

Webmin Configuration

From Webmin Documentation

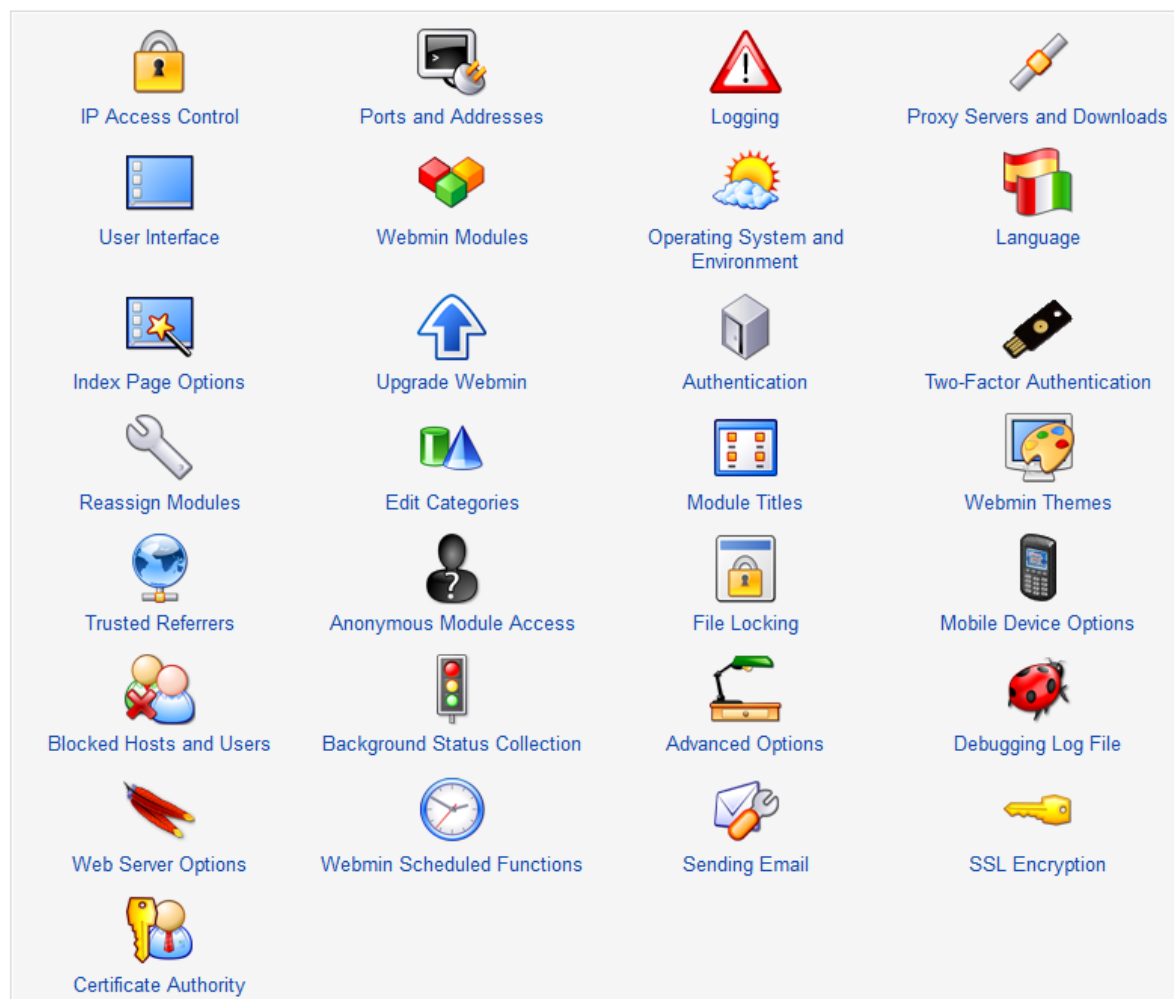
The **Webmin Configuration** module exists to allow Webmin itself to be configured, unlike most other modules that are designed to configure some other server or service. It lets you do things like change the port and Webmin uses, limit the client addresses that can connect, change the theme and language that the user interface uses and install new modules. This chapter explains how to use the module to carry out these tasks.

When you click on the module's icon in the Webmin category, the menu of icons shown in the image below will be displayed. Each of the icons can be clicked on to display a configuration page or form on which some of the Webmin settings can be changed.

Module Config

Webmin Configuration

Webmin 1.840



Start at boot time ☒ Yes ☐ No

Change this option to control whether Webmin is started at boot time or not. If it is not currently started at boot and Yes is chosen, a new init script will be created.

Restart Webmin

Click this button to re-start the Webmin server process. This may be necessary if you have recently upgraded Perl.

Refresh Modules

Re-check all Webmin modules for installed servers, and update those that appear in the 'Un-used modules' category.



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IP Access Control

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IP Access Control

The Webmin server can be configured to deny or allow access only from certain IP addresses using this form. Hostnames (like foo.bar.com) and IP networks (like 10.254.3.0 or 10.254.1.0/255.255.255.128 or 10.254.1.0/25 or 10.254.1.5-10.254.97.127) can also be entered. You should limit access to your server to trusted addresses, especially if it is accessible from the Internet. Otherwise, anyone who guesses your password will have complete control of your system.

Access control options

Allowed IP addresses

☐ Allow from all addresses ☒ Only allow from listed addresses ☐ Deny from listed addresses

localhost
172.17.2.0
192.168.178.0

☐ Include local network in list

Resolve hostnames on every request?

☐ Yes ☒ No

Trust remote IP address provided by proxies?

☐ Yes ☒ No

IP access control using TCP-wrappers is not available, as the Authen::Libwrap Perl module is not installed. [Click here](#) to have Webmin automatically install the missing Perl module.

Save

IP Access Control

By default Webmin will accept connections from any IP address. Even though it is password-protected, you should limit access to only legitimate client systems if possible, so that an attacker from outside your network cannot even attempt to login. The steps to follow to do this are:

1. Click on **IP Access Control** on the module's main page to bring up the access control form.
2. Select **Only allow from listed addresses** and enter a list of hostnames, IP addresses and networks into the adjacent text box. Networks should be entered with a netmask like *192.168.1.0/255.255.255.0*. You can allow access from an entire DNS domain by entering something like **.example.com*, but be aware that that is not totally secure as an attacker can fake reverse DNS results.
3. Normally Webmin will resolve any hostnames that you enter only once, when it first starts up. To change this check the **Resolve hostnames on every request** box, and it will convert hostnames to IP addresses for comparison for every request. This can be useful if the system you are running a browser on is frequently changing IP address, but is able to update a DNS record to match. This can happen on a network using DHCP, or if you are connected to an ISP that dynamically assigns addresses.
4. To have Webmin check the TCP-wrappers configuration files */etc/hosts.allow* and */etc/hosts.deny* as well

- when deciding whether to allow a client, turn on the ***Also check TCP-wrappers hosts.allow and hosts.deny files*** option. The service name to use when editing those files is webmin.
- Hit the **Save** button to activate the new client address restrictions.



Ports and Addresses

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Ports and Addresses

IP addresses and ports

Listen on IPs and ports	Bind to IP address	Listen on port
	Any address ▼	Specific port .. ▼ 10000
	▼	Same as first ▼

☒ Open new ports on firewall?

Accept IPv6 connections? ☐ Yes ☒ No

Listen for broadcasts on UDP port ☐ Don't listen ☒ 10000

Web server hostname ☒ Work out from browser ☐

Reverse-resolve connected IP address? ☒ Yes ☐ No

Ports and Addresses

Webmin usually listens for connections on port 10000 on all of your system's IP addresses. You may need to change the port though, perhaps because a firewall on your network only allows connections to web servers on the standard ports of 80 and 443. Because port 10000 can be used by servers run by any user, it may be possible for a malicious user on your system to wait for Webmin to be shut down and then start his own fake Webmin server on that port, which could capture the admin or root password. For this reason you may want to use a port below 1024 (which only programs run as root can listen on) instead. Changing the listening IP address can also be useful if your system has multiple network interfaces and you want to only allow connections on the interface connected to the internal LAN.

To change the port or address, do the following :

- Click on the **Port and Address** icon on the module's main page.
- To listen on only a specific interface address, select the second option in the **Listen on IP address** field and enter an IP into the text box next to it. This must be the address of one of your host's real or virtual interfaces.
- To change the port, enter a number into the **Listen on port** field.
- Hit the **Save** button to use the new settings. Your browser will be re-directed to the new port and address, and you may need to login again.



