



## 1. *Webmin* Implementation Guide

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## 2. Introduction

**Webmin** is a piece of software that is intended to make UNIX system management easier. It is accessed via a web browser and is presented as a set of web pages. The software consists of:

- A password-protected web server.
- A set of Common Gateway Interface (**CGI**) scripts that are organised into Modules.

This Implementation Guide covers the steps you need to complete in order to make **Webmin** available for administration tasks on your **Talis** machine. Reference sections on how to stop and start **Webmin**, and brief descriptions of the function of the modules are also included.

Once the software has been installed, security configuration and user configuration must take place so that **Webmin** is only available to authorised users from authorised locations.

### 2.1 Webmin Modules

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Each Module is intended to manage a single service or system administration function. Modules are grouped together under one of four headings, according to the purpose of the Module:

- “**Webmin**”.
- “**System**”.
- “**Servers**”.
- “**Other**”.

**Note:** There is no equivalent “Tutor” environment for **Webmin**. Thus changes made through **Webmin** are always “for real”. This should be borne in mind when familiarising yourself with the operation of **Webmin**.

### 2.2 Prerequisites

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**Webmin** requires Perl Version 5.005. **Webmin** will not install unless this is present.

### 3. Configuring Security

When **Webmin** is first installed, it allows access from any IP address. Therefore, as soon as possible after installing you should restrict access to appropriate IP addresses (such as your own PC). To do this, connect to **Webmin** on your machine by pointing your browser at the URL specified at the end of the **Webmin** installation. Typically this will be something like:

`http://yourmachine.network:10000/`

- a) Log in using the user name and password that you supplied when you installed **Webmin**. You will be presented with the Main Menu screen shown in *Figure 1: Webmin Modules (Main Menu)*.

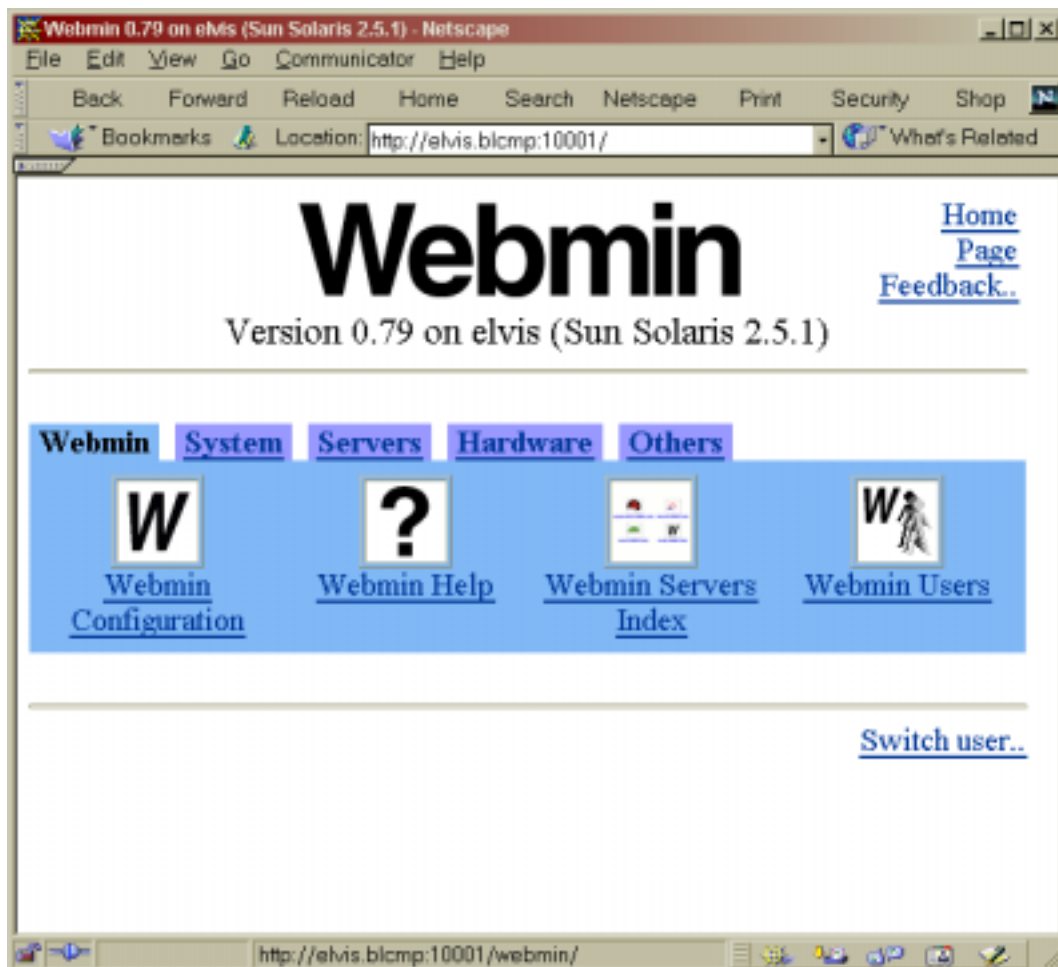


Figure 1: **Webmin** Modules (Main Menu)

