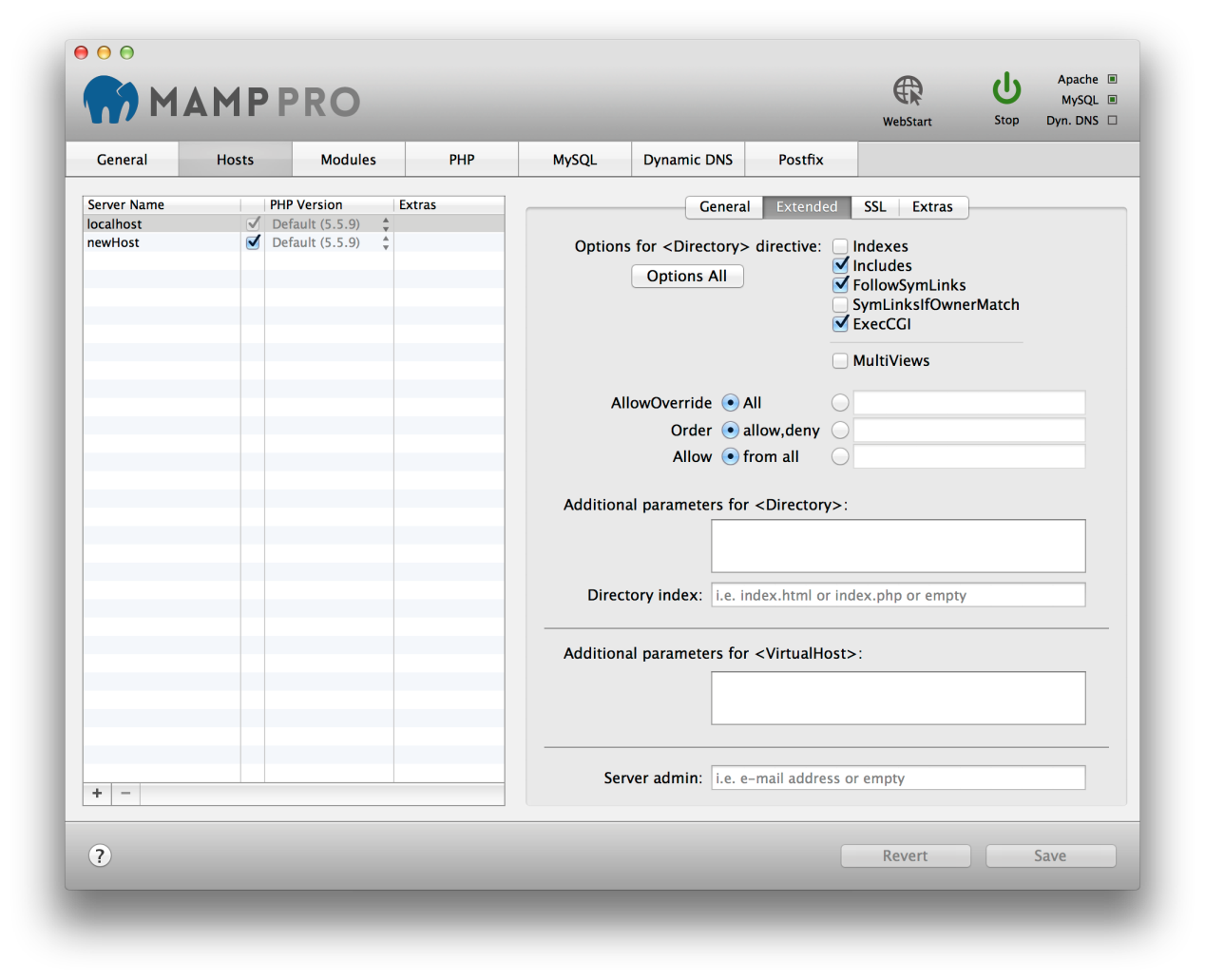
The group who has access to the directory and all the subdirectories and files in it.

**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.

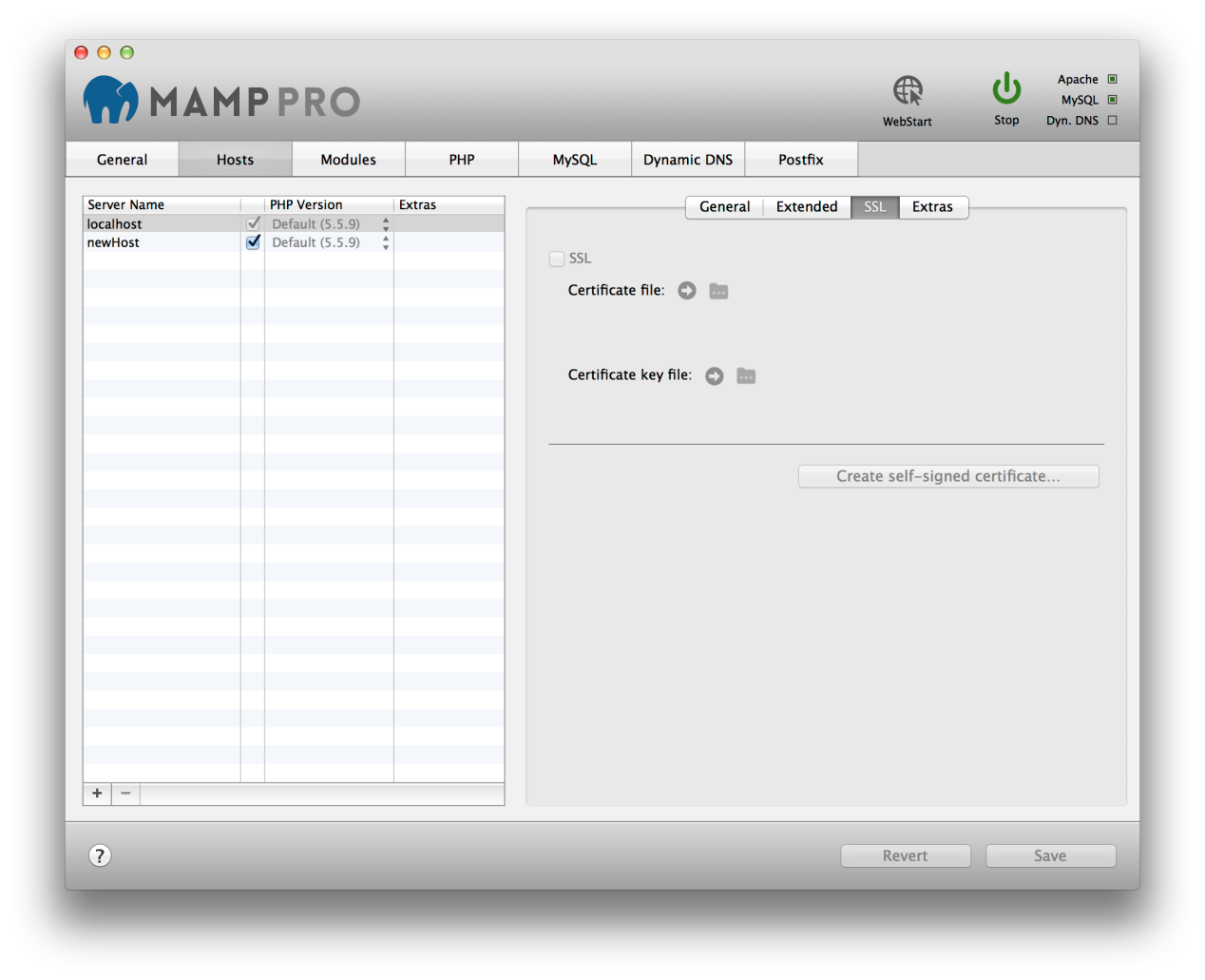
**Note:** Watch out for typos, they will otherwise prevent Apache from starting up.