Logging

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Logging

Webmin can be configured to write a log of web server hits, in the standard CLF log file format. If logging is enabled, you can also choose whether IP addresses or hostnames are recorded, and how often the log file is cleared. When enabled, logs are written to the file `/var/webmin/miniserv.log`.

When logging is enabled, Webmin will also write a more detailed log of user actions to the file `/var/webmin/webmin.log`. This log can be viewed and analysed with the Webmin Actions Log module to see exactly what each Webmin user has been doing.

Webserver logging options

Logging active? ☒ Enable logging ☐ Disable logging

Log resolved hostnames? ☐ Yes ☒ No

Use combined log format (including referrer and user agent)? ☐ Yes ☒ No

Periodically clear log files? ☐ Yes, every hours ☒ No

Users to log Webmin actions for ☒ Log actions by all users ☐ Only log actions by ..

Modules to log Webmin actions in ☒ Log actions in all modules ☐ Only log actions in ..

Include Webmin logins and logouts in actions log? ☐ Yes ☒ No

Log changes made to files by each action? ☐ Yes ☒ No

Record all modified files before actions, for rollbacks? ☐ Yes ☒ No

Permissions for log files ☒ Default ☐

Send logged actions via email to ☒ Don't send ☐

Send email for actions in ☒ Log actions in all modules ☐ Only log actions in ..

Logging

Like most web servers, Webmin can be configured to create a log file in the standard CLF format the records every request it receives. As well, it also creates a log of actions performed by users, such as the creation of a DNS zone or the deletion of a Unix group. This actions log can even include the details of every file changed and command run by each action, so that you can see what Webmin is doing under the hood.

Basic logging is enabled by default, but you can configure it further by following these steps:

1. Click on the **Logging** icon on the main page.
2. If **Disable logging** is selected then Webmin will write no logs at all. However, you should choose **Enable logging** to activate it.
3. If the **Log resolved hostnames** box is checked the log file will contain actual client hostnames instead of IP addresses. This can cause problems if reverse DNS lookups take a long time on your network, as one will need to be done for each request.
4. To prevent the log files from becoming too large, Webmin can be configured to truncate them periodically. To enable this feature, select the **Clear logfiles every** box and enter a number of hours into the adjacent text field.
5. To limit action logging to only specific users, select the **Only log actions by** option and choose some users from the list next to it. This can be handy if most of your users can only perform tasks that you don't care much about, and you want to log only actions taken by the more powerful administrators instead.
6. To limit action logging to only specific modules, select the **Only log actions in** option and choose one or more modules from its list.
7. To enable the logging of file changes and commands run for each action, check the *Log changes made to files by each action *box. This will take up more disk space, but provides some very useful and interesting information.
8. Hit the **Save** button to activate the changes.

The Webmin Actions Log module explains how to search for and view actions once you have enabled their recording here. This can be useful for finding out who did what on your system if you have multiple administrators with access to the server.



Proxy Servers and Downloads

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Proxy Servers and Downloads

[Proxying](#) [Downloading](#)

If the host on which Webmin is running is behind a firewall of some kind, you may need to set the proxy server to use for accessing web and FTP sites. Certain modules, such as [Software Packages](#), will use these proxies when downloading files or programs.

Proxy servers

HTTP proxy ☒ None ☐

FTP proxy ☒ None ☐

No proxy for

Username for proxy

Password for proxy

Source IP address for HTTP connections ☒ Default ☐

Try direct request if proxy is down? ☐ Yes ☒ No

Save

Proxy Servers

Many Webmin modules are capable of downloading files from other FTP, HTTP and HTTPS servers. For example, the Software Packages module lets you enter a URL to fetch and install a new package from. Normally Webmin will connect directly to the host specified in the URL, but it can be configured to use a proxy server instead. This may be necessary if your network does not allow direct access to web and FTP sites, but instead forces clients to connect through a proxy.

Webmin's RPC mechanism (covered in [Webmin Servers Index](#)) also makes use of HTTP requests to other Webmin servers. Any proxy configuration will also apply to RPC calls, although not to direct TCP connections used by the RPC protocol when in fast mode or when transferring large files. Because any other Webmin servers are likely to be on the same network, you will probably want to disable the user of a proxy for those hosts.

To specify HTTP and FTP proxy servers and the hosts for which they will be used, follow these steps:

1. On the Webmin Configuration module's main page, click on the **Proxy Servers** icon.
2. If you want a proxy to be used for HTTP requests, select the second radio button in the **HTTP proxy** field and enter a full URL like `http://proxy.example.com:8080/` into the text box next to it. If **None** is chosen, no proxy will be used. This specified server will also be used for HTTPS connections by making CONNECT proxy requests, so make sure that it supports and allows them.
3. Similarly, you can enter a proxy to use for FTP downloads in the **FTP proxy** field. Usually this will be the same as the HTTP proxy.
4. To disable the use of a proxy for certain hosts, fill in the **No proxy for** field with a space-separate list of hostnames, domain names, and full or partial IP addresses. For example, you might enter `.example.com 192.168.1.` to have Webmin connect directly to hosts in that domain and network.
5. If your proxy requires clients to authenticate themselves, fill in the **Username for proxy** and **Password for proxy** fields.
6. Hit the **Save** button to have Webmin start using the new settings.

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Proxy Servers and Downloads

Proxying
Downloading

When Webmin downloads a file from a URL hosted on sourceforge, it will automatically use the mirror site based on your selection below, where possible.

Download sites

Cache downloaded files? ☒ No ☐ Yes, in cache of size bytes

Maximum time to cache files ☒ Forever ☐ days

Do caching in modules ☒ All modules ☐ Only selected .. ☐ All except selected ..

ADSL Client
Apache Webserver
Backup Configuration Files
Bacula Backup System
Bandwidth Monitoring
BIND DNS Server
Bootup and Shutdown
BSD Firewall
CD Burner
Change Language and Theme

Save
Clear Cache

Downloads



User Interface

Webmin has several settings that control the color scheme of the user interface (when using the **Old Webmin Theme**), what server host information is displayed on each page, and if the sending of feedback is allowed. You can change them by following these steps :

1. On the module's main page, click on the **User Interface** icon to bring up the interface options form.
2. The first five fields let you choose the colors to be used for various parts of the interface when using the old-style theme. For each you can either select **Default**, or enter three hexadecimal numbers for the red, green and blue components of a color. For example, *FF 88 00* would be a shade of orange. These options have no effect on the new default theme though.
3. In some themes, the title at the top of every page is rendered as an image. Because this can make the page slow to download, you can force the use of plain HTML text titles instead by changing the **Display titles as text?** field to **Yes**.
4. By default every page in Webmin shows your system's hostname and operating system in the browser status bar. To have it shown elsewhere or turn it off altogether, select one of the following options from the **Display login and hostname** menu : *At bottom of browser *The information is shown in the browser's status area, which is usually at the bottom of the window. *In browser title *The information is added to the title of each page, which usually appears in the browser window title. *Above page heading *The information is shown above the title of each page. *Nowhere *The hostname and operating system information is not shown anywhere. If you are worried about un-trusted users learning too much about your system, this is the option to choose.
5. When using the default theme, every page in Webmin has a link in the top-right corner for sending feedback to the developer. However, you may want to configure it so that feedback is sent to the master system administrator instead, so that other users can contact you. To do this, enter your email address in the **Send feedback to** field and change the *Allow sending of feedback?* field to **Only to address above**. The sending of feedback can be completely prevented by selecting **No** in the latter field instead.
6. Click on the **Save** button to activate the new user interface settings.



Webmin Modules

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Webmin Modules

Install
Clone
Delete
Export

Webmin modules can be added after installation by using the form to the right. Modules are typically distributed in .wbm files, each of which can contain one or more modules. Modules can also be installed from RPM files if supported by your operating system.

Install Module

Install from
☒ From local file

☐ From uploaded file
Geen bestand geselecteerd.