- b) Next, click the “**Webmin Configuration**” Module in the “**Webmin**” section. You will be presented with a page of sub-modules, as illustrated in *Figure 2: Webmin Configuration Menu*.

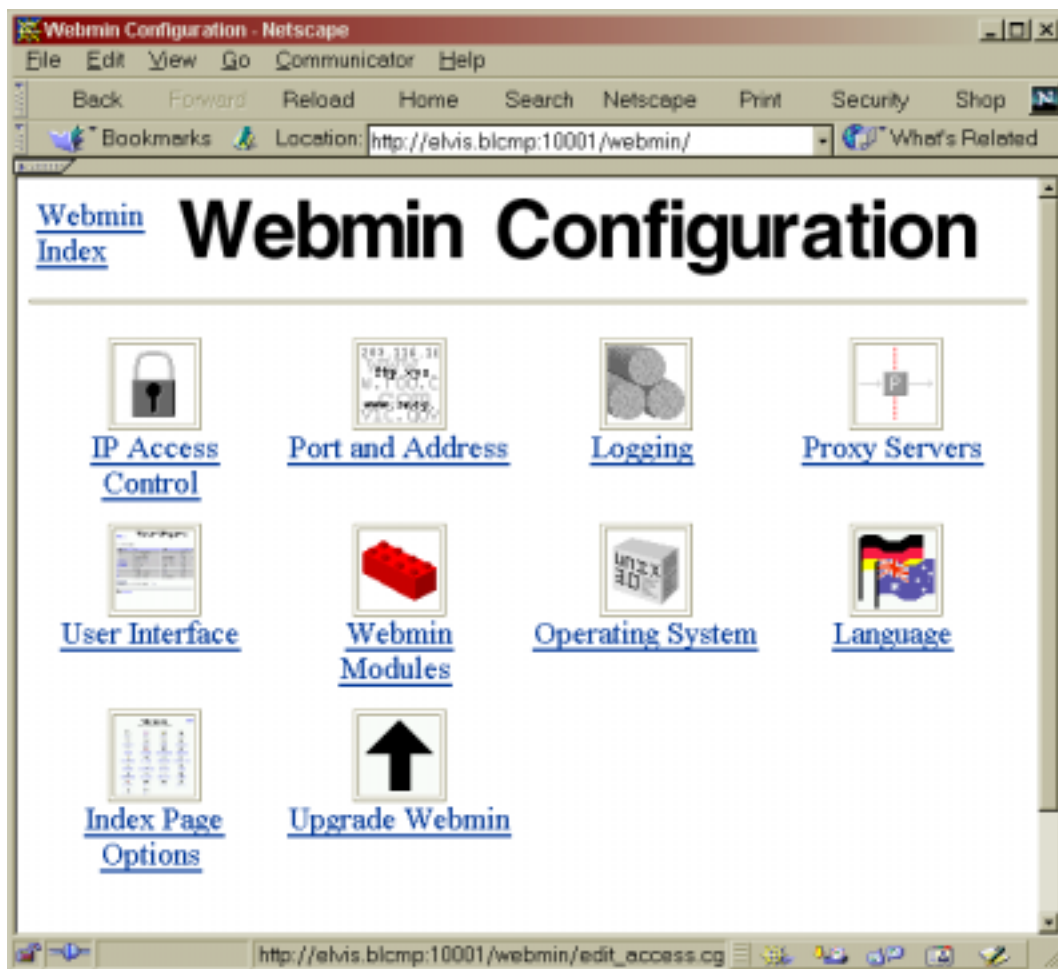
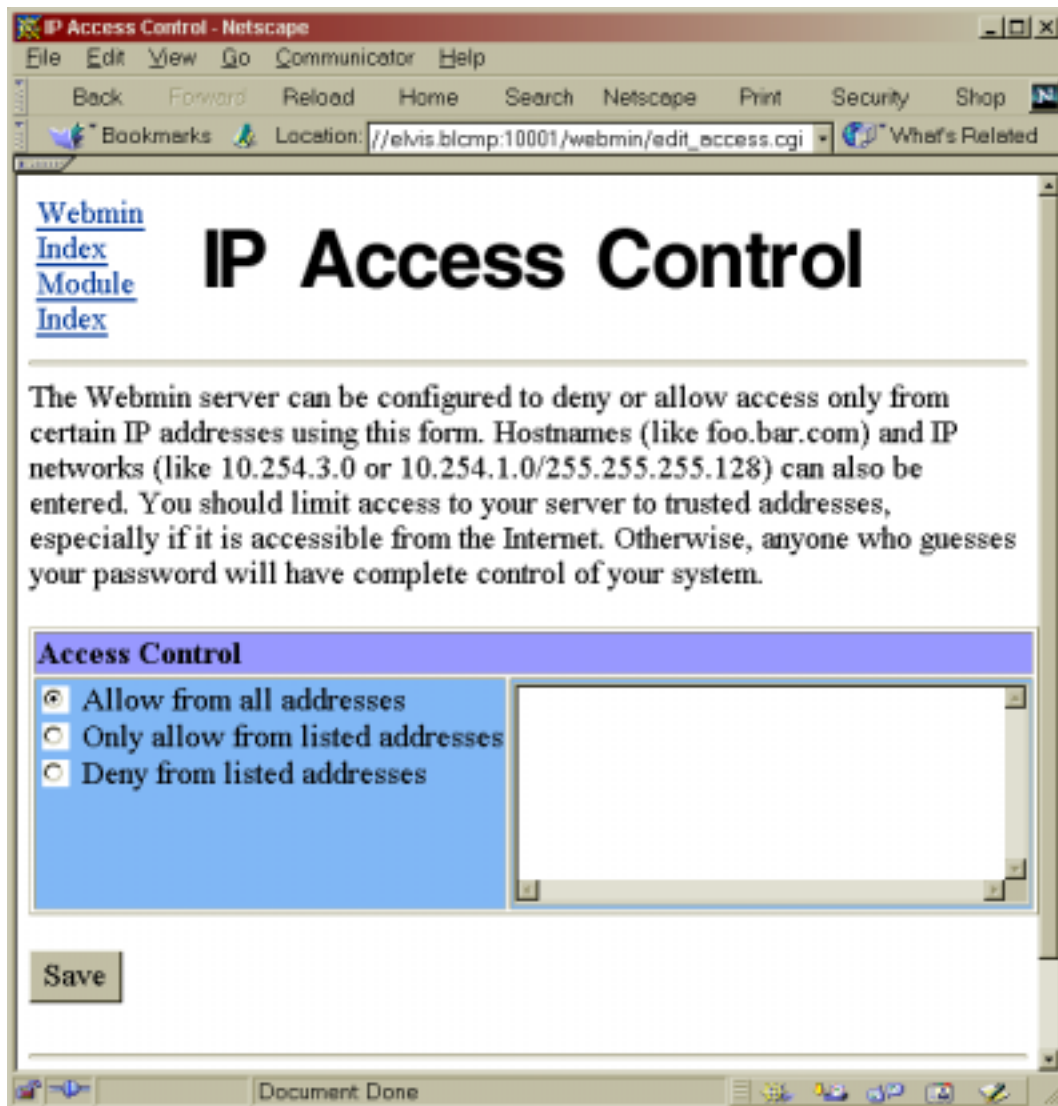


