

1. If you are using the RPM version of Webmin, first download the file from the downloads page , or run the command :

```
[root@VOS-Test ~]# wget http://prdownloads.sourceforge.net/webadmin/webmin-1.780-1.noarch.rpm
--00:58:37-- http://prdownloads.sourceforge.net/webadmin/webmin-1.780-1.noarch.rpm
Resolving prdownloads.sourceforge.net... 216.34.181.59
Connecting to prdownloads.sourceforge.net[216.34.181.59]:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: http://downloads.sourceforge.net/project/webadmin/webmin/1.780/webmin-1.780-1.noarch.rpm [following]
--00:58:38-- http://downloads.sourceforge.net/project/webadmin/webmin/1.780/webmin-1.780-1.noarch.rpm
Resolving downloads.sourceforge.net... 216.34.181.59
Connecting to downloads.sourceforge.net[216.34.181.59]:80... connected.
HTTP request sent, awaiting response... 302 Found
Location: http://netix.dl.sourceforge.net/project/webadmin/webmin/1.780/webmin-1.780-1.noarch.rpm [following]
--00:58:39-- http://netix.dl.sourceforge.net/project/webadmin/webmin/1.780/webmin-1.780-1.noarch.rpm
Resolving netix.dl.sourceforge.net... 87.121.121.2
Connecting to netix.dl.sourceforge.net[87.121.121.2]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 28528655 (27M) [application/octet-stream]
Saving to: 'webmin-1.780-1.noarch.rpm'

100%[=====] 28,528,655 607K/s in 36s

00:59:15 (783 KB/s) - 'webmin-1.780-1.noarch.rpm' saved [28528655/28528655]

[root@VOS-Test ~]#
```

Command:

wget

<http://prdownloads.sourceforge.net/webadmin/webmin-1.780-1.noarch.rpm>

2. then install optional dependencies with :

```
[root@VOS-Test ~]# yum -y install perl perl-Net-SSLeay openssl perl-IO-Tty
Loading "rhnpugin" plugin
Loading "security" plugin
This system is not registered with RHN.
RHN support will be disabled.
Setting up Install Process
Parsing package install arguments
No package perl available.
No package perl-Net-SSLeay available.
No package openssl available.
No package perl-IO-Tty available.
Nothing to do
[root@VOS-Test ~]#
```

Command:

yum -y install perl perl-Net-SSLeay openssl perl-IO-Tty

3. After install RedHat, use the yum command, if it appeared the "This system is not registered with RHN" error message
Change the document on /etc/yum.repos.d/

```
[root@VOS-Test ~]# cd /etc/yum.repos.d/
[root@VOS-Test yum.repos.d]# wget http://docs.linuxtone.org/soft/lemp/CentOS-Base.repo
--17:41:43-- http://docs.linuxtone.org/soft/lemp/CentOS-Base.repo
Resolving docs.linuxtone.org... 203.74.150.88
Connecting to docs.linuxtone.org[203.74.150.88]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1426 (1.4K) [application/octet-stream]
Saving to: 'CentOS-Base.repo'

100%[=====] 1,426 --.-K/s in 0.001s

17:41:45 (1.53 MB/s) - 'CentOS-Base.repo' saved [1426/1426]

[root@VOS-Test yum.repos.d]#
```

Command:

wget http://docs.linuxtone.org/soft/lemp/CentOS-Base.repo

4. Backup the original file rhel-debuginfo.repo to rhel-debuginfo.repo-old

We replaced rhel-debuginfo.repo by CentOS-Base.repo

Then, it can update by yum

```
[root@VOS-Test yum.repos.d]# mv ./rhel-debuginfo.repo ./rhel-debuginfo.repo-old
[root@VOS-Test yum.repos.d]# mv ./CentOS-Base.repo ./rhel-debuginfo.repo
[root@VOS-Test yum.repos.d]# ls
rhel-debuginfo.repo  rhel-debuginfo.repo-old
[root@VOS-Test yum.repos.d]#
```

Command:

```
mv ./rhel-debuginfo.repo ./rhel-debuginfo.repo-old
```

```
mv ./CentOS-Base.repo ./rhel-debuginfo.repo
```