☐ From ftp or http URL

☐ Standard module from www.webmin.com

☐ Third party module from

Ignore dependencies?
☐ Yes
☒ No

Grant access to
☒ Grant access only to users and groups :
☐ Grant access to all Webmin users

Install Module

Return to Webmin configuration

Webmin modules Install/Clone/Delete/Export

As the first chapter of this book explains, Webmin is essentially collection of modules, each of which performs some task such as configuring Apache or managing Unix users. A module can be added or removed without effecting the operation of others, assuming that they do not depend upon it. Even though the main Webmin distribution includes 76 modules at the time of writing, over 100 more written by other people are available for download from the website webmin.thirdpartymodules.com. This is a searchable database of modules and themes that perform tasks the core modules do not, such as managing the FreeBSD firewall, displaying system information and connecting to a VNC server.

Installing

Once you have found a module that you like, it can be installed by following these steps:

1. On the main page, click on the **Webmin Modules** icon. This will bring to you to a page with forms for installing, cloning and deleting modules.
2. If you have already downloaded the module's .wbm file to the system on which Webmin is running, select **From local file** and enter the full path to the file into the text field next to it.
3. Alternately, if the module file is on the PC that your web browser is running on, select **From upload file** and use the Browse button to find the file on your computer.
4. If instead the module is on a web site somewhere, select ***From ftp or http URL*** and enter the full URL into the text box next to this option.
5. Webmin will normally stop a module from being installed if any other modules that it depends on are not available, or if it is written for a later Webmin release. To prevent this, check the **Ignore module dependencies when installing** box. However, this may allow the installation of a module that will not work. It will not allow you to add modules that do not support the server's operating system though.
6. To control who this new module will be granted to, select the **Grant access only to users and groups** option and enter a list of Webmin user and group names into the adjacent text box. By default only the user that you are currently logged in as is listed. Alternately you can give it to every user and group by choosing **Grant access to all Webmin users**.
7. Hit the **Install module from file** button to download (if necessary) and install the new module. If everything goes OK a page listing the modules installed and the sizes of their directories will be displayed.

Webmin comes with a script called `install-module.pl` that can be found in the installation root directory. If you have installed the RPM version, this will be `/usr/libexec/webmin` - otherwise it will be wherever the tar.gz file was extracted. This script can be used to install a module from the command line, by passing the .wbm file to it as a parameter. It will be granted only to the root or admin user if one exists, or the first account listed in the Webmin Users module otherwise.

Any of the modules currently installed, including those that comes with Webmin by default, can be deleted on the same page as well. Deleting the default modules is not a good idea though, as they will be automatically re-installed the next time you upgrade. Instead it is better to take away access that you don't want to use with the Webmin Users module. Not all modules can be deleted either, as some are depended upon by other modules (such as Running Processes). Nor is it possible to delete this module.

Deleting

To remove one or more modules, the steps to follow are:

1. Click on the **Webmin Modules** icon on the main page.
2. Scroll down to the last form on the page and select all the modules that you want to remove from the **Delete Modules** list. Clones (explained later) can be deleted as well if they are no longer needed. Deleting a module that has clones will automatically remove them as well.
3. When you hit the **Delete selected modules** button a confirmation page will be displayed showing exactly what will be removed. Or if there are some dependency problems that prevent one or more from being deleted, an error message explaining the problem will be shown instead.
4. To have access to the module taken away from all users and all access control settings returned to their defaults, check the **Remove from users and reset access control settings?** box. This can be useful if you plan to re-install the module in future and don't want it to be available to the same people that could use it before.
5. Click on **Delete** to go ahead with the module's removal. A page showing exactly which were modules deleted will be displayed, along with the number of bytes deleted for each.

Cloning a Webmin module

In some situations you may wish that you had the same Webmin module installed twice, so that each could be configured individually. This can be useful if for example you have two versions of Apache installed, perhaps one for testing and one for production. The standard Apache module can only be set up to manage one at a time, so it might appear the only way to configure both servers would be to install Webmin twice.

However, there is a solution - module cloning. A clone is a copy of an existing module that shares all of the same code, but can be configured separately, assigned to different users and have its user access control set up independently. To create a clone, follow these steps :

1. Click on the **Webmin Modules** icon on the main page.
2. Go to the second form, titled **Clone Module**, and select the original module from the **Module to clone** menu.
3. In the **Cloned module name** field enter a new name to be displayed under the clone's icon, such as *Testing Apache Server*.
4. If you want this module to appear in a different category to the original, select it from the **Assign to category** menu.
5. Hit the **Clone Module** button. The copy will be created and granted to the user you are currently logged in as, and your browser will be returned to the Webmin Configuration main page.
6. You can now go to the new module, which by default will be configured identically to the original. The **Module Config** link can then be used to set it up to use different configuration file and program paths if necessary. If you clone a module like Custom Commands or System and Server Status, any existing commands or monitors will be copied to the clone as well. You can delete them if you wish, without effecting the settings in the original module.

There are quite a few clever tricks that can be performed with cloning, such as making a new copy of the System and Server Status module that runs on a different schedule, making a copy of the Users and Groups module for managing NIS users or having multiple of the Fetchmail module for different configuration files.

Added modules after upgrade

Whenever a new module was added during (automated) upgrade, you will need to add that module to users who may access the new module.



Operating System and Environment

Webmin behaves differently depending on the operating system or Linux distribution that you have installed, and the particular version that you are running. The correct OS is always automatically detected at installation time or provided by the installer, but it is quite possible that your system may be upgraded during the lifetime of the system. If this happens, Webmin will not automatically detect the upgrade - you must tell it by following these steps:

1. Click on the **Operating System and Environment** icon on the module's main page.
2. Select your Unix vendor and version from the **New operating system** list.
3. Hit the **Save** button to have Webmin start using it.

The operating system and version detected at installation time determines the default values for module configurations, as each flavor of Unix uses different locations and formats for the various config files that Webmin manages. However, changing your OS by following the steps above will not adjust any of these configuration settings. Instead, it will just determine which ones are used for modules installed in future. Usually this is not a problem, as most OS upgrades will not change the locations of files and programs. However, some modules may need to be manually configured after an upgrade - for example, you may need to change the print system used by the Printer Administration module if the old OS version used LPRng and the new version uses CUPS.

Editing the program path and environment variables

When you run a command like `ls` from the Unix shell, the `PATH` environment variable determines the directories that your shell will search to find the actual executable, such as `/bin/ls`. Webmin also uses the `PATH` variable to locate commands that it runs when a full path is not specified, such as `webalizer` or `mysql`. By default this list of directories is set to include all of the common locations for programs on your operating system, but may be incorrect if you have installed executables in some non-standard directory such as `/usr/local/samba/bin`.

Similarly, the `LD_LIBRARY_PATH` environment variable determines where programs look for shared libraries that they need to load when run. Again, Webmin by default sets this variable to include all of the common library directories on your operating system, but it may miss some out if you have compiled and installed programs manually. A symptom of this is programs run by Webmin failing with an error message like `libmysqlclient.so.6: open failed`. A library like this might be found in `/usr/local/mysql/lib`, which is not in the default search path.

You can edit these paths and define your own environment variables that will be passed to all programs run by Webmin by following these steps:

1. Click on the **Operating System and Environment** icon.
2. Add any additional program directories to the **Program search path** field. Each directory must be separated by a `:` (colon), just as they are in the `PATH` environment variable. Existing directories should not be removed or changed though, as they may stop parts of Webmin from working.
3. Add any extra shared library directories to the **Library search path** field, again separated by colons.
4. Sometimes it is useful to have Webmin pass other environment variables to programs that it runs. For example, if you had several custom commands that connected to Oracle you might want `ORACLE_HOME` to be set appropriately before they are run. The **Additional environment variables** table allows you to define some. Just enter a name into the first empty field under **Variable name**, and a value into the field next to it under **Value**. As with most tables in Webmin, this one only displays one empty row at a time, so if you want to add more than one variable you will need to save and re-open this page.
5. When you are done setting paths and variables, hit the **Save** button to activate them.

Any program run by Webmin also has access to several variables set by the webserver itself and passed to the CGI programs that make up Webmin. For example, `REMOTE_USER` contains the name of the logged-in user, and `REMOTE_HOST` the client IP address. All HTTP headers are stored in upper-case variables starting with `HTTP_`, so a program can find information about the user's browser in the `HTTP_USER_AGENT` variable for example.



Language

Many Webmin modules have been translated into different language, such as German and Japanese. You can change the default language for all users by following the steps below, or for just a single user in the Webmin Users module. Not all of the translations are complete, so some messages and labels will still appear in English though.