Figure 2: *Webmin Configuration Menu*

- c) Click the “**IP Access Control**” sub-module icon, to access *Figure 3: The IP Access Control Screen (Unrestricted Access)*.



**Figure 3: The IP Access Control Screen (Unrestricted Access)**

If the “**Allow from all addresses**” radio button is highlighted then **Webmin** is currently available to users at all locations. If so, perform *Step d)* restrict access to **Webmin** to selected IP addresses.

- d) Choose the “**Only allow from listed addresses**” radio button and enter the IP addresses (or networks) from which you wish to allow access to **Webmin**. Refer to *Figure 4: The IP Access Control Screen (Restricted Access)*.

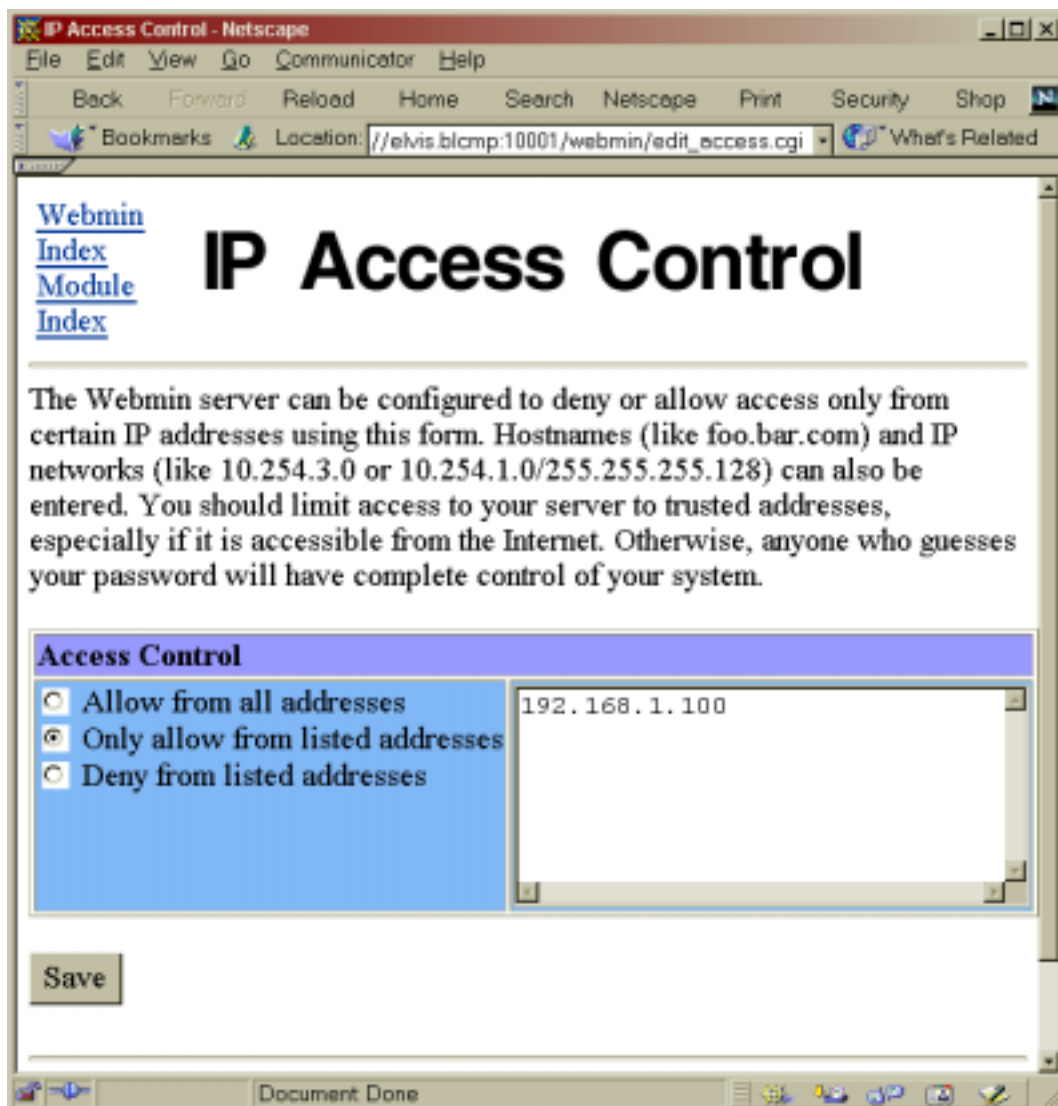


Figure 4: The IP Access Control Screen (Restricted Access)

- e) Click on the “**Save**” button to save your changes.

## 4. Configuring Users

When you install **Webmin**, three users are installed, each with differing levels of access to Modules. It is necessary to configure the users so that they reflect the users who need access to **Webmin**.

The users supplied by default are:

- ☐ “**admin**”
- ☐ “**root**”
- ☐ “**talis**”

### 4.1 The “admin” User

You may have chosen a different name for this user, but hereafter references to this login will use the default name “**admin**”. Whichever name is chosen, the “**admin**” user has access restricted to the following Modules only:

<b>Webmin Configuration</b>	<b>Webmin Help</b>
<b>Webmin Servers Index</b>	<b>Webmin Users</b>
<b>Bootup and Shutdown</b>	<b>Running Processes</b>
<b>Scheduled Cron Jobs</b>	<b>Software Packages</b>
<b>Users and Groups</b>	<b>Manage <i>Talis</i> GUI Server</b>
<b>Network Configuration</b>	<b>Printer Administration</b>
<b>Custom Commands</b>	<b>External Web Resource</b>
<b>File Manager</b>	<b>Install <i>Talis</i> GUI PC Client</b>
<b>Manage Environment Variables</b>	<b>Manage Programs and Scheduled Tasks</b>
<b>Manage <i>Talis</i> Users</b>	<b>Telnet Login</b>