#### 4.2.3 SSL (Host)

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

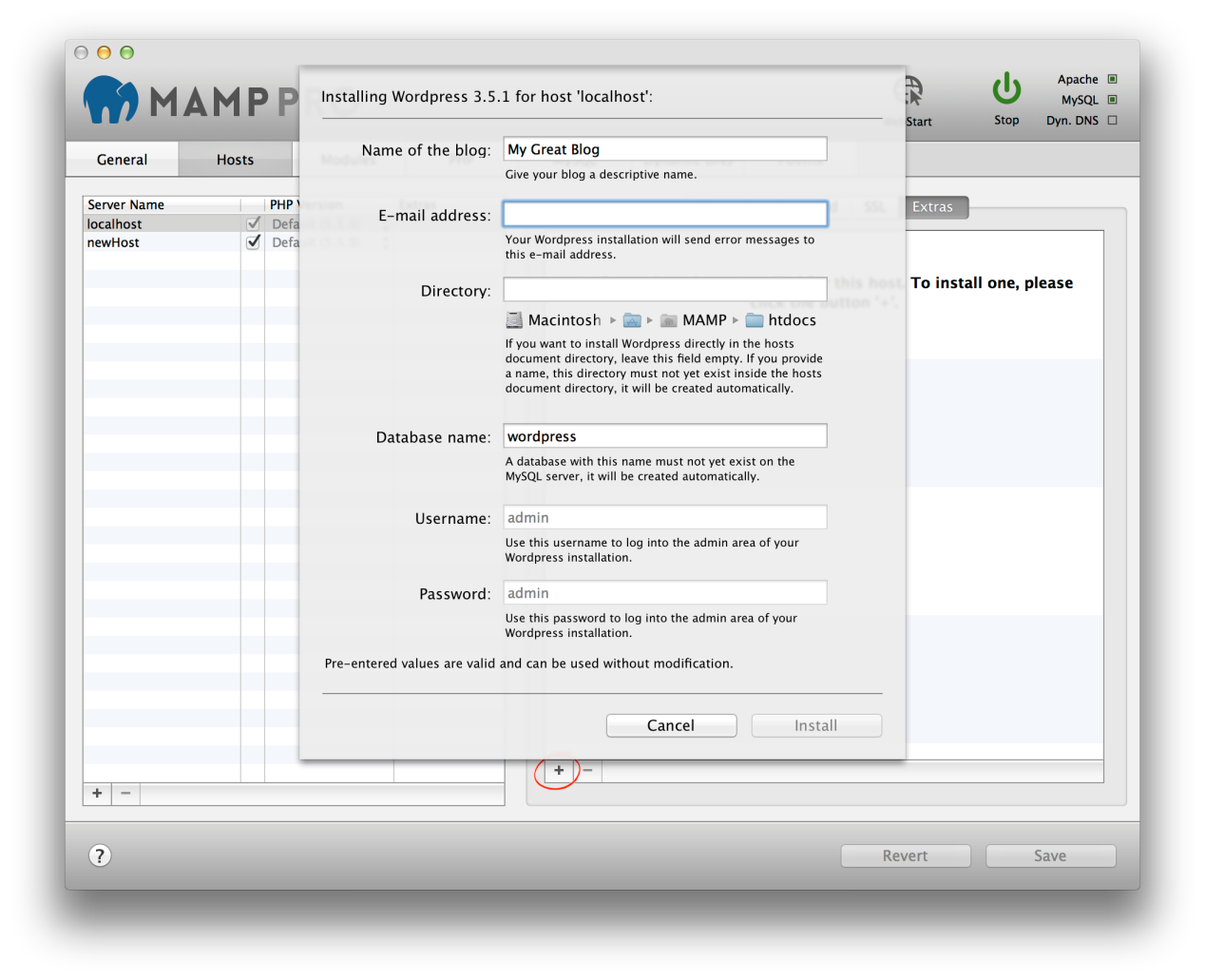
Use “Create self-signed certificate” if you want to test SSL functionality.

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:

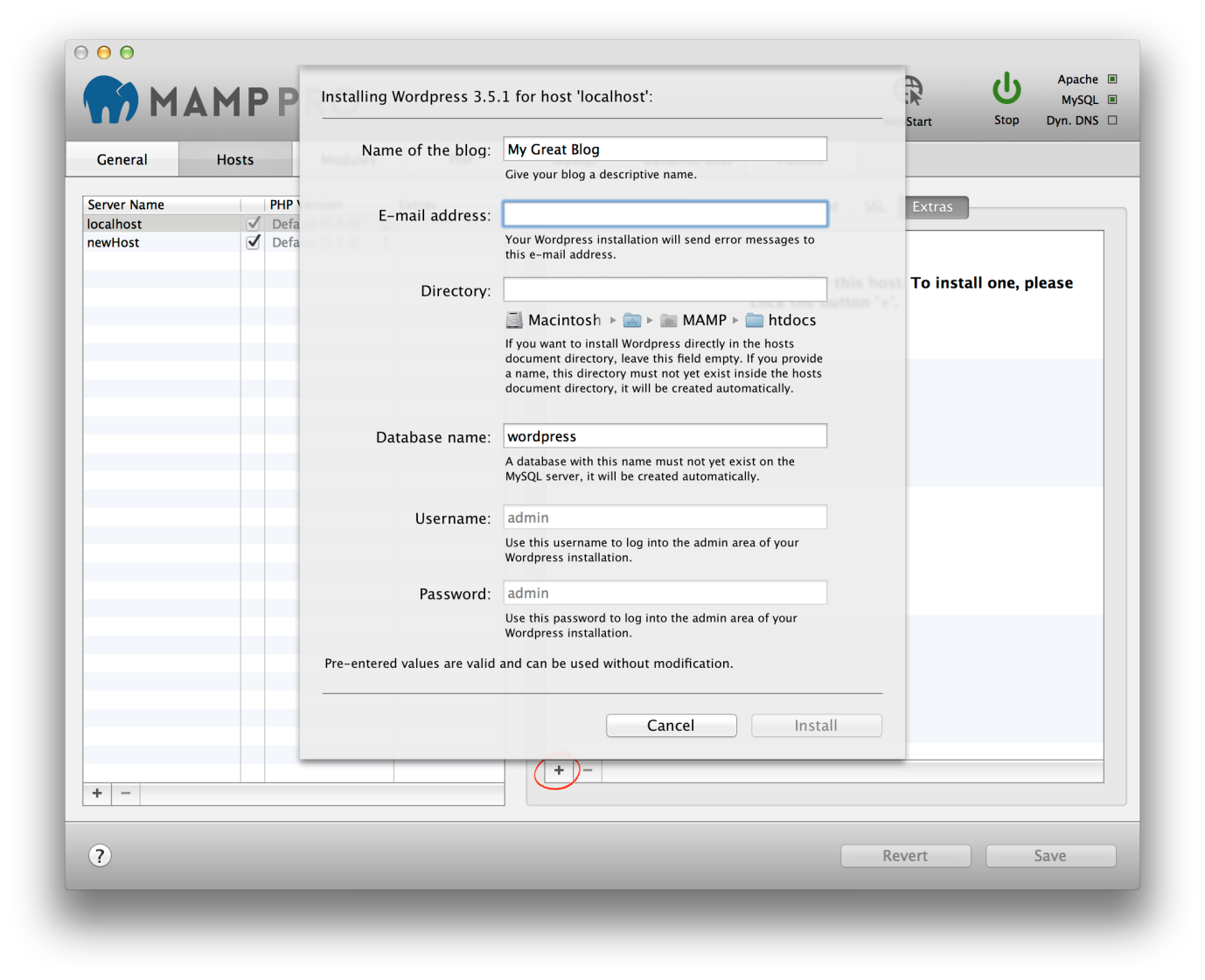
Your email address.