1. Click on the **Language** icon on the module's main page.
2. In the form that appears, select your users' preferred language from the **Display in language** menu.
3. Some browsers (such as Opera) can request that the server display pages in a language chosen by the user. To have Webmin honor such requests if possible, change the **Use language specified by browser?** field to **Yes**. If a language is sent, it will override both the global and individual users' settings.
4. Hit the **Save** button to have Webmin switch to the new language immediately.

Many languages (such as Chinese, Japanese and Russian) use symbols not found in the standard European alphabet. To display them a special font often needs to be installed on the system running the browser that you use to access Webmin. Some Linux distributions include these fonts by default, but others do not and installing them can be rather complex.



Index Page Options

As well as general user interface settings that apply to all pages, there are some that control the layout of only the main menu on which module icons are displayed. They can be used to turn categorization off, control the display of your system's hostname and OS and have users sent directly to a module by default, among other things. These steps explain how to change the main menu settings :

1. Click on the **Index Page Options** icon on the Webmin Configuration module's main page.
2. By default, modules icons are listed four to a row. If you prefer to use a wide browser window this may be too few to make proper use of the available space. Edit the **Number of columns** field to change the number of icons in each row.
3. When the **Categorize modules?** option is set to **Yes**, icons are displayed under categories to reduce the number that appear on any one page in the main menu. Selecting **No** instead will put them all on one big page, and remove the list of categories from the top of all pages when using the default theme.

4. When a user logs in to Webmin, he will see the modules in the **Webmin** category by default. If you usually use modules in some other category, select it from the **Default category** menu.
5. When the **Show version, hostname and OS?** field is set to **Yes** as it is by default, the main menu displays your system's Webmin version, hostname and operating system. If you don't want this information to be made available to users for security reasons, select **No** instead.
6. If a Webmin user has access to only one module it makes no sense for him to see the main menu at all, as it will contain only one icon. To have such users directed immediately to their only module after logging in, change the Go *direct to module if user only has one?* field to **Yes**.
7. Click on the **Save** button to activate these new main menu settings.

Some non-standard themes may not implement all of these features, especially those that have their own main menus.



Upgrade Webmin

Module Index

Upgrade Webmin
New module grants
Update modules
Scheduled update

This form allows you to upgrade your entire webmin installation to a new version using RPM's upgrade option. You can install from a local RPM file, an uploaded file or from the latest version at www.webmin.com. Just as with a manual upgrade, all your config settings and third-party modules will be kept.

Upgrade Webmin

Upgrade Webmin from

☐ From local file

☐ From uploaded file
Geen bestand geselecteerd.

☐ From ftp or http URL

☒ Latest version from www.webmin.com

Upgrade options

☐ Check GnuPG signature on package?
☐ Upgrade even if new version is the same or older?
☐ Disconnect all other users?

Upgrade Webmin

Return to Webmin configuration

Upgrade Webmin main screen

Webmin has the ability to upgrade itself when a new version comes out, either from a file that you have already downloaded or from a package that it fetches from www.webmin.com for you. Even though it is quite possible to upgrade from the command line by installing the latest RPM or tar.gz package, doing it from within this module is even easier and less prone to error.

Webmin can only be upgraded using the same type of package that it was originally installed from. This means that if you used the tar.gz format originally, an upgrade can only be done from another tar.gz file. Similarly, an RPM install can only be upgraded from a newer RPM package. Of course, when Webmin downloads the newest version for you it will always choose the right package format.

Recent releases have the ability to check the GnuPG digital signature on the RPM and tar.gz packages to ensure that they are authentic. This can only be done if you have the gpg command installed on your system, and when using the tar.gz package only when upgrading directly from the Webmin site. Signature checking protects you from installing a fake versions of Webmin that is actually a Trojan horse or some other type of malicious program.

To upgrade Webmin, follow these steps:

1. Click on the **Upgrade Webmin** icon on the module's main page. This will take you to a page with forms for upgrading, installing updated modules and setting up the automatic install of updates.
2. The **Upgrade Webmin** form is very similar to the form for installing modules, explained in the **Installing and deleting Webmin modules** section. Select either **From local file** if the new package is already on your server system, ***From uploaded file*** if it is on the PC your web browser is running on, or ***From ftp or http URL*** to have the package downloaded from some URL. The easiest option is to choose **Latest version from www.webmin.com** to have the appropriate package downloaded automatically.
3. If Webmin on your system was installed from the tar.gz file, the **Delete old version's directory after upgrade?** box can be checked to have the old version removed after the new one is installed. Unless you want to be able to revert to the old release, this option should be enabled to save on disk space. It does not appear at all for RPM installs, as the RPM package always installs in the same directory.
4. To have the GnuPG signature on the package verified if possible, turn on the **Check GnuPG signature on package?** option. It is enabled by default if the gpg program is installed on your system.
5. Hit the **Upgrade Webmin** button to begin the upgrade. A page showing the download progress (if

necessary) and output from the new version's setup.sh script will be displayed. If you are already running a version later than the one selected to install or on www.webmin.com, an error message will be displayed instead.

The upgrade process will preserve all users and module configuration settings, and should not even be noticeable by people currently accessing your Webmin server. If you originally installed the program from the tar.gz package and did not specify a target directory like `/usr/local/webmin`, the new version will be installed in the directory 'next to' the old one. For example, if Webmin 1.060 was in `/usr/local/webmin-1.060` and you upgraded to version 1.070, it would be installed in `/usr/local/webmin-1.070`, and the old directory deleted if the `*Delete old version's directory after upgrade?* option was checked.`

Any modules that the new version includes but the old one does not will be granted to the first user listed in the Webmin Users module, which will typically be root or admin. You should check after the upgrade is complete to ensure that they have not been given to an un-trusted user instead though, as most modules by default can be used to subvert security on your system.

Installing updates to Webmin

Updated versions of Webmin modules in the latest release are often made available to fix bugs or security problems. Installing these updated modules is always a good idea, as they may fix problems that you have been having or patch security holes that could allow un-trusted users to gain root access on your system. Updates are always designed to solve problems rather than adding new features which may potentially have problems of their own.

Of course, if you are not having any trouble then you can just wait until the next full release and install it instead. Each version will always include any updates that were made available for previous versions of Webmin. Updates are only created to solve problems in the latest version, so if you are running an older version do not expect any more to be released for it.

The page <http://www.webmin.com/updates.html> lists the downloadable updates for each version of Webmin. You can retrieve any that you need from there to be installed using this module, as explained in the **Installing and deleting Webmin modules** section. However, there is an easier method - Webmin can be told to check for, download and install any updates that it does not already have. This can either be done explicitly using this module, or set up to happen on schedule.

To check for and install updates, follow these steps :

1. Click on the **Update Webmin** icon on the Webmin Configuration module's main page.
2. Scroll down to the second form, headed **Upgrade modules now**.
3. Select the **Update from www.webmin.com** option. The alternate **Update from another source** mode is only useful if running your own repository of new modules, which is not covered in this book.
4. If you just want to see what updates are needed without actually installing them, check the `*Only show which modules would be updated *box`. Otherwise, un-check it so that updates are actually done.
5. If you have deleted some of the standard Webmin modules and don't want them to be re-installed by the update process, de-select the **Install modules that are not currently installed** option.
6. Hit the **Update Modules** button. A page listing all updates for your operating system will be displayed, along with the problems that they fix. As long as the box in step 4 was not checked, the progress of each needed module's download and the results of its installation will be shown as well. As well, if a new version of Webmin is available a message will appear at the end of the page informing you. Because module updates are only released for the latest version, it is advisable to upgrade the entire program as soon as possible.

Every Webmin module has a version number, which the update process uses to keep track of which ones it has already downloaded and installed. A message like **Module cron is already up to date** shown next to a potential update indicates that it has already been installed. A message like `*Update to module cron is not related to this OS*` means that the module does not support your operating system, or that the problem that the update fixes does not occur on your OS.

Scheduled updates

Instead of manually following the steps above every now and then, you can configure Webmin to check for, report on and install new modules on schedule. When needed updates are found, an email can be sent to you listing the modules that should be or have been installed and the problems that they fix. As well the email will include notification of the availability of a new Webmin release, if there is one.