5. then install optional dependencies with :

```
[root@VOS-Test ~]# yum -y install perl perl-Net-SSLeay openssl perl-IO-Tty
Loading "rhnpplugin" plugin
Loading "security" plugin
This system is not registered with RHN.
RHN support will be disabled.
Setting up Install Process
Parsing package install arguments
No package perl available.
No package perl-Net-SSLeay available.
No package openssl available.
No package perl-IO-Tty available.
Nothing to do
[root@VOS-Test ~]# cd /etc/yum.
yum.conf      yum.repos.d/
[root@VOS-Test ~]# cd /etc/yum.repos.d/
[root@VOS-Test yum.repos.d]# wget http://docs.linuxtone.org/soft/lamp/CentOS-Base.repo
--17:41:43-- http://docs.linuxtone.org/soft/lamp/CentOS-Base.repo
Resolving docs.linuxtone.org... 203.74.150.88
Connecting to docs.linuxtone.org[203.74.150.88]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1426 (1.4K) [application/octet-stream]
Saving to: 'CentOS-Base.repo'

100%[=====] 1,426 --.-K/s in 0.001s

17:41:45 (1.53 MB/s) - 'CentOS-Base.repo' saved [1426/1426]

[root@VOS-Test yum.repos.d]# mv ./rhel-debuginfo.repo ./rhel-debuginfo.repo-old
[root@VOS-Test yum.repos.d]# mv ./CentOS-Base.repo ./rhel-debuginfo.repo
[root@VOS-Test yum.repos.d]# ls
rhel-debuginfo.repo  rhel-debuginfo.repo-old
[root@VOS-Test yum.repos.d]# yum -y install perl perl-Net-SSLeay openssl perl-IO-Tty
Loading "rhnpplugin" plugin
Loading "security" plugin
This system is not registered with RHN.
RHN support will be disabled.
update      100% |=====| 1.9 kB  00:00
primary.sqlite.bz2 100% |=====| 559 kB  00:00
base          100% |=====| 1.1 kB  00:00
primary.xml.gz 100% |=====| 996 kB  00:01
base         : ##### 2791/2791
addons       100% |=====| 1.9 kB  00:00
primary.sqlite.bz2 100% |=====| 1.1 kB  00:00
extras       100% |=====| 2.1 kB  00:00
```

```

primary.sqlite.bz2      100% |=====| 164 kB   00:00
Setting up Install Process
Parsing package install arguments
No package perl-IO-Tty available.
Resolving Dependencies
--> Running transaction check
--> Package perl.i386 4:5.8.8-43.el5_11 set to be updated
--> Package openssl.i686 0:0.9.8e-37.el5_11 set to be updated
--> Processing Dependency: openssl = 0.9.8e-10.el5 for package: openssl-devel
--> Package perl-Net-SSLeay.i386 0:1.30-4.fc6 set to be updated
--> Running transaction check
--> Package openssl-devel.i386 0:0.9.8e-37.el5_11 set to be updated
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                Arch      Version      Repository      Size
=====
Installing:
perl-Net-SSLeay         i386      1.30-4.fc6    base            195 k
Updating:
openssl                i686      0.9.8e-37.el5_11 update        1.7 M
perl                   i386      4:5.8.8-43.el5_11 update          12 M
Updating for dependencies:
openssl-devel          i386      0.9.8e-37.el5_11 update        1.9 M
=====

Transaction Summary
=====
Install      1 Package(s)
Update       3 Package(s)
Remove       0 Package(s)

Total download size: 15 M
Downloading Packages:
(1/4): perl-Net-SSLeay-1. 100% |=====| 195 kB   00:00
(2/4): openssl-devel-0.9. 100% |=====| 1.9 MB   00:01
(3/4): perl-5.8.8-43.el5_ 100% |=====| 12 MB   00:11
(4/4): openssl-0.9.8e-37. 100% |=====| 1.7 MB   00:02
Warning: rpmts.HdrFromFdno: Header V3 DSA signature: NOKEY, key ID e8562897
Importing GPG Key 0xe8562897 "CentOS-5 Key (CentOS 5 Official Signing Key) <centos-5-key@centos.org>" from http://mirror.centos.org/centos/RPM-GPG-KEY-CentOS-5
Running rpm_check_debug
Running Transaction Test
Finished Transaction Test