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.

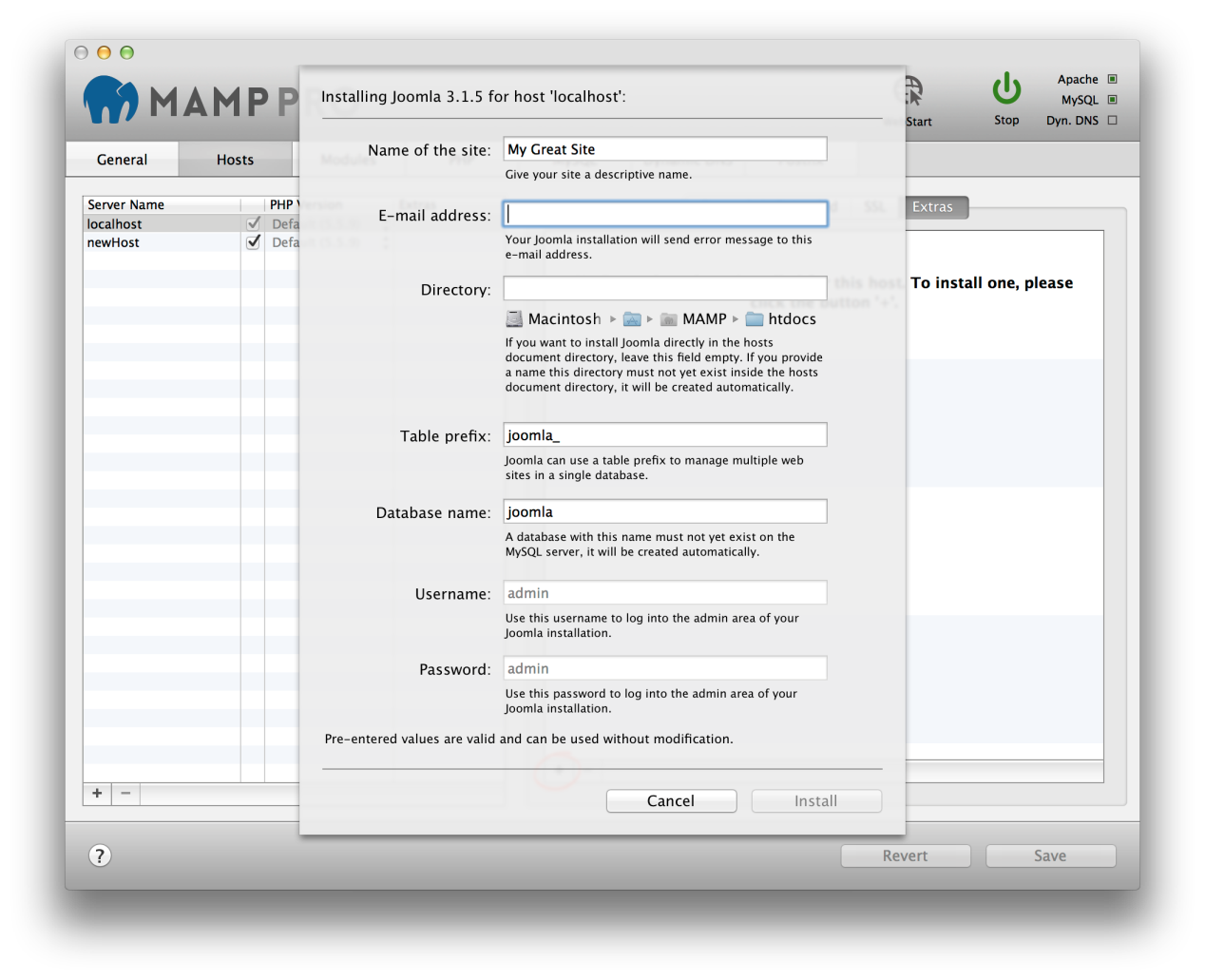


Table prefix:

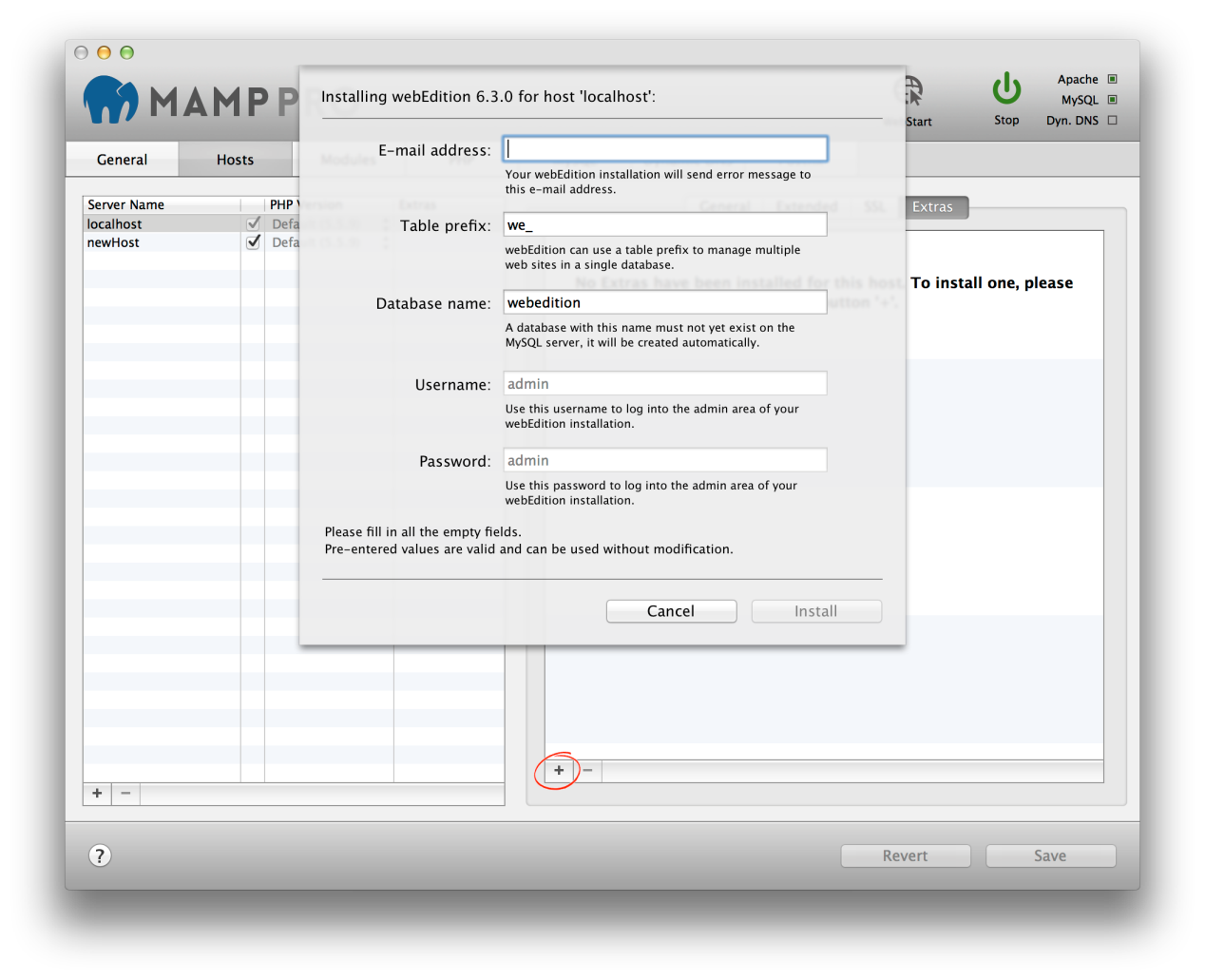
Set the name of your database schema prefix. Joomla offers the ability to manage multiple websites using a single database schema.