To enable automatic updates, follow these steps :

1. Click on the **Update Webmin** icon and scroll down to the final form on the page, titled **Update modules on schedule**. \# Check the **Scheduled updating currently enabled** box. # Unless you run your own repository, select **Update from www.webmin.com**.
2. The **Update modules at** field specifies the time of day that the scheduled update check is run. Typically you should enter something like `_3_` to have updates done at 3 am, assuming that your system is turned on at that time. The **every** field next to it sets the number of days between checks. For example, if you enter `_1_` then updating will be done only every third day. 1 or 2 days is usually a reasonable period.

3. If the **Only show which modules would be updated** option is enabled, a reporting only showing which modules need updating will be sent out on schedule. This can be useful if you want to be reminded of new modules, but install them yourself to control which updates are used.
4. The **Install modules that are not currently installed** option has exactly the same meaning as in the **Update modules now** form, and generally does not need to be enabled.
5. If **Only report updates** is checked, an email report will not be sent if no needed updates are available and no new version of Webmin has been released. This is usually what you want, as it cuts down on the number of unnecessary email messages.
6. In the **Email update report to** field enter the address to which the update report should be sent. If it is left empty automatic checking will still be done, just not reported. Email is always sent by calling the sendmail program, the path to which is taken from the Sendmail Configuration module's configuration.
7. Hit the **Save and Apply** button to enable scheduled updating. A Cron job (covered in chapter 10) will be created, which you can see in the Schedule Cron Jobs module, but should not touch.

Automatic updating can be turned off at any time by de-selecting the **Scheduled updating currently enabled** box on this form and clicking on **Save and Apply**.

If webmin was installed using `yum` or `apt-get` and updating is enabled, `yum/apt-get` will update webmin on similar schedule as other components.

Added modules after upgrade

Whenever a new module was added during (automated) upgrade, you will need to add that module to users who who may access the new module.



Authentication

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Authentication

When enabled, password timeouts protect your Webmin server from brute-force password cracking attacks by adding a continuously expanding delay between each failed login attempt for the same user.

Authentication and session options

Password timeouts ☐ Disable password timeouts
☒ Enable password timeouts

Failed login blocks ☒ Block hosts with more than failed logins for seconds.
☐ Block users with more than failed logins for seconds.
☐ Also lock users with failed logins

Authentication type ☐ Disable session authentication
☒ Enable session authentication

Authentication options ☐ Auto-logout after minutes of inactivity
☒ Offer to remember login permanently?
☐ Show real hostname instead of name from URL?
☐ Record logins and logouts in Utmp?

Pre-login banner ☒ No pre-login page
☐ Show pre-login file

Local authentication ☒ Always require username and password
☐ Allow login without password for matching users from localhost

Password source ☒ Use PAM for Unix authentication, if available
☐ Never use PAM for Unix authentication

Password options ☐ Support full PAM conversations?
☐ Pass on PAM status to other modules?
 If PAM is unavailable or disabled, read users and passwords from file columns
 and

Expired password change ☒ Change expired passwords via PAM
☐ Change passwords with command:

Password expiry policy ☒ Always deny users with expired passwords
☐ Always allow users with expired passwords
☐ Prompt users with expired passwords to enter a new one

External squid-style authentication program

Password hashing format ☐ Use standard Unix crypt encryption for Webmin passwords
☒ Use MD5 encryption for Webmin passwords (allows long passwords)

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Authentication

Webmin has several options that control how multiple failed login attempts are handled, how users login and how Unix passwords are checked. The default authentication method uses cookies, but if your browser cannot handle them you may want to switch to basic HTTP authentication instead. The only problem with this method is that there is no way to properly log out, as there is no support for logging out in the HTTP protocol. However, it sometimes must be used - for example, browsers on MacOS X cannot load applets (such as the ones in the File Manager and SSH/Telnet Login modules) from web servers using cookie authentication.

To configure authentication for Webmin, follow these steps:

1. Click on the **Authentication** icon on the module's main page to bring up the authentication form.
2. When **Enable password timeouts** is selected, Webmin will detect multiple failed login attempts from the same IP address and lock that host out for a configurable amount of time. This feature should always be turned on, as it stops attackers using millions of login attempts to guess passwords on your system. The **Block hosts with more than** field specifies the number of login attempts allowed from a single host before blocking is triggered, while the **failed logins for** field sets the number of seconds that a host is blocked for. The defaults are reasonable, but you can increase the timeout if you are feeling paranoid.
3. When ***Log blocked hosts, logins and authentication failures to syslog*** is selected Webmin will send messages to the system logs (covered in chapter 13) when a user logs in, logs out or enters an incorrect password. All messages are sent with the authpriv facility. You should leave this option turned on, so that

suspiciously large numbers of login failures can be detected.

4. When **Enable session authentication** is selected, Webmin will use its own login form to ask users for a username and password, and set a cookie after the login is complete to identify authenticated clients. To switch to normal HTTP authentication, select **Disable session authentication** instead.
5. When using session authentication, Webmin can be configured to automatically log users out if they have been inactive for more than a certain amount of time. To enable this, check the **Auto-logout after** box and enter a number of minutes into the text field next to it. This feature and the next three are not available when using HTTP authentication.
6. When **Offer to remember login permanently?** is checked (as it is by default), the login form will include a check box for permanently remembering the login. When selected, the cookie sent to the user's browser will be marked to indicate that it should be saved even if the browser is shut down and re-run later. This is convenient because it means that the user will not have to login to Webmin again, but you may consider it a security risk. If so, un-checking this box will remove the remember option from the login form.
7. By default the login page includes the hostname from the URL in the message above the username and password fields. To hide it, de-select the **Show hostname on login screen?** box.
8. Some people like to have a welcome message shown on the login page the first time a user accesses it, perhaps giving information about the server or telling unauthorized people to go away. To enable this on your system, first create an HTML page containing the message that you want to appear. Then select ***Show pre-login file*** and enter the full path to the HTML file in the text field. After a user reads it he must re-load or re-visit the page (perhaps by following a link in the page itself) to force the real login form to appear.
9. Webmin can automatically authenticate connections from localhost by determining which Unix user is making the connection, and checking to see if a Webmin user of the same name exists. To enable this, select ***Allow login without password for matching users from localhost***. If you run a browser as root on the same system as Webmin runs on and have a Webmin user called root, this feature allows you to access the URL `http://localhost:10000/` and be logged in without needing to enter a username and password. It is convenient, but potentially insecure if an attacker can trick a program (such as Squid) into connecting to that URL, which would grant access to Webmin as the user that the program runs as. For this reason, ***Always require username and password*** is selected by default.
10. When the **Unix authentication** option is selected for a user in the Webmin users module, his password can be checked by using PAM or by reading the Unix password file directly. If the **Use PAM for Unix authentication, if available** option is selected and the `Authen::PAM` Perl module installed, Webmin will attempt to use PAM to validate the user. However, on Linux this will only work if the `/etc/pam.d/webmin` service file is set up correctly. This file is included in the RPM package of Webmin though. If your operating system does not support PAM, if the Perl module is not installed or if the ***Never use PAM for Unix authentication*** option is selected, Webmin will fall back to directly reading the password file. This is more reliable, but will not prevent the use of passwords that are marked as expired. The ***read users and passwords from file*** fields specify the file to get passwords from and the columns to use for the username and password, but should rarely need to be changed as they are set by default to match your operating system. Because Webmin will use PAM where it can or read the appropriate password file if PAM is not available, the fields covered in this step should not need to be changed.
11. The **External squid-style authentication program** field can be used to enter the full path and parameters to a program that validates passwords. If it is filled in, the option ***External authentication program*** will appear in the **Password** menu for a user in the Webmin Users module, indicating that the user's password should be checked using this command. The program must behave exactly like a Squid's external authenticator, covered in the **Setting up proxy authentication** section of of Squid Proxy Server.
12. Finally, hit **Save** at the bottom of the form to activate the new authentication settings for subsequent logins.



Two factor Authentication

Two-factor authentication can be used to add an extra layer of security to a Webmin account, as well as the regular username and password. When enabled, a user will need to provide an extra authentication token which typically comes from a smartphone app, hardware OTP generator or SMS.

This page allows you to select an authentication provider for Webmin users on your system. Once enabled, each user can then enroll for two-factor in the Webmin Users module. The available two-factor providers are:

Authy

This is a commercial service that provides a smartphone app and website for managing two-factor users. Each user must create an account on Authy's website and link it to their smartphone.

