

Smoothwall y Servicios de Internet



SmoothWall The **SmoothWall** Open Source Project

home about commercial community get docs security support

SmoothWall Express 3.0 - Alpha Released! >>

SmoothWall is a family of Internet security products, designed to defend your users and your network from external attack. SmoothWall.org is the home of the SmoothWall Open Source Project, and the SmoothWall Express firewall.

Minimum i486SX (or compatible), 64MB RAM, 512MB HDD +
Recommended Pentium (or compatible) or higher, 128MB RAM, 1GB HDD
See www.gnu.org/licenses/gpl.html for full details **

Marzo, 2006.

Historia

- Richard Morrell y Lawrence Manning crean la distribución Smoothwall en verano de 2000 desde cero (LFS).
- Basado originalmente en un núcleo GNU/Linux 2.4.
- En Septiembre de 2005 se lanza una versión alpha 3.0 basada en núcleo 2.6.
- Dos páginas web, dos fines.
- <http://www.smoothwall.org>
- <http://www.smoothwall.net>

Características

- Basada en núcleo GNU/Linux para plataforma i386.
- Soporte de discos IDE y algunos SATA.
- Acceso a Internet mediante RDSI, ADSL y Ethernet.
- Distribución basada en proyectos de Software Libre (SL).
- Filtrado de paquetes y NAT con Netfilter (iptables).
- Fácil de Instalar.
- Seguridad de acceso.
- Actualizable fácilmente desde interfaz web.