```

```

Transaction Test Succeeded
Running Transaction
  Updating      : openssl                ##### [1/7]
  Updating      : perl                   ##### [2/7]
  Updating      : openssl-devel          ##### [3/7]
  Installing    : perl-Net-SSLeay        ##### [4/7]
  Cleanup       : openssl                ##### [5/7]
  Cleanup       : perl                   ##### [6/7]
  Cleanup       : openssl-devel          ##### [7/7]

Installed: perl-Net-SSLeay.i386 0:1.30-4.fc6
Updated: openssl.i686 0:0.9.8e-37.el5_11 perl.i386 4:5.8.8-43.el5_11
Dependency Updated: openssl-devel.i386 0:0.9.8e-37.el5_11
Complete!
[root@VOS-Test yum.repos.d]#

```

Command:

```
yum -y install perl perl-Net-SSLeay openssl perl-IO-Tty
```

- You should also fetch and install my GPG key with which the packages are signed, with the commands :

```

[root@VOS-Test ~]# wget http://www.webmin.com/jcameron-key.asc
--18:15:51-- http://www.webmin.com/jcameron-key.asc
Resolving www.webmin.com... 216.34.181.97
Connecting to www.webmin.com[216.34.181.97]:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 1320 (1.3K) [text/plain]
Saving to: 'jcameron-key.asc'

100%[=====>] 1,320    --.-K/s   in 0.001s

18:15:54 (1.56 MB/s) - 'jcameron-key.asc' saved [1320/1320]

[root@VOS-Test ~]# rpm --import jcameron-key.asc
[root@VOS-Test ~]#

```

Command:

```
wget http://www.webmin.com/jcameron-key.asc
```

```
rpm --import jcameron-key.asc
```

7. You will now be able to install with the command :

```
[root@VOS-Test ~]# rpm -Uvh webmin-1.780-1.noarch.rpm
Preparing... ##### [100%]
   package webmin-1.780-1 is already installed
[root@VOS-Test ~]#
```

Command:

```
rpm -Uvh webmin-1.780-1.noarch.rpm
```

8. Webmin status

```
[root@VOS-Test ~]# /etc/init.d/webmin status
Webmin (pid 13125) is running
```

Command:

```
/etc/init.d/webmin status
```

9. Edit /etc/webmin/miniserv.conf

```
[root@VOS-Test ~]# vim /etc/webmin/miniserv.conf
```

Command:

```
vim /etc/webmin/miniserv.conf
```

10. Disable SSL and change the Port

```
port=8888
root=/usr/libexec/webmin
mimetypes=/usr/libexec/webmin/mime.types
addtype_cgi=internal/cgi
realm=Webmin Server
logfile=/var/webmin/miniserv.log
errorlog=/var/webmin/miniserv.error
pidfile=/var/webmin/miniserv.pid
logtime=168
ppath=
#ssl=0
ssl=1
no_ssl2=1
no_ssl3=1
no_tls1=0
no_tls1_1=1
env_WEBMIN_CONFIG=/etc/webmin
env_WEBMIN_VAR=/var/webmin
atboot=1
logout=/etc/webmin/logout-flag
listen=8888
denyfile=\.pl$
log=1
blockhost_failures=5
blockhost_time=60
syslog=1
session=1
premodules=WebminCore
server=MiniServ/1.780
userfile=/etc/webmin/miniserv.users
keyfile=/etc/webmin/miniserv.pem
passwd_file=/etc/shadow
passwd_uindex=0
passwd_pindex=1
passwd_cindex=2
passwd_mindex=4
passwd_mode=0
preroot=gray-theme
passdelay=1
cipher_list_def=1
logouttimes=
```