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.



able prefix:

Set the name of your database schema prefix. webEdition 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 webEdition using phpMyAdmin, Sequel Pro, or MySQLWorkbench.

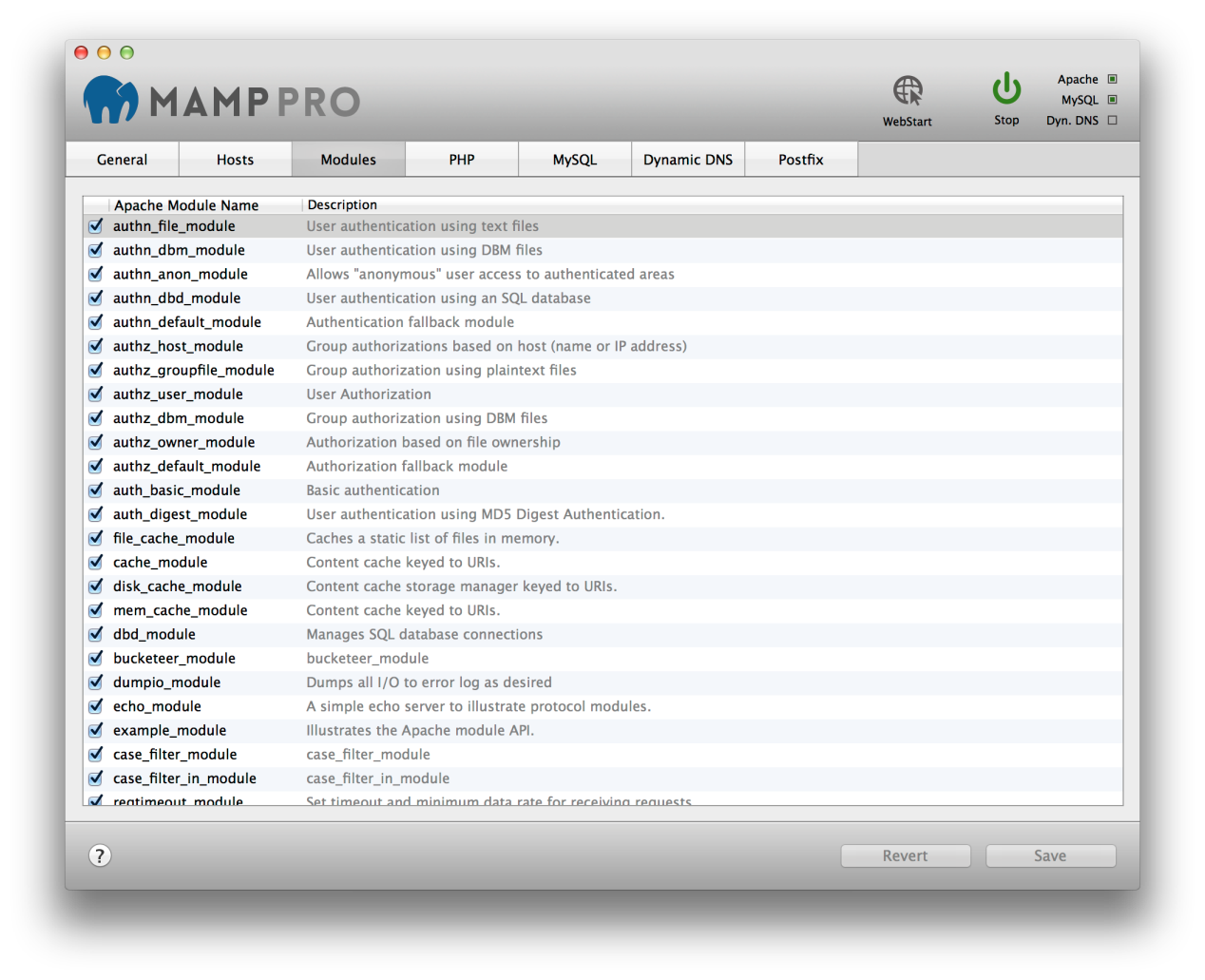
Note: When a Content Management System is setup the host name and Apache port number is stored in its database. Going forward the Apache port in MAMP PRO cannot be changed. A change in the Apache port will result in breaking the CMS, returning only a vague error message. Content Management Systems usually provide a mechanism for changing the host and port names. If changes are made in the CMS, then they must also be made in MAMP PRO.

### 4.3 Modules (Apache)

The Apache Web Server installed by MAMP PRO comes with many modules pre-installed.

**Apache Modules**

The web server modules can be activated or deactivated depending on your needs. Module Description provides information pertaining to features and functions of the selected module.

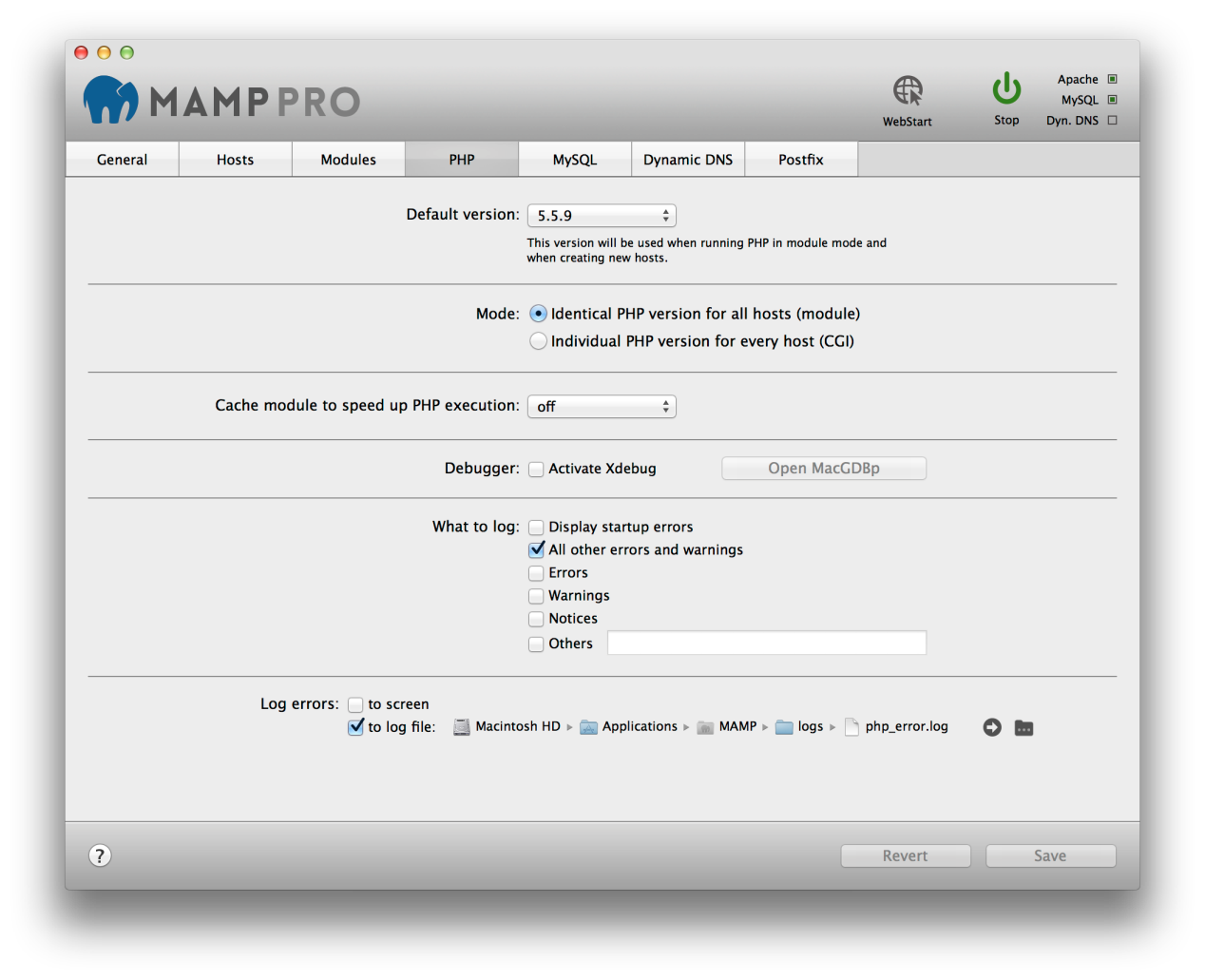


If you want to use the PHP scripting language you must activate the php\_module, if you want to use Python you need mod\_wsgi module, Perl needs perl\_module.