Requerimientos

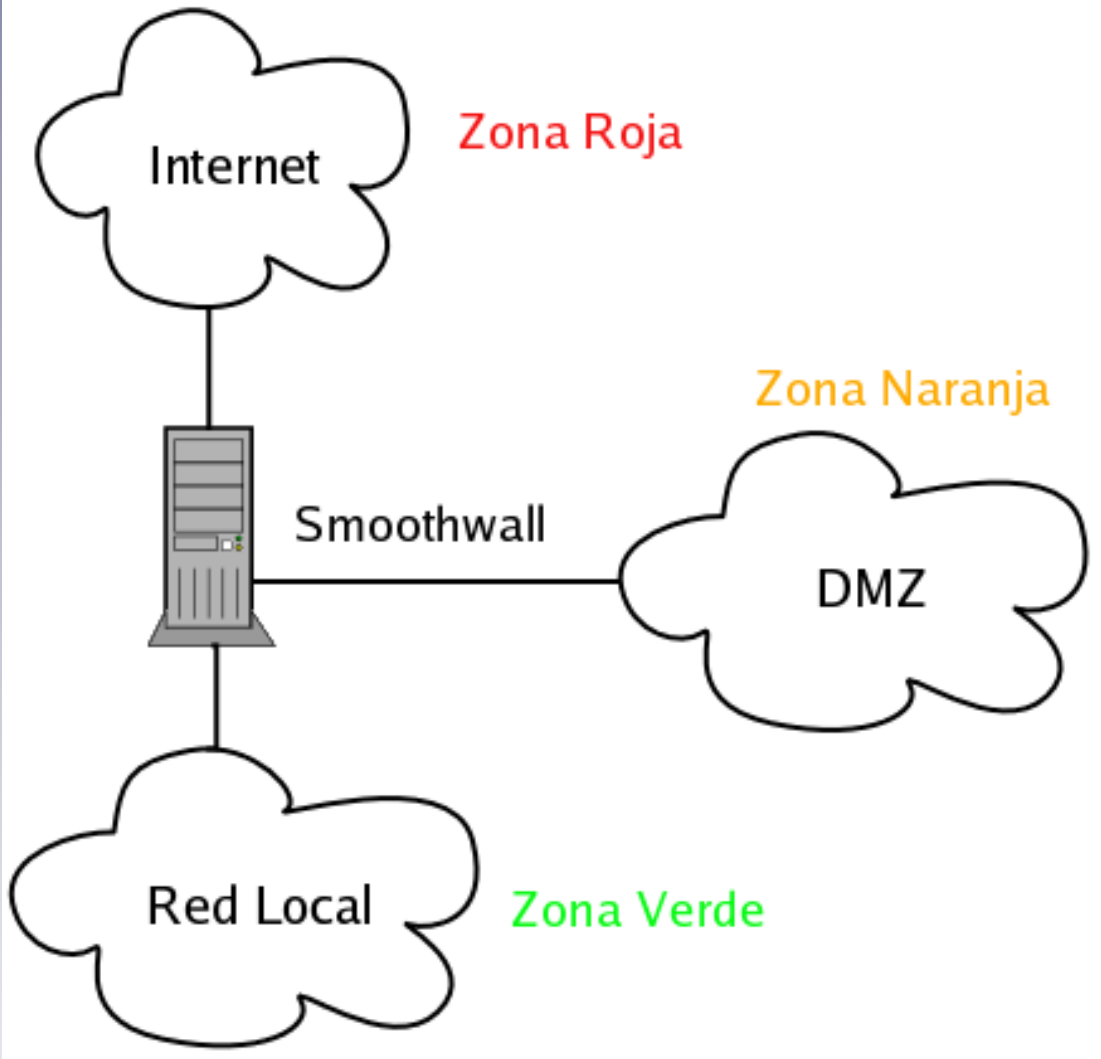
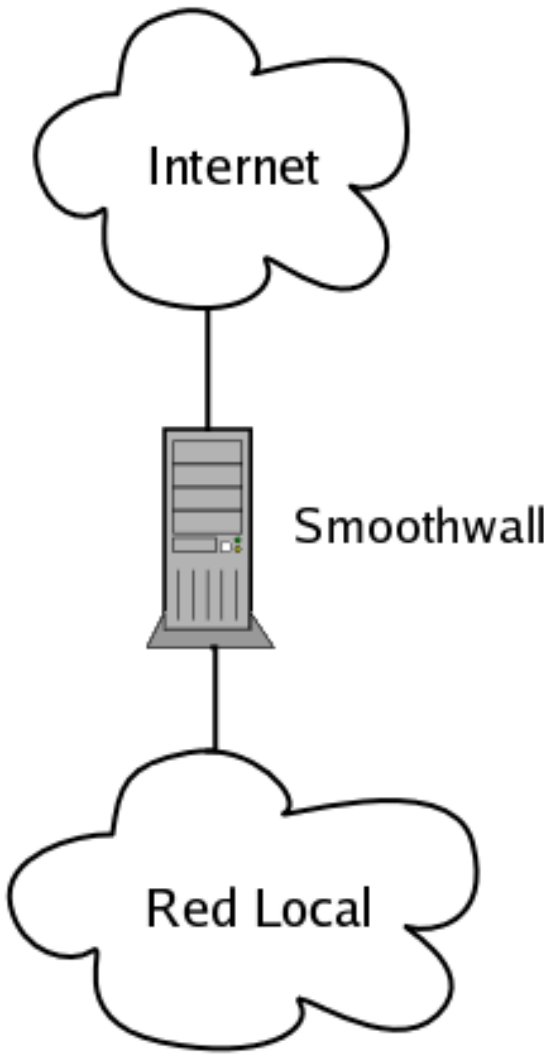
Mínimos

- Intel 486 o compatible.
- 64 MB RAM.
- 512 MB de Disco duro.

Recomendados.

- Intel Pentium o compatible.
- 128 MB RAM.
- 1 GB.