Command:

```
port=8888
```

```
ssl=0
```

```
no_tls1=0
```

11. Edit /etc/sysconfig/iptables

```
[root@VOS-Test ~]# vim /etc/sysconfig/iptables
```

Command:

```
vim /etc/sysconfig/iptables
```

12. Add iptables rule

Add the webmin port(8888)

```
# Firewall configuration written by system-config-securitylevel
# Manual customization of this file is not recommended.
*filter
:INPUT ACCEPT [0:0]
:FORWARD ACCEPT [0:0]
:OUTPUT ACCEPT [0:0]
:RH-Firewall-1-INPUT - [0:0]
-A INPUT -j RH-Firewall-1-INPUT
-A FORWARD -j RH-Firewall-1-INPUT
-A RH-Firewall-1-INPUT -i lo -j ACCEPT
-A RH-Firewall-1-INPUT -p icmp --icmp-type any -j ACCEPT
-A RH-Firewall-1-INPUT -p 50 -j ACCEPT
-A RH-Firewall-1-INPUT -p 51 -j ACCEPT
-A RH-Firewall-1-INPUT -p udp --dport 5353 -d 224.0.0.251 -j ACCEPT
-A RH-Firewall-1-INPUT -p udp -m udp --dport 631 -j ACCEPT
-A RH-Firewall-1-INPUT -p tcp -m tcp --dport 631 -j ACCEPT
-A RH-Firewall-1-INPUT -p udp -m udp --dport 8888 -j ACCEPT
-A RH-Firewall-1-INPUT -p tcp -m tcp --dport 8888 -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state ESTABLISHED,RELATED -j ACCEPT
-A RH-Firewall-1-INPUT -m state --state NEW -m tcp -p tcp --dport 22 -j ACCEPT
-A RH-Firewall-1-INPUT -j REJECT --reject-with icmp-host-prohibited
COMMIT
```

Command:

```
-A RH-Firewall-1-INPUT -p udp -m udp -dport 8888 -j ACCEPT
```

```
-A RH-Firewall-1-INPUT -p tcp -m tcp -dport 8888 -j ACCEPT
```

13. Restart webmin and iptables

```
[root@VOS-Test ~]# /etc/init.d/webmin restart
Stopping Webmin server in /usr/libexec/webmin
Starting Webmin server in /usr/libexec/webmin
Pre-loaded WebminCore
[root@VOS-Test ~]# /etc/init.d/iptables restart
Flushing firewall rules: [ OK ]
Setting chains to policy ACCEPT: filter [ OK ]
Unloading iptables modules: [ OK ]
Applying iptables firewall rules: [ OK ]
Loading additional iptables modules: ip_conntrack_netbios_n[ OK ]
[root@VOS-Test ~]#
```