Google Authenticator

This is a smartphone app that implements the standard TOTP protocol. Each user must scan a QR code using the app to link their tokens with the Webmin server.



Edit Categories

Every Webmin module has a category that controls where it appears on the module's main menu. You can create

your own categories and move modules from their default locations into your own or existing categories, which can be useful if you don't like the default arrangement, or want to put everything into one huge category.

To create new categories or re-name existing ones, follow these steps:

1. Click on **Edit Categories** on the module's main page to display the category editing page.
2. To add a category, scroll down to the bottom of form. In the first empty field under **ID** enter a unique internal name for your new category, such as *stuff*. Then in the field next to it under **Displayed description** enter the name that will appear in Webmin, such as *Thirdparty*. Existing categories that you have added can be edited by changing the fields in this section as well. However, you should not change the entries in the **ID** column, as they are used internally to associate modules with categories. The ID is never visible to users anyway - only the displayed description is.
3. To change the name of one of the default categories displayed at the top of the form, select the second radio button next to it and entering a new description into the text box to the right. If **Default** is chosen, the standard name determined by the current language will be used.
4. Hit the **Save Categories** button at the bottom of the form to activate the new categories. You can now move modules into any that you have created.

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Edit Categories

Edit categories in language: <Default> [Change](#)

This form allows you to rename the existing Webmin categories and create new ones to assign modules to. The top part of the table is for changing the descriptions of the built-in categories, while the bottom part is for adding new category IDs and descriptions.

ID	Displayed description
servers	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
cluster	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
webmin	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
other	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
net	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
syslet	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
info	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
system	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
hardware	<input checked="" type="radio"/> Default <input type="radio"/> Custom <input type="text"/>
<input type="text"/>	<input type="text"/>

[Save Categories](#)

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Edit Categories



Reassign Modules

To change the categories that modules appear in, do the following:

1. Click on the **Reassign Modules** icon on the main page.
2. The page that appears lists every installed Webmin module and the category it is currently in. For each module that you want to move, select a new category from the menu next to its name.
3. Click on the **Change Categories** button at the bottom of the page to move the modules.

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Reassign Modules

This form allows you to configure which category each module is displayed under on the Webmin index page.

Module category assignments

ADSL Client	Networking ▾	Apache Webserver	Servers ▾
BIND DNS Server	Servers ▾	Backup Configuration Files	Webmin ▾
Bacula Backup System	System ▾	Bandwidth Monitoring	Networking ▾
Bootup and Shutdown	System ▾	CD Burner	Hardware ▾
CVS Server	Servers ▾	Change Language and Theme	Webmin ▾
Change Passwords	System ▾	Cluster Change Passwords	Cluster ▾
Cluster Copy Files	Cluster ▾	Cluster Cron Jobs	Cluster ▾
Cluster Shell Commands	Cluster ▾	Cluster Software Packages	Cluster ▾
Cluster Usermin Servers	Cluster ▾	Cluster Users and Groups	Cluster ▾
Cluster Webmin Servers	Cluster ▾	Command Shell	Others ▾
Configuration Engine	Cluster ▾	Custom Commands	Others ▾
DHCP Server	Servers ▾	Disk Quotas	System ▾
Disk and Network Filesystems	System ▾	Dovecot IMAP/POP3 Server	Servers ▾
Fail2Ban Intrusion Detector	Networking ▾	Fetchmail Mail Retrieval	Servers ▾
File Manager	Others ▾	Filesystem Backup	System ▾
Filter and Forward Mail	Cluster ▾	Frox FTP Proxy	Servers ▾
GRUB Boot Loader	Hardware ▾	HTTP Tunnel	Others ▾
Heartbeat Monitor	Cluster ▾	IPsec VPN Configuration	Networking ▾
Initial System Bootup	System ▾	Jabber IM Server	Servers ▾
Kerberos5	Networking ▾	LDAP Client	System ▾
LDAP Server	Servers ▾	LDAP Users and Groups	System ▾
Linux Bootup Configuration	Hardware ▾	Linux Firewall	Networking ▾
Linux RAID	Hardware ▾	Log File Rotation	System ▾
Logical Volume Management	Hardware ▾	MIME Type Programs	System ▾
MON Service Monitor	System ▾	Majordomo List Manager	Servers ▾
MySQL Database Server	Servers ▾	NFS Exports	Networking ▾
NIS Client and Server	Networking ▾	Network Configuration	Networking ▾
Network Services	Networking ▾	Network Services and Protocols	Networking ▾
OpenSLP Server	Servers ▾	PAM Authentication	System ▾
PHP Configuration	Others ▾	PPP Dialin Server	Networking ▾
PPP Dialup Client	Networking ▾	PPTP VPN Client	Networking ▾
PPTP VPN Server	Networking ▾	Partitions on Local Disks	Hardware ▾
Perl Modules	Others ▾	Postfix Mail Server	Servers ▾
PostgreSQL Database Server	Servers ▾	Printer Administration	Hardware ▾
ProFTPD Server	Servers ▾	Procmail Mail Filter	Servers ▾
Protected Web Directories	Others ▾	QMail Mail Server	Servers ▾
Read User Mail	Servers ▾	Running Processes	System ▾
SMART Drive Status	Hardware ▾	SSH Login	Others ▾
SSH Server	Servers ▾	SSL Tunnels	Networking ▾
Samba Windows File Sharing	Servers ▾	Scheduled Commands	System ▾
Scheduled Cron Jobs	System ▾	Security Sentries	System ▾
Sendmail Mail Server	Servers ▾	Shoreline Firewall	Networking ▾
Shorewall6 Firewall	Networking ▾	Software Package Updates	System ▾
Software Packages	System ▾	SpamAssassin Mail Filter	Servers ▾
Squid Proxy Server	Servers ▾	Squid Report Generator	Servers ▾
System Documentation	System ▾	System Logs	System ▾
System Logs NG	System ▾	System Time	Hardware ▾
System and Server Status	Others ▾	TCP Wrappers	Networking ▾
Text Login	Others ▾	Upload and Download	Others ▾
Usermin Configuration	Webmin ▾	Users and Groups	System ▾
Voicemail Server	Hardware ▾	WU-FTP Server	Servers ▾
Webalizer Logfile Analysis	Servers ▾	Webmin Actions Log	Webmin ▾
Webmin Configuration	Webmin ▾	Webmin Servers Index	Webmin ▾

Webmin Users	Webmin	iSCSI Client	Hardware
iSCSI Server	Hardware	iSCSI TGTd	Hardware
iSCSI Target	Hardware	idmapd daemon	Networking

[Change Categories](#)

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Reassign Modules



Module Titles

If you don't like the the titles available (because they are too long or find them misleading) you may alter them at wish:

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Module Titles

This page allows you to specify alternate titles for Webmin modules, to override their standard descriptions.

Module	New title
Change Language and Theme	Language and Theme
Samba Windows File Sharing	Samba Server

[Save](#)

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Module Titles



Webmin Themes

A theme is an extension to Webmin (much like a module) that controls how its interface appears. The currently active theme determines if and how the categories at the top of each page are displayed, what page background is used, what icons each module has, how titles appear and how each page ends. By changing themes you can significantly change the look of Webmin without effecting its functionality. Several themes are included by default, and you can install more that have been written by other developers.

Like the language, you can set the theme for all logins in this module, or override it for a specific user in the Webmin Users module. The steps to change the theme for everyone are :

1. Click on the **Webmin Themes** icon on the module's main page. This will take you to a page for changing themes, installing a new theme and deleting existing ones.
2. Select the theme to use from the **Current theme** menu. Those included as standard with Webmin are : *Old Webmin Theme *The very simple theme that the first versions of Webmin used before theming was added. If you find the default too slow, this may be a better alternative as it uses less images. *Caldera Theme *An improved layout that uses frames to place categories and module icons at the top, and actual forms and pages down the bottom. *MSC.Linux Theme *The current default Webmin theme. *MSC.Linux Mini Theme *A modified version of the default theme, designed for use on small-screen devices such as PDAs.
3. Hit the **Change** button to activate the chosen theme.

New themes developed by other people can also be added to Webmin, and several are available for download from www.webmin.com/third.html.