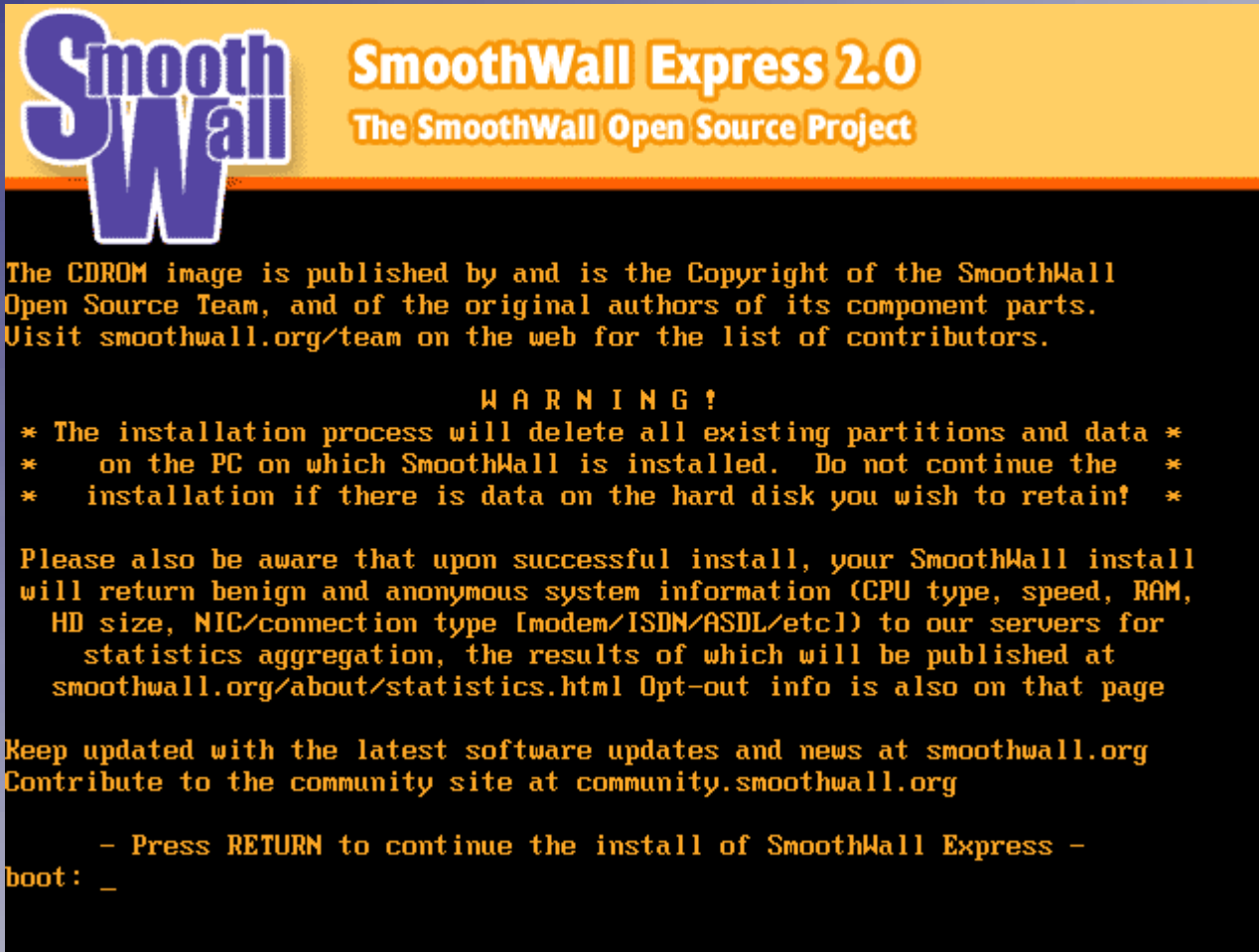
Configuraciones



Servicios

<i>Servicio</i>	<i>Proyecto SL</i>	<i>Descripción</i>
DHCP	dhcpcd	Asignación dinámica de direcciones IP.
DNS Cache	dnsmasq	Actualización de la IP del servidor en un proveedor de dominios dinámicos.
DNS Dinámico	ezipupdate	Cache de servidor de nombres de Internet.
NAT	NetFilter (iptables)	Traducción de direcciones IP.
Cortafuegos	NetFilter (iptables)	Filtrado de Paquetes de Red.
HTTP	Apache	Servicio Web.
HTTPS	Apache	Servicio Web Seguro.
Web Proxy	Squid	Proxy Web.
SSH	sshd	Acceso remoto seguro.
IDS	Snort	Detector de Intrusos
VPN	FreeS/WAN	Redes Privadas Virtuales.