If you want to be able to switch to CGI mode and use multiple PHP versions you must activate cgi\_module.

### 4.4 PHP

PHP is a popular web scripting programming language. MAMP PRO installs several versions of the PHP script interpreter.



**Default version**

Choose which PHP version to use.

**Mode**

Choose whether to use identical PHP versions for all hosts [Module Mode] or on a host by host basis [CGI Mode]. In CGI Mode the PHP settings will be identical for all hosts – except for the PHP version. Navigate to the Hosts section to change the PHP version for each individual host. More information on how to change the PHP version for an individual host is covered in the ‘Hosts’ section.

**Cache Module to speed up PHP execution**

PHP has several cache extensions that can help speed up execution in certain circumstances. This is set to ‘off’ by default. Enabling a cache extension does not necessarily translate to greater execution speed.

**Debugger**

**Activate Xdebug**

Activate Xdebug to allow PHP to create debugging information during script execution. By default, Xdebug uses localhost and port 9000 in the PHP.ini file.

**Open MacGDBp**

With Xdebug activated you can open the MacGDBp debugger to enable PHP debugging. By default, MacGDBp expects debugging information on port 9000 of localhost. See <http://www.bluestatic.org/software/macgdbp/> for more information.

**What to log**

Determine which error types should be reported.

Display startup errors: Log PHP errors that occur when Apache loads the PHP module.

All errors and warnings: All errors will be reported.

Errors: Script errors that make the further execution of the current PHP script impossible.

Warnings: General errors in the PHP environment.

Notices: Possible problems, that do not concern PHP, but which could be a notice of an error in a script.

Other: Report further error types through constants. Please turn to the PHP documentation for further information.

**Log Errors**

Determine if these errors should be recorded in a log file and/or displayed in the web browser window.

### 4.5 MySQL

The MySQL database server is a popular database used on production servers. An installation of MySQL is installed on your computer by MAMP PRO.



**Change password of user “root”**

The Head Database Administrator is called root. This user has unlimited access to all databases. Therefore you should set the password to one only you know.

**Note:** The default password of root is “root". To make things even more confusing there is also a user root inside Mac OS X. Don’t confuse them. You can also use one of the MySQL administration tools to create other MySQL users if you do not want to use almighty root.

**Allow network access to MySQL**

If the checkbox for Allow network access to MySQL is not checked, network access to the database is prohibited, even from programs installed locally.

**Note:** This is an advanced feature not need for local development.

**Only from this Mac**

Only programs installed on this Mac can access MySQL via network functions.

**From other computers**

MySQL will answer any network request, even from computers on the internet, depending on you network settings.

**Path to MySQL log file**

Errors occurring at startup or during execution of the MySQL server will be saved in this log file.

**Administer MySQL**

MAMP PRO comes pre-installed with several MySQL administration tools.

phpMyAdmin is a web-based administrational tool. It allows you to change data and perform administrative duties like creating new databases.

Sequel Pro is a native Mac application. It allows you to create and visualise database schemas in addition to administrative duties.

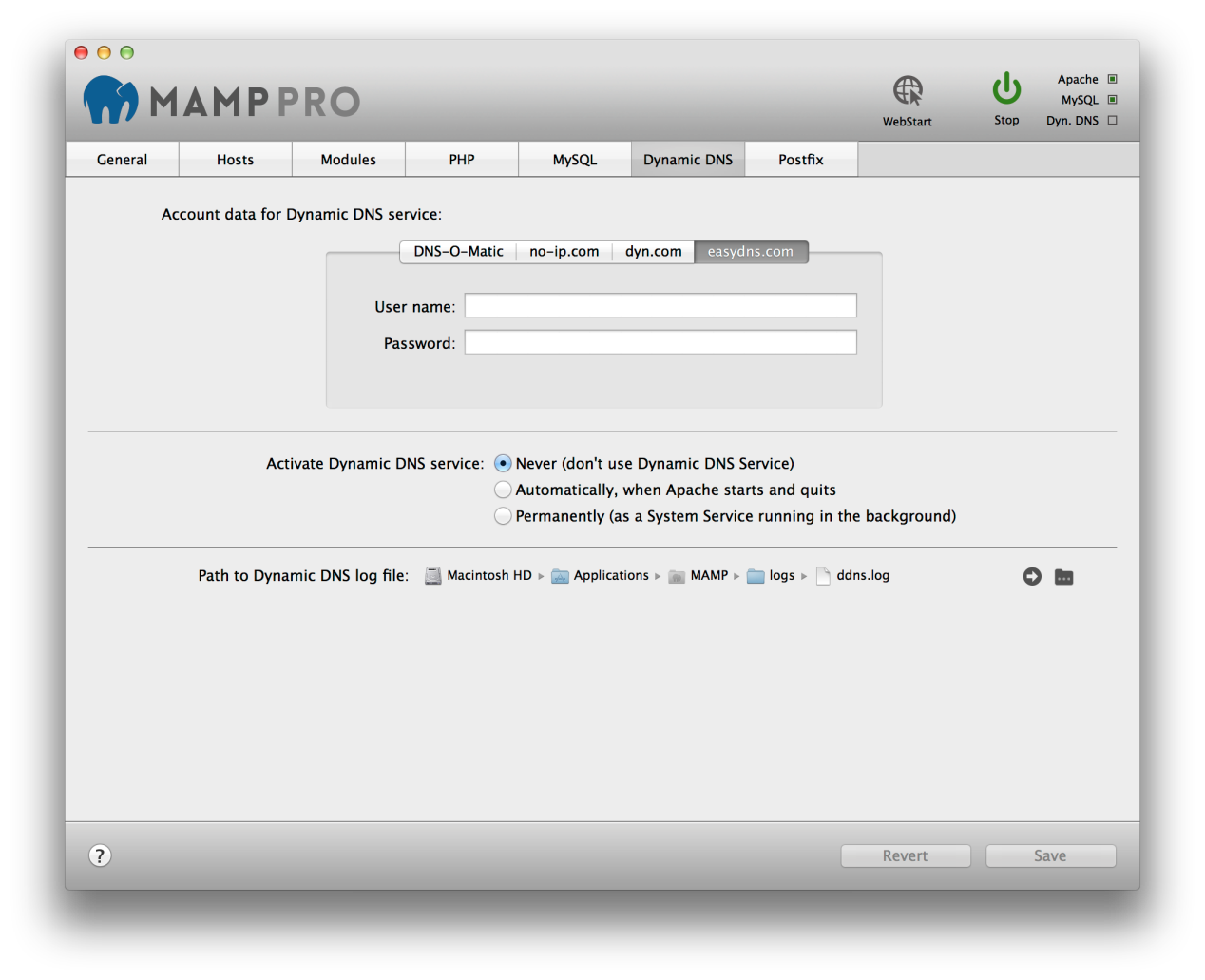
MySQL Workbench is also a native Mac application from the makers of MySQL. It allows you to visually create database schemas in addition to administrative duties.