To install a theme, follow these steps :

1. Click on the **Webmin Themes** icon on the module's main page.
2. Select the theme's file using the second form. Just as when installing a module, you can choose to install a theme from a file on the system running Webmin, the PC your browser is on, or an HTTP or FTP URL.
3. Hit the **Install Theme** button to have it downloaded (if necessary) and installed.

The final thing that you can do on this page is delete one of the installed themes. The **Old Webmin Theme** cannot be deleted as it is built into the program, and the other standard themes should not be as they will be added again if you upgrade to the next version. To delete a theme that you have installed, follow these

instructions:

1. Click on the **Webmin Themes** icon on the module's main page.
2. Select the one to remove from the **Theme to delete** menu at the bottom of the page. If that menu does not appear it means that all installed themes are in use either by an individual user or for everyone.
3. Hit the **Delete** button to bring up a confirmation page asking if really want to go ahead.
4. Click on **Delete** again to remove the theme.



Trusted Referrers

One danger when using a web-based administration interface like Webmin is that a link from another website may point to a program on your Webmin server. For example, a malicious site could include HTML code like :

```
<a href="http://localhost:10000/proc/run.cgi?cmd=rm+*">click me</a>
```

Clicking on this harmless-looking link would cause Webmin's Running Processes module to run a command that deletes files on your system! Assuming that you have already logged into Webmin, no password would be required. Worse still, a similar URL could be used in an `` tag for an image, which is fetched automatically by your browser as soon as you open a page that seems innocuous.

Fortunately, there is a solution - most browsers send the full URL of the page that a link came from in their HTTP requests. By default, Webmin compares the hostname in this URL with the one used to access the current page, and displays a warning if they do not match. This blocks links from other web sites to your Webmin server, except for those that do not specify a program, such as `http://localhost:10000/cron/`, and are thus harmless.

Sometimes though you will want to allow such links, such as from an internal Intranet webserver that you maintain and trust. For this reason Webmin can be configured to allow links where the referrer is from a list of trusted hosts. These steps explain how :

1. Click on the **Trusted Referers** icon on the module's main page.
2. To turn off referrer checking entirely (which is not a good idea), change the **Referer checking enabled?** field to **No**.
3. To allow links from certain hosts, fill in the **Trusted websites** field with a list of hostnames, such as `intranet.example.com`.
4. In some cases the browser will not provide any referrer information at all, possibly because it does not support that HTTP feature. **When the Trust links from unknown referers** box is checked, Webmin will allow requests in this case. If you are paranoid and know that your browser always does supply referrer information, turn this option off.
5. Hit the **Save** button to activate the settings.

Webmin does not simply deny links from un-trusted sites. Instead, it displays a warning and gives the user a chance to continue with the link. This warning form contains a checkbox labeled `*Don't show this warning in future*`, which if selected effectively changes the **Referer checking enabled?** field to **No**.



Anonymous Module Access

It is possible to set up certain Webmin modules so that they can only be used to view information, or to execute harmless commands. For example, the System and Server Status module's access control features can be set to give a user read-only access, letting them see which monitors are up and which are down. Or the Custom Commands module can be configured for some user to let him only run commands that display information.

The anonymous access feature of this module lets you grant access to certain modules to clients without them needing to login at all. Such clients will be treated as a specified Webmin user, and thus have only the rights that you grant to that user. However, they will never need to supply its username and password when accessing allowed modules on your system. This can be useful for making certain information (such as the server status display) available to everyone on your network, without needing to tell them a username and password. However, it should be used with extreme care, as granting anonymous access as a powerful user could compromise your entire system.

To set up unauthenticated access to some modules, follow these steps :

1. First, use the Webmin Users module to create a user, called *anonymous* for example, who has the modules and access control settings that you want to give to unauthenticated clients. Its password can be set to **No login allowed**, as this user will never login conventionally. The user should be given the **Old Webmin Theme**, to minimize the number of image directories that you will need to allow access to later.
2. Then in the Webmin Configuration module, click on the `*Anonymous Module Access*` icon.
3. The form that appears contains a table with two columns, and initially two empty rows. Each row specifies a

URL path on your server to allow unauthenticated access to, and a Webmin user* that requests to that path should be treated as. In the first row enter `/images` for the path and `anonymous` for the user, so that the directory containing Webmin's title images can be accessed by unauthenticated clients. In the second row enter the path for the module that you want to allow (such as `/status`), and `anonymous` as the user again. Never enter a path of `/`, as it will allow unauthorized access to your entire Webmin server! The path to a specific CGI program (such as `/custom/run.cgi`) may make sense in some cases.

4. Hit the **Save** button to turn on anonymous access. If you want to allow more than two URL paths, click on the icon again so that the table is re-displayed with two more empty rows.

If a user who has already logged visits a module that has been allowed anonymous access with the steps above, Webmin will still identify him correctly as the logged-in user.



File Locking

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File Locking

By default, Webmin will obtain a lock on any file that it modifies in order to prevent concurrent modification by multiple processes, which could lead to file corruption. This page allows you to selectively or totally disable locking if it is causing problems.

File locking settings

☒ Lock all files
☐ Never lock files
☐ Only lock files and directories ..
☐ Lock all files and directories except ..

Save

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File Locking



Mobile Device Options

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Mobile Device Options

Options for mobile browsers

Theme for mobile browsers

Force use of HTTP authentication? ☐ Yes ☒ No

Additional user agents for mobile browsers

URL hostname prefixes for mobile browsers

Save

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Mobile Device Options



Blocked Hosts and Users

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Blocked Hosts and Users

No hosts or users are currently blocked by Webmin.

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Blocked Hosts and Users



Background Status Collection

[Module Index](#)

Background Status Collection

Status collection job settings

Collect system status in background? ☐ Never ☒ Every minutes

Collect available package updates? ☒ Yes ☐ No

Collect drive temperatures? ☒ Yes ☐ No

Units for temperatures ☒ Celsius ☐ Fahrenheit

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Background Status Collection



Advanced Options

[Module Index](#)

Advanced Options

Advanced and experimental options

Temporary files directory ☒ Default (/tmp/.webmin) ☐

☐ Clear temp files in non-standard directory?

Maximum age of temporary files ☐ Unlimited ☒ days

Per-module temporary directories

Module	Directory
<input type="text"/>	<input type="text"/>

Pre-load Webmin functions library? ☒ Yes ☐ No

Text files to pre-cache? ☐ None

☒ English language text files

☐ Files matching shell patterns

Umask (unset permission bits) for created files ☒ Default ☐

Allow modification of immutable files? ☐ Yes ☒ No

CPU priority for scheduled jobs ☒ Default ☐ Priority level

IO class for scheduled jobs

IO priority for scheduled jobs

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Advanced Options



Debugging Log File

[Module Index](#)

Debugging Log File

Webmin debug log file options

Debug log enabled?

☐ Yes ☒ No

Events to log

☐ Scripts starting and stopping
☐ Files opened for reading
☐ Files opened for writing
☐ Other file operations
☐ Operations on processes
☐ Configuration file diffs
☐ Commands executed
☐ Network connections made
☐ SQL executed

Debugging log file

☒ Default (/var/webmin/webmin.debug) ☐

Maximum size for log file

☒ Default (10 MB) ☐ bytes

Script types to debug

☒ Web interface CGIs ☒ Command line ☒ Background jobs

Modules to write debug logs for

☒ Log actions in all modules ☐ Only log actions in ..

ADSL Client
Apache Webserver
BIND 4 DNS Server
BIND DNS Server
BSD Firewall

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Debugging Log File



Web Server Options

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Web Server Options

Options for Webmin's built-in webserver

Client-side cache time for static files

☒ Webmin default (7 days) ☐ Time in seconds

Client-side cache times based on URL path

Path regular expression	Cache time in seconds
<input type="text"/>	<input type="text" value="86400"/>

Show stack trace for error messages?

☐ Yes ☒ No

Show Perl errors in browser?

☒ Yes ☐ No

Gzip compress static files?

☒ Only if pre-compressed .gz file exists ☐ Never ☐ Use pre-compressed file and compress dynamically

URL format for redirects

☐ Path only ☒ Protocol, host, port and path

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Web Server Options



Webmin Scheduled Functions

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Webmin Scheduled Functions

Webmin module	Function name	Parameters	Run at
<input type="checkbox"/> Scheduled Cron Jobs	cleanup_temp_files		Every 3600 seconds
<input type="checkbox"/> System Status	scheduled_collect_system_info		Every 300 seconds

Delete Selected Functions Run Selected Functions Now

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Webmin Scheduled Functions



Sending Email

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Sending Email

This page controls how Webmin sends email, such as from scheduled backups or background monitoring. It also effects email sent using the Read User Mail module.