Instalación. Primera Fase.



Al arrancar desde el CD de Smoothwall, aparecerá la siguiente pantalla en la que presionaremos “Intro”.

Instalación. Primera Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Select installation media

SmoothWall Express can be installed from multiple sources. The simplest is to use the machines CDROM drive. If the computer lacks a drive, you may install via another machine on the LAN which has the installation files available via HTTP.

CDROM
HTTP

Ok

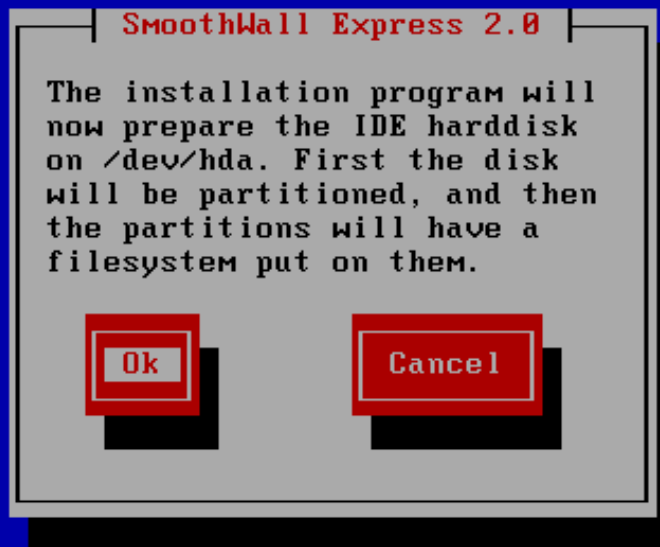
Cancel

<Tab>/<Alt-Tab> between elements ; <Space> selects

Elegiremos la instalación de CD. Aunque si la versión del CD es antigua será conveniente la instalación desde el sitio de Smoothwall (HTTP) para instalar la última versión.

Instalación. Primera Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>



El instalador de Smoothwall nos indicará los discos donde realizaremos la instalación.

<Tab>/<Alt-Tab> between elements ; <Space> selects

Instalación. Primera Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Configure networking

You should now configure networking by first loading the correct driver for the GREEN interface. You can do this by either auto-probing for a network card, or by choosing the correct driver from a list. Note that if you have more than one network card installed, you will be able to configure the others later on in the installation. Also note that if you have more than one card which is the same type as GREEN and each card requires special module parameters, you should enter parameters for all cards of this type such that all cards can become active when you configure the GREEN interface.

Probe

Select

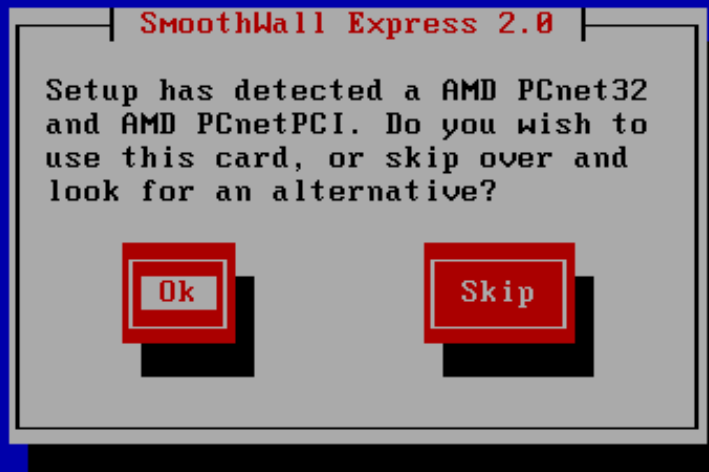
Cancel

<Tab>/<Alt-Tab> between elements ; <Space> selects

En este diálogo el instalador nos ofrece la posibilidad de buscar o seleccionar la tarjeta de red que será la interfaz de la Zona Verde.