### 4.6 Dynamic DNS

If you would like to make your hosts accessible from the internet (Don’t forget about security then!), but do not have a domain name that points to your Mac, you will need a Dynamic DNS Service.

If your network is connected to the internet via a router and it can handle Dynamic DNS Services, then you don’t need to configure it with MAMP PRO.

Otherwise you will need to register with a Dynamic DNS Service and enter the username and password into the appropriate fields. Then you will need to tell MAMP PRO when to inform the Dynamic DNS provider about a change in your Macs IP address. It may be necessary when you restart your computer or a DSL/Cable modem re/establishes a connection.



**Note:** To use the Dynamic DNS functions, you will need to register with one of the supported providers. This is independent of MAMP PRO and is not a service provided by appsolute GmbH.

**User name**

Enter the user name that was given to you by the provider of the Dynamic DNS Service.

**Password**

Enter the password that was given to you by the provider of the Dynamic DNS Service.

**Activate Dynamic DNS Service**

**Never (don’t use Dynamic DNS Service)**

Deactivate the "Dynamic DNS" service.

**Automatically, when Apache starts and quits**

Starts the "Dynamic DNS" service with the start of the Apache server.

**Permanently (as a System Service running in the background)**

Starts the "Dynamic DNS" service with the operating system. Only use this when your servers are running 24/7.

**Path to Dynamic DNS Log file**

All the events of the Dynamic DNS service will be recorded in a log file.

### 4.7 Postfix

Sometimes you may need to send an email with PHP. To do so you have to configure and start Postfix. An easy way getting Postfix to run is using the configuration tool built into MAMP PRO.

**Set domain of outgoing e-mails to**

If you want to use the PHP function mail() for sending emails to your own email address (like mail@johndoe.com) you just need to open MAMP PRO, go to Server -> Postfix and add the value "johndoe.com" (without quotes and the according domain name) into the field "Domain of outgoing mail”. Only if you want to send e-mail to others you will need to fill in the other fields. In this case make sure that your e-mail provider allows the use of a Smart host.

**Server name**Fill in your server name for outgoing emails. This could be for instance "smtp.johndoe.com" (without quotes). Ask your provider if you are unsure about the server name.

**User**

Add the user name of your mail account.

**Password**

Add the password for your email user account.

**Authentication**

Leave to “None"

**Note:** Some providers do not allow Smart-Hosts, like Google Mail.

Translate:

**4.主机和服务器设置**

**4.1一般**

|  |
| --- |
| **端口**  服务器程序，当经由网络寻址，需要被分配到一个特定的网络端口。通过这种方式，多个服务器程序可以在一个服务器计算机上运行。每个服务都有一个默认端口：Apache Web服务器通常使用80端口，MySQL数据库服务器使用的端口3306。  这些端口是可配置的。对于MAMP PRO的默认配置使用端口8888，8889和8890.这样，MAMP服务器可以一起安装在Mac上的其他服务器上运行。如果端口8888，8889和8890是由不同的应用程序使用，请相应地更改值。  该按钮将端口设置为80，443和3306将设置端口在互联网上常用的值。按钮设置默认甲基苯丙胺端口将用于Apache和MySQL的端口重置为8888，8889和8890。 |
| **启动Apache / MySQL作为用户**  生产服务器通常使用WWW / mSQL的运行Apache和MySQL。这些用户可能没有访问您的文件的权限，因此它通常是一个好主意，在你自己的用户名运行它们。  **注意：**您只需要使用自己的用户名启动服务器当机充分免受来自因特网的恶意攻击。您的服务器上的恶意脚本可以使无限制地访问您的个人资料。 |
| **在系统启动时启动Apache和MySQL**  Apache和MySQL OS的启动过程中开始，这意味着该服务可在用户登录到系统中之前。 |
| **在MAMP PRO启动启动Apache和MySQL**  该服务将在MAMP PRO的启动时自动启动。 |
| **停止Apache和MySQL在MAMP PRO停机**  当MAMP PRO关闭服务将自动停止。 |
| **删除日志文件在服务器启动**  日志文件将在服务启动前被清空。这样，目前唯一的作品将在日志文件中。 |
| **Apache的错误日志**  如果发生在启动或Apache服务器的执行过程中的任何错误，邮件将被保存在一个日志文件中 |

**4.2主机**

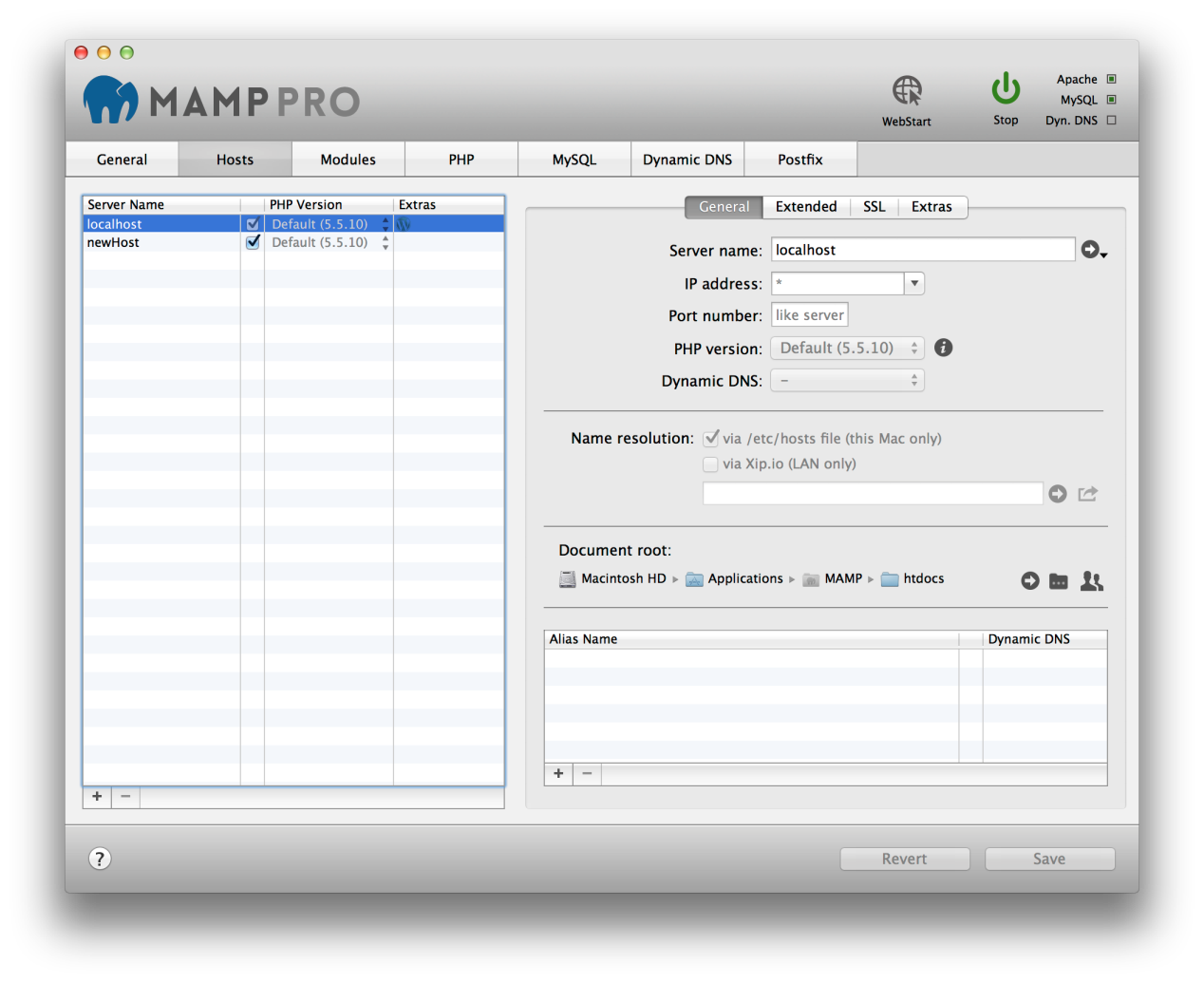
**4.2.1常规设置（主机）**

MAMP PRO使用虚拟主机，让Apache来提供不同的网站。虚拟主机[本地主机]默认情况下创建的，不能被删除。您可以添加主机的数量不受限制，允许您创建每个项目一个主机。每台主机可以有它自己的目录来存储HTML，PHP文件和图像。该目录被称为文档根。