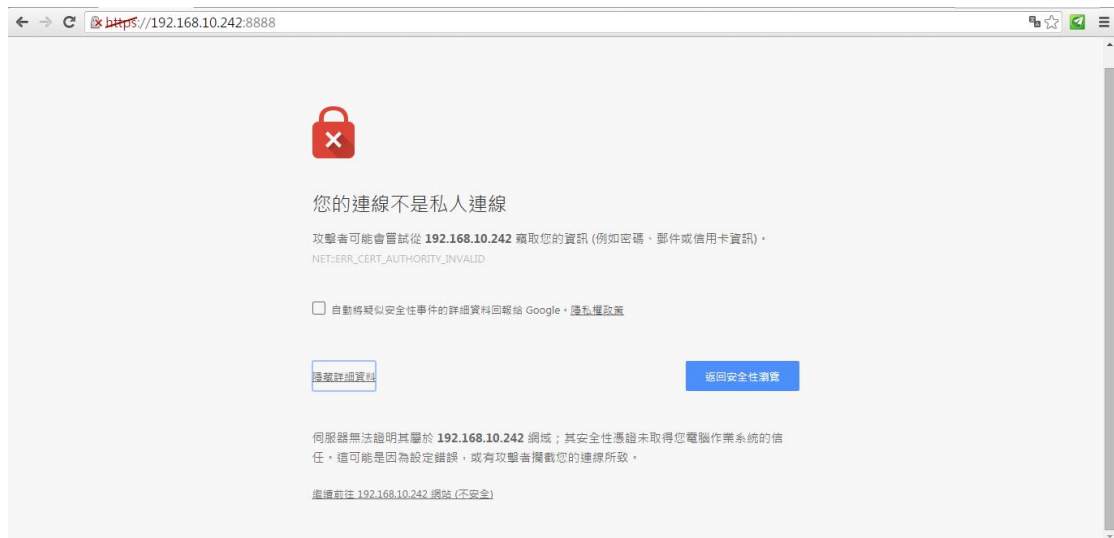
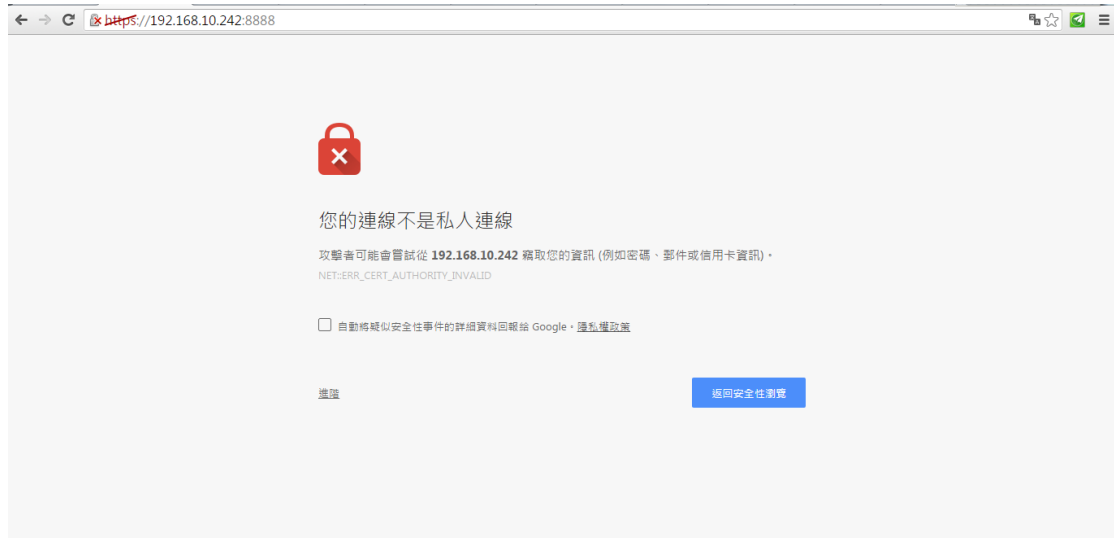
Command:

```
/etc/init.d/iptables restart
```

```
/etc/init.d/webmin restart
```

14. Webmin login Page

<https://ip:8888>



← → ↻ <https://192.168.10.242:8888>   

Login to Webmin
You must enter a username and password to login to the Webmin server on 192.168.10.242.
Username
Password
☐ Remember login permanently?

Command:

<https://ip:8888>

15. Webmin HomePage

Login: root

- Webmin
- System
- Servers
- Others
- Networking
- Hardware
- Cluster
- Un-used Modules

Search:

 View Module's Logs

 System Information

 Refresh Modules

 Logout



System Information

System hostname VOS-Test (127.0.0.1)
Operating system Redhat Enterprise Linux 5
Webmin version 1.780
Time on system Tue Jan 26 18:42:24 2016
Kernel and CPU Linux 2.6.18-92.el5PAE on i686
Processor information Intel(R) Core(TM) i3 CPU M 380 @ 2.53GHz, 4 cores
System uptime 1 hours, 57 minutes
Running processes 141
CPU load averages 0.00 (1 min) 0.03 (5 mins) 0.00 (15 mins)
CPU usage 0% user, 0% kernel, 0% IO, 100% idle
Real memory 150.27 MB used, 7.92 GB total
Virtual memory 0 bytes used, 1.94 GB total
Local disk space 17.47 GB used, 288.70 GB total
Package updates 501 package updates are available

[Refresh system information](#)

16. Backup Firewall

Backup Linux Firewall configuration from browser on Webmin -> Backup Configuration Files -> Backup now

Login: root

Module Config

Backup Configuration Files

Backup now | Scheduled backups | Restore now

Backup configuration now

Modules to backup

- Kerberos5
- LDAP Server
- Linux Firewall
- Linux RAID
- Log File Rotation
- Logical Volume Management
- MIME Type Programs
- MON Service Monitor
- MySQL Database Server
- NFS Exports

Backup destination

☐ Local file

☐ FTP server

☐ SSH server

☒ Download in browser

Include in backup

☐ Webmin module configuration files ☒ Server configuration files ☐ Other listed files ..