Mail sending options

Local mail server

Mail server: Postfix

Send email using

☒ Local mail server command

☐ Via SMTP to local mail server

☐ Via SMTP to remote mail server

☐ Use SSL encryption?

☒ Use default port ☐ Use port number

SMTP server authentication

☒ Don't authenticate

☐ Login as with password

SMTP authentication method

Default (currently Cram-MD5) ▼

From address for email from Webmin

☒ Default (webmin@virtual.fritz.box)

☐ Address

Save

This form can be used to send a test email with the settings above, to ensure that mail is being delivered correctly.

Send test message

Send message to

Message subject

Test email from Webmin

Message contents

This is a test message from Webmin, sent with the settings :

Mail server: Mail server: Postfix
Sent via: Local mail server
SMTP login: None
SMTP authentication: Default

Send Email

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Sending Email



SSL Encryption

The **SSL Encryption** page in this module can be used to turn on or off SSL mode or to generate another new key, all of which is explained in Securing Webmin. Free certificates can be obtained using Let's Encrypt.

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SSL Encryption

[SSL Settings](#)[Current Certificate](#)[Per-IP Certificates](#)[Self-Signed Certificate](#)[Certificate Signing Request](#)[Upload Certificate](#)[Let's Encrypt](#)

The host on which Webmin is running appears to have the SSLeay Perl module installed. Using this, Webmin supports SSL encrypted communication between your browser and the server. If you are accessing your Webmin server over the Internet, then you should definitely consider using SSL to prevent an attacker capturing your Webmin password.

Warning - only turn on SSL support if you have a browser that supports SSL, and there is no firewall blocking **https** requests between your browser and the Webmin host.

SSL support

Enable SSL? ☒ Yes ☐ NoPrivate key file Certificate file ☒ Same file as private key☐ Separate file Redirect non-SSL requests to SSL mode? ☐ Yes ☒ NoSSL protocol version ☒ Detect automatically ☐ SSL protocol versions to reject ☒ SSLv2 ☒ SSLv3 ☐ TLSv1.0 ☐ TLSv1.1 ☐ TLSv1.2Allow compressed SSL connections? ☒ Yes ☐ NoForce use of server-defined cipher order? ☐ Yes ☒ NoAllowed SSL ciphers ☒ Detect automatically☐ Only strong PCI-compliant ciphers☐ Only strong ciphers with perfect forward secrecy☐ Listed ciphers Additional certificate files
(for chained certificates)

SSL Encryption main page



Certificate Authority

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Certificate Authority

Your Webmin server is already setup as a certificate authority. You can use this form to set it up again, but any certificates already issued to users will no longer work.

Create new CA certificate

Authority name

Email address

Department

Organization

State

Country code

RSA key size ☒ Default (2048) ☐ bits

[Setup Certificate Authority](#)

The CA certificate this server is using is displayed below. You may change it by pasting in the certificate from another CA, but any certificates already issued to users will no longer work.

Edit CA certificate

```
-----BEGIN CERTIFICATE-----
MIIEGzCCAaOgAwIBAgIJAPqvCj6mf/EzMA0GCSqGSIb3DQEBBQUAMGYxCzAJBgNV
BAYTAk5MMRcwFQYDVQQKEw5NdXN5cyBTb2Z0d2FyZTENMA5GA1UECXMZY2VydDER
MA8GA1UEAxMITXVzeXMgQ0ExHDAaBgkqhkiG9w0BCQEWdW1cnRabXVzeXMubmww
HhcNMTUwNDEyMTQ1NDM2WncNMjAwNDEwMTQ1NDM2WjBmMQswCQYDVQQGEwJOTDEX
MBUGA1UEChMOTXVzeXMgQ0ExHDAaBgkqhkiG9w0BCQEWdW1cnRabXVzeXMubmww
CE11c3lzlENBMRwwGgYJKoZIhvcNAQkBFg1jZXJ0QG11c3lzlM5sMIIBIjANBgkq
hkiG9w0BAQEFAAOCAQ8AMIIBCgKCAQEAmVxz2v1KeWfY12x4uvK0sSMsf1f/DhZj
DkAmGyn9e5i19syVF8OvfOeNsJwF8JVqcPKDTL+U17gIR/B6pvBbqtgRmyTgDE/m
lTEmCfKPiCZKITmCa008UURV7s163tESAJ4EjxFGirGR2ehcVXEwiVaC9GFrMCZx
SNBXY6cs/oAAKTyb//o7JZHucvIzG7iHta8bxx31tDONqHR1TdHYVpHh1YNsRfT
8IaHEju10DoSI1fxoLmvsSH662wVjhAXC18C3VTLH6zZG+hCoA9VViRZ2L4cd+YX
C68Rm1F6DDkt64o1fJ6Wq2QIyek2m4AhULm7dQJmuERZbH2n452zsQIDAQABo4HL
MIHIMB0GA1UdDgQWBbTb21IiqdCInubhe1RsbJ7NAKcGNTCBmAYDVR0jBIGQMIGN
gBTb21IiqdCInubhe1RsbJ7NAKcGNaFqpGgwZjELMAkGA1UEBhMCTkwxFzAVBgNV
BAoTDk11c3lzlFNvZnR3YXJ1MQ0wCwYDVQQLEwRjZXJ0MREwDwYDVQQDEwhNdXN5
cyBDQTEcMB0GCSqGSIb3DQEJARYNY2VydEBtdXN5cySubI1JAPqvCj6mf/EzMAwG
A1UdEwQFMAMBAf8wDQYJKoZIhvcNAQEFBQADggEBADYsGcDLYbtY+VFmYIWuIVmy
MN3Rq4Si22KUUUcyi5i2XLMuj0Qx32swU2uE9JkyVvTtIo1x83E+AI4t7idOUzmU
870F1PdjoaE8w5dHM8iDs72mdFKOTSub/gD1S1gT9H+tAas0+Y1izHXI5K4iK+5
13q/q+VgbaTECN6eIPfQAx4sKcXDopaRSfNkYwy9Po1/rdnj6heNKKb5kqhme31
```

[Save](#)

[Shutdown certificate authority](#) Click this button to stop Webmin from accepting existing certificates or issuing new ones. This will force users to use username and password authentication instead.

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Webmin Certificate Authority

As the Webmin Users page explains, the Webmin Users module can be used to request a client-side SSL certificate for a user. However, before this is possible you must set up your system as a certificate authority, or CA. An authority is basically just an SSL certificate that can be used to sign other newly issued client certificates, and to verify that those supplied by clients come from this CA.

Because client SSL authentication can only be used in SSL mode, Webmin must be running in that mode and thus have the openssl command installed before you can proceed. Once these requirements have been satisfied, follow these steps to set up a CA:

1. Click on the **Certificate Authority** icon on the module's main page to bring up a form for entering the new CAs details.
2. In the **Authority name** field enter the name of the person issuing certificates, such as *Network administrator*.
3. In the **Email address** field enter the address of the administrator for this server, such as *bob@foo.com*.
4. In the **Department** field enter the subdivision of your organization that the server is in, such as *Accounting*. This can be left blank if it makes no sense, such as for a home server.
5. In the **Organization** field enter the name of your company or organization, such as **Foo Corporation**. Again, this may not make sense in all cases and so can be left blank.
6. Fill in the **State** field with the name of the state your server is in, such as *California*.
7. Fill in the **Country** code field with the two-letter upper-case code for your country, such as *AU*.

8. Click on the **Setup certificate authority** button to generate the CA certificate and configure Webmin to use it. If you have done this before, any existing certificate will be overwritten.
9. Webmin users can now generate personal certificates using the Webmin Users module. Unfortunately, the web server will request that all clients supply a certificate as soon as one user has one, which can cause annoying dialog boxes to appear to people who are still using username and password authentication in some older browsers.

To stop using a CA for validating clients altogether, hit the **Shutdown certificate authority** button on the same page. All users will be forced to revert to username and password authentication instead.

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Category: Webmin

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