主机[服务器名称]的名称必须是唯一的，往往是实际使用反向域名命名方案更容易识别它们（例如使用de.appsolute.mamp代替mamp.​​appsolute.de的）。该unreversed名称可能与外部域名冲突。

要创建一个新的主机按底部的“加号”按钮，屏幕左边。替换默认主机名。第二个必填字段，完成一个新的主机的设置是它的文件[文档根目录]的位置。

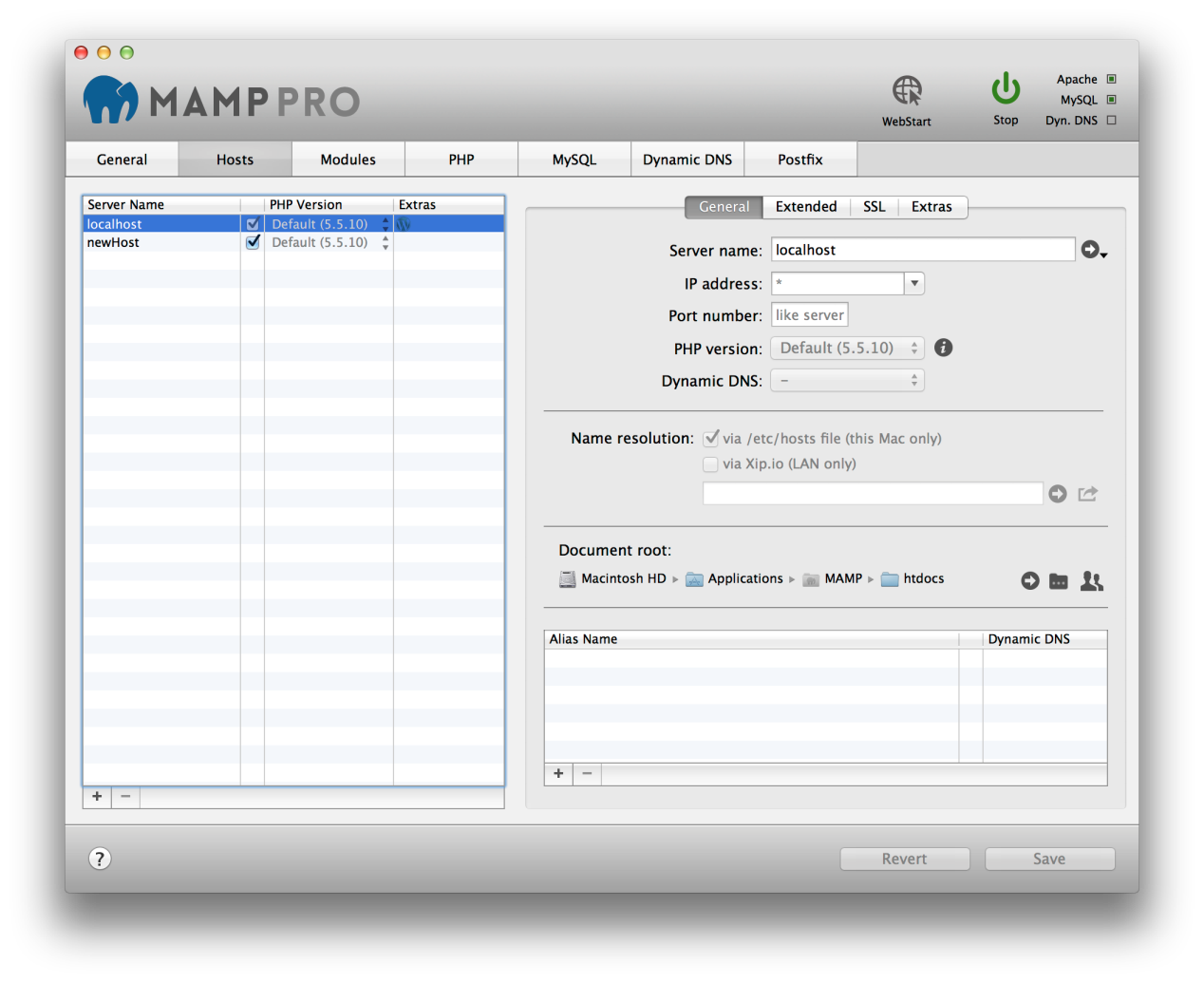
点击文件夹图标，选择文档根目录。使用右箭头键打开Finder中的文件夹。



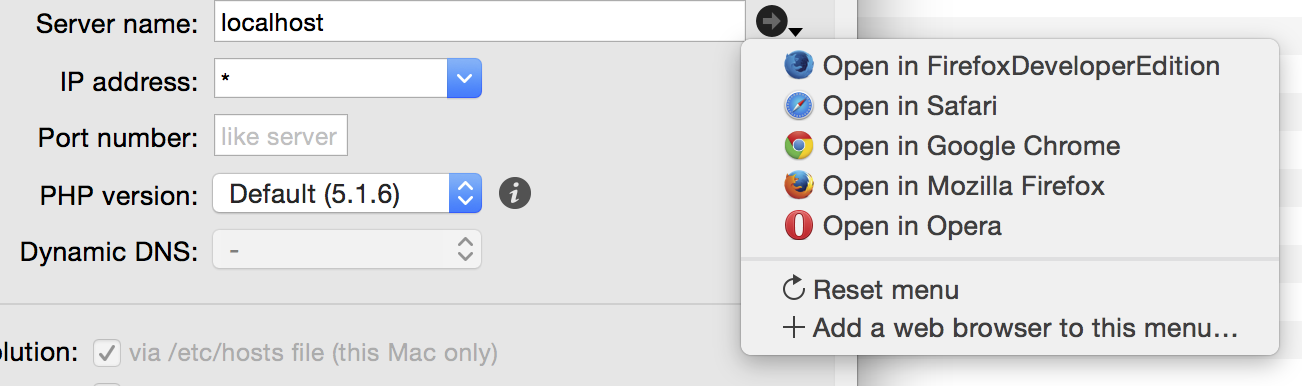
文档根目录也被称为Web根文件夹。重新启动Apache的时候MAMP PRO会自动的index.php文件和MAMP图像添加到这个位置和文件夹为空。

**服务器名称**

服务器名称和端口号组合必须是MAMP PRO中是唯一的。主机名只能包含字母和/或数字，以及破折号（“ - ”）;但它可能不会开始或结束一个“ - ”字符。名称不区分大小写（大写和小写字母不区分。）