Backup Now

17. Upload Firewall configuration

Upload Linux Firewall from computer on Webmin -> Backup Configuration Files -> Restore now

Before update Linux Firewall

Outgoing packets (OUTPUT) - Only applies to packets originated by this host
There are no rules defined for this chain.

Set Default Action To: Accept

Chain RH-Firewall-1-INPUT

Select all. | Invert selection.

Action	Condition	Move	Add
☐ Accept	If input interface is lo	↓	↑
☐ Accept	If protocol is ICMP and ICMP type is any	↓	↑
☐ Accept	If protocol is 50	↓	↑
☐ Accept	If protocol is 51	↓	↑
☐ Accept	If protocol is UDP and destination is 224.0.0.251 and destination port is 5353	↓	↑
☐ Accept	If protocol is UDP and destination port is 631	↓	↑
☐ Accept	If protocol is TCP and destination port is 631	↓	↑
☐ Accept	If protocol is UDP and destination port is 8888	↓	↑
☐ Accept	If protocol is TCP and destination port is 8888	↓	↑
☐ Accept	If state of connection is ESTABLISHED,RELATED	↓	↑
☐ Accept	If protocol is TCP and destination port is 22 and state of connection is NEW	↓	↑
☐ Reject	Always	↑	↓

Select all. | Invert selection.

Delete Chain Rename Chain Clear All Rules Delete Selected Move Selected Add Rule

Upload Linux Firewall file

Login: root

Module Config

Backup Configuration Files

Backup now | Scheduled backups | **Restore now**

Restore configuration now

Modules to restore: LDAP Server, **Linux Firewall**, Linux RAID, Log File Rotation, Logical Volume Management

Other files to restore:

Restore from: ☐ Local file

☐ FTP server file on server
Login as user with password
Server port ☒ Default

☐ SSH server file on server
Login as user with password
Server port ☒ Default

☒ Uploaded file backup.tgz

Apply configurations? ☒ Yes ☐ No

Just show what will be restored? ☐ Yes ☒ No

18. Restore Configuration

Login: root

Module Index

Restore Configuration

Starting restore of module configuration files from /tmp/.webmin/950040_14682_2_restore.cgi ..

.. complete. 0 files were restored.

[Return to backup and restore forms](#)

After update Linux Firewall

Outgoing packets (OUTPUT) - Only applies to packets originated by this host
There are no rules defined for this chain.

Set Default Action To: Accept Add Rule

Chain RH-Firewall1-1-INPUT
Select all. | Invert selection.

Action	Condition	Move	Add
☐ Accept	If input interface is lo	↓	↑ ↓ ↑
☐ Accept	If source is 14.216.160.95	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 116.6.29.238	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.105	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.108	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.116	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.125	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.141	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.145	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.147	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.175.164	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.38	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.201	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.211	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.218	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.220	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 218.32.168.221	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 74.124.208.176	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 74.124.208.177	↓ ↑	↑ ↓ ↑
☐ Accept	If source is 210.200.133.81	↓ ↑	↑ ↓ ↑

19. Change SSH Port on Webmin

Incoming to SSH Server

Servers -> SSH Server -> Edit Config Files

Login: root

Webmin
System
Servers
 Apache Webserver
 Fetchmail Mail Retrieval
 MySQL Database Server
 Procmail Mail Filter
 Read User Mail
 Samba Windows File Sharing
 Sendmail Mail Server
 SSH Server

Help...
Module Config

SSH Server

OpenSSH_4.3

Search Docs...


Authentication


Networking


Access Control


Miscellaneous Options


Client Host Options


User SSH Key Setup


Host SSH Keys


Edit Config Files

Apply Changes Click this button to apply the current configuration by sending a SIGHUP signal to the running SSHd process.

Stop Server Click this button to stop the running SSH server. Once it is stopped, no users will be able to login via SSH, but existing connections will remain active.