The above modules were selected as they were deemed to be the most appropriate ones for managing a **Talis** system. The following modules are also available:

<b>Disk Quotas</b>	<b>Disk and Network Filesystems</b>
<b>NFS Shares</b>	<b>SysV Init configuration</b>
<b>System Logs</b>	<b>Apache Webserver</b>
<b>BIND 4 DNS Server</b>	<b>BIND 8 DNS Server</b>

<b>DHCP Server</b>	<b>wu-FTP Server</b>
<b>Internet Services and Protocols</b>	<b>Majordomo List Manager</b>
<b>MySQL Database Server</b>	<b>Samba Windows File Sharing</b>
<b>Sendmail Configuration</b>	<b>Squid Proxy Server</b>
<b>Partitions on Local Disks</b>	

## 4.2 The “root” User

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The “**root**” login has access to *all* **Webmin** Modules. The password for this login is the same as the machine’s “**root**” password at the time of the **Webmin** installation.

**Note:** If **Webmin** is used to change the “**root**” password, the **Webmin** “**root**” login is also changed at the same time. If the “**root**” password is changed via a telnet session, the **Webmin** “**root**” login will *not* be updated.

## 4.3 The “talis” User

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The “**talis**” login has access to only one Module:

- “Install **Talis** GUI PC client”

The purpose of this login is to allow users who know the “**talis**” password to download the **Talis** GUI PC client software so that it can be installed on a user’s PC.

## 4.4 User Configuration

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You may wish to change some or all of the above users. Modules may be added to, or removed from, a user’s login using the “**Webmin Users**” module. **Webmin** users can also be added or deleted using the “**Webmin Users**” module.



## 5. Starting and Stopping *Webmin*

Should the need arise, **Webmin** may be stopped or started using the following commands:

To stop **Webmin**, log in as “**root**” and type the following command:

```
/etc/webmin/stop <Enter>
```

To start **Webmin**, log in as “**root**” and type the command:

```
/etc/webmin/start <Enter>
```

## 6. Module Functions

A brief description of the purpose of each of the Modules available to the “**admin**” user follows:

Module Name	Heading	Purpose
Webmin Configuration	Webmin	Configure settings such as access, colour scheme for <b>Webmin</b> itself.
Webmin Help	Webmin	Search and browse <b>Webmin</b> ’s own help facilities.
Webmin Servers Index	Webmin	Find and provide links to other servers running <b>Webmin</b> on your network.
Webmin Users	Webmin	Control who can access <b>Webmin</b> and what they can do within <b>Webmin</b> .
Bootup and Shutdown	System	Configure the boot and shutdown process of your machine; shutdown or re-boot the machine.
Running Processes	System	Examine running processes, kill off processes if required.
Scheduled Cron Jobs	System	Manage the UNIX “ <b>cron</b> ” (scheduling) facility.
Software Packages	System	Manage software installed using the Solaris “package” tool.
Users and Groups	System	Add, edit and remove UNIX users and groups.
Manage <i>Talis</i> GUI Server	Servers	Start and stop the <b>Talis</b> GUI server process.
Network Configuration	Hardware	Configure machine’s network settings.

Module Name	Heading	Purpose
Printer Administration	Hardware	Manage print queues.
Custom Commands	Other	Run UNIX programs and commands via <b>Webmin</b> .
External Web Resource	Other	Link to other Web resources.
File Manager	Other	Manage Files on UNIX machine.
Install <b>Talis</b> GUI PC Client	Other	Download GUI Client software to PCs from this Module.
Manage Environment Variables	Other	Help with the management of <b>Talis</b> -related environment variables.
Manage Programs and Scheduled Tasks	Other	Enhanced UNIX “ <b>cron</b> ” (scheduling) module. Also includes help on commonly used <b>Talis</b> batch software.
Manage <b>Talis</b> Users	Other	Add or remove the privilege to use <b>Talis</b> or Tutor <b>Talis</b> for a UNIX login.
Telnet Login	Other	Telnet access to the UNIX machine.

Additional modules are available to the “**root**” **Webmin** user. However these are not available to the “**admin**” user since they are unlikely to be useful for managing a **Talis** system.