如果服务器正在运行，您可以使用右箭头按钮在Web浏览器中打开的主机。



**IP地址**

如果该字段为空或包含“\*”Apache会使用计算机的IP的一个地址访问该主机。如果你想选择哪个IP地址应与主机相关联，然后从弹出菜单中选择。

**端口号**

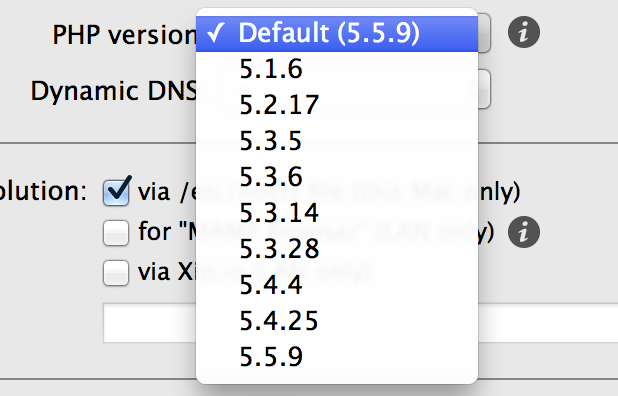
确定与该虚拟主机进行访问的端口。有效值是1到65535在大多数情况下，预置值并不需要改变。

**PHP版本**

确定主机将使用的PHP版本。当个别PHP版本，每个主机（CGI）在MAMP PRO的PHP部分设置这只能进行设置。

如果你选择，如果你选择在PHP标签的新标准版的标准PHP版本MAMP Pro将自动适应此设置。使用固定设置告知MAMP PRO不改变PHP版本。

听起来很复杂？让我们看一个例子：默认版本设置为5.5.9。您已经oneHost设置为PHP版本“默认（5.5.9）”，anotherHost设置为“5.5.9”，并yetAnotherHost设置为“28年3月5日”。如果您在PHP部分的PHP版本设置为25年5月4日，MAMP Pro将oneHost的PHP版本适应这个版本（它被设置为始终使用标准版）。另2主机将不被改变。



该https://documentation.mamp.info/img/icons/docs2x.png?id=66按钮将打开一个网页，提供有关使用的PHP版本，包括其所有扩展的信息。

**动态DNS**

确定，如果这个虚拟主机是从互联网动态DNS服务访问。

**名称解析**

这将决定你的系统将如何主机名映射到IP地址。

**通过/ etc主机文件（仅此Mac）**

它使用了文件/ etc/ hosts中的基本映射机制。

**通过Xip.io（仅LAN）**

让你的本地网络上的其他计算机来访问你的网站。使用共享按钮，你可以发送Xip.io地址给其他用户。

**注：**Xip.io地址只在本地网络中工作。他们是暂时的，如果你重新启动Mac可能会变得无效。另外，还要确保您的Internet路由器没有阻止Xip.io通过DNS重新绑定的保护要求。如果路由器做到这一点，你可以禁用这个功能，添加Xip.io作为例外或不使用路由器作为DNS服务器在你的Mac电脑的网络设置。

**文档根**

虚拟主机的文件（HTML/ PHP文件等）的位置称为文档根目录。

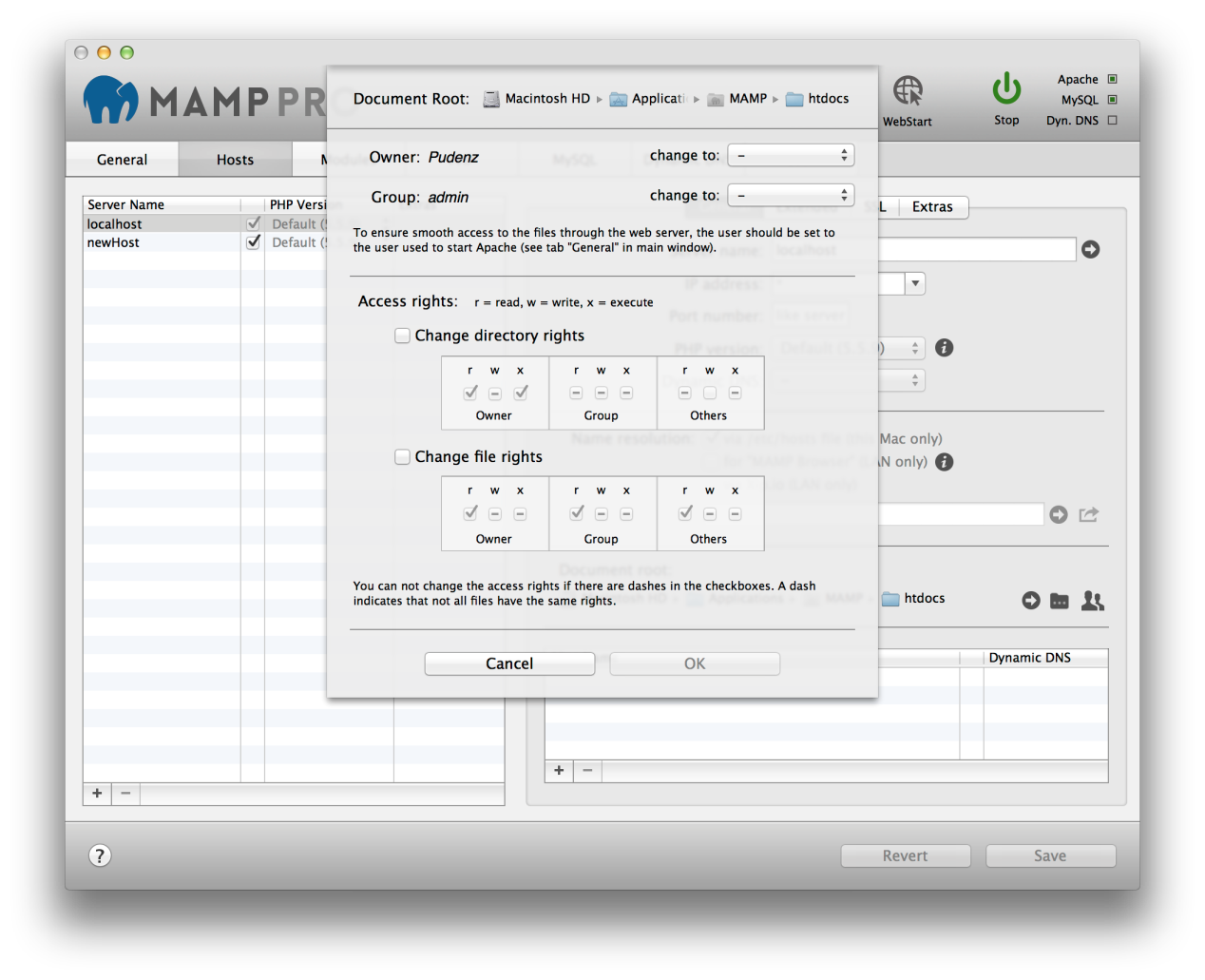
**别名**

别名是虚拟主机的其他名称。同样的限制适用于这些额外的名称作为主机本身。添加别名与加按钮。

**访问权限的文档根目录**

对于Apache要能够访问文档根目录文件夹中的文件，并将它们用于Web浏览器就需要足够的权限。如果您使用用户WWW启动Apache，那么该用户必须拥有访问文档根目录文件夹里面的文件的权利。通常不是这种情况。您可以调整访问权限，还是使用当前的Mac用户启动Apache。

在一个网站的发展阶段，它更容易使用的当前Mac用户启动Apache。用户WWW一般只用在生产服务器。



如果Apache是报告“拒绝访问”在错误日志或网页的某些部分缺失，这可能是由于访问权限的问题。

MAMP PRO的权利对话框如下一见钟情复杂，但实际上是非常强大的。它不仅表现出你和它里面的文档根目录文件夹的访问权限，而且所有子目录的所有权利的文件。 A“ - ”表示，并不是所有的对象都具有相同的权利。