20. Edit Config Files

insert into Port 1601 after #Port 22, and Save

Login: root

Webmin

System

Servers

Apache Webserver

Fetchmail Mail Retrieval

MySQL Database Server

Procmail Mail Filter

Read User Mail

Samba Windows File Sharing

Sendmail Mail Server

SSH Server

Others

Networking

Hardware

Cluster

Un-used Modules

Search:

View Module's Logs

Module Index

Edit Config Files

Edit config file: /etc/ssh/sshd_config Edit

```
# $OpenBSD: sshd_config,v 1.73 2005/12/06 22:38:28 reyk Exp $

# This is the sshd server system-wide configuration file. See
# sshd_config(5) for more information.

# This sshd was compiled with PATH=/usr/local/bin:/bin:/usr/bin

# The strategy used for options in the default sshd_config shipped with
# OpenSSH is to specify options with their default value where
# possible, but leave them commented. Uncommented options change a
# default value.

#Port 22
Port 1601
#Protocol 2,1
Protocol 2
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::
```

Save

21. Apply the configuration

Login: root

Webmin

System

Servers

Apache Webserver

Fetchmail Mail Retrieval

MySQL Database Server

Procmail Mail Filter

Read User Mail

Samba Windows File Sharing

Sendmail Mail Server

SSH Server

Others

Help...
Module Config

SSH Server
OpenSSH_4.3

Authentication

Networking

Access Control

Miscellaneous Options

Client Host Options

User SSH Key Setup

Host SSH Keys

Edit Config Files

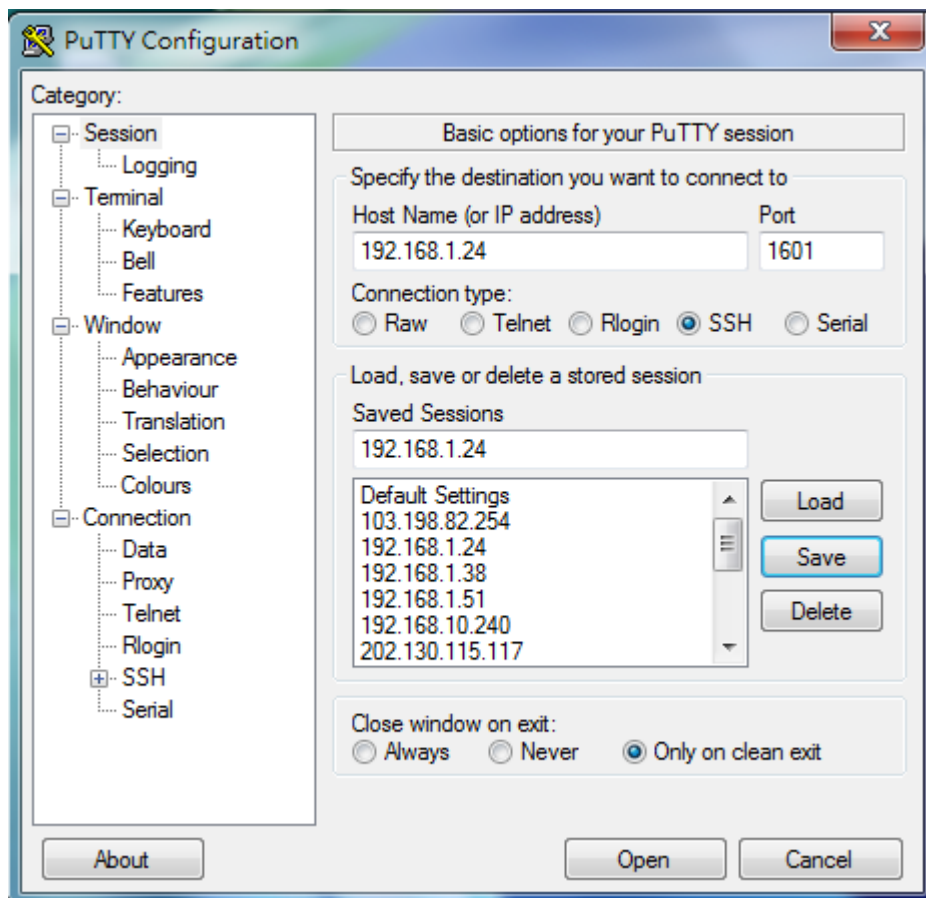
Apply Changes

Stop Server

Click this button to apply the current configuration by sending a SIGHUP signal to the running SSHd process.

Click this button to stop the running SSH server. Once it is stopped, no users will be able to login via SSH, but existing connections will remain active.

22. SSH VOS-Test



23. SSH Login