Instalación. Primera Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>



Este mensaje nos indica que se ha detectado correctamente una tarjeta de red.

<Tab>/<Alt-Tab> between elements ; <Space> selects

Instalación. Primera Fase

SmoothWall Express 2.0 -- <http://smoothwall.org/>

GREEN interface

Enter the IP address information for the GREEN interface.

IP address: 192.168.0.1
Network mask: 255.255.255.0

Ok Cancel

Configuramos la tarjeta detectada con los datos de la **Zona Verde**.

<Tab>/<Alt-Tab> between elements ; <Space> selects

Instalación. Primera Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Congratulations!

SmoothWall Express was successfully installed. Please remove any floppy disks or CDRoms in the computer. Setup will now run where you may configure ISDN, network cards, and the system passwords. After Setup has been completed, you should point your web browser at <http://smoothwall:81> or <https://smoothwall:441> (or whatever you name your SmoothWall Express), and configure dialup networking (if required) and remote access. Remember to set a password for the SmoothWall Express 'dial' user, if you wish non SmoothWall Express 'admin' users to be able to control the link.

Ok

<Tab>/<Alt-Tab> between elements ; <Space> selects

Hemos terminado la primera fase de la instalación. Se nos da información de los pasos a seguir. Retiramos el CD y reiniciamos.

Intalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

SmoothWall Express 2.0

Do you want to restore the configuration for this SmoothWall Express from a previous installation using a backup floppy disk? If you select 'Yes', the areas which were restored from the backup will be automatically configured and will not be displayed to you.

No

Yes

<Tab>/<Alt-Tab> between elements ; <Space> selects

Al reiniciar, tenemos la posibilidad de restaurar la configuración desde un disquete. Veremos esta opción en la parte de “Administración”.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Keyboard mapping

Choose the type of keyboard you are using from the list below.

emacs2	↑
es	#
es-cp850	█
et	█
et-nodeadkeys	█
fi	↓

Ok **Cancel**

Elegimos el teclado.

<Tab>/<Alt-Tab> between elements ! <Space> selects

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Hostname

Enter the machine's hostname.

mismoothie

Ok Cancel

<Tab>/<Alt-Tab> between elements | <Space> selects

En esta pantalla introduciremos el nombre que le queremos dar a la máquina donde estamos instalando Smoothwall.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Web proxy

When requesting the Update list, SmoothWall Express must connect to a webserver. Some ISPs will block this direct traffic, and instead they will require SmoothWall Express to access this server indirectly, via a web proxy. If your ISP requires you to connect this way, please enter the web proxy Hostname and Port. Most ISPs do not require you to connect through a web proxy, in which case you should leave these settings blank. Note that this setting has nothing to do with SmoothWall Express' built in proxy service.

Hostname:

Port:

Ok

Cancel

<Tab>/<Alt-Tab> between elements ; <Space> selects

Si nuestro ISP nos obliga a usar un proxy para el tráfico Web, introduciremos sus datos en esta pantalla.

Instalación. Segunda Fase.

```
SmoothWall Express 2.0 -- http://smoothwall.org/
ISDN configuration menu

ISDN is currently Disabled.

Protocol: UNSET
Card: UNSET
Local phone number: UNSET

Select the item you wish to reconfigure, or
choose to use the current settings.

Protocol/Country
Set additional module parameters
ISDN card
Local phone number (MSN/EAZ)

Ok      Enable ISDN      Disable ISDN

<Tab>/<Alt-Tab> between elements  !  <Space> selects
```

Comienza la configuración de la **zona roja**. Si nos conectamos a Internet usando RDSI, introduciremos los datos en esta pantalla.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

ADSL configuration

ADSL is currently: Disabled

Device type: UNSET
VPI: UNSET VCI: UNSET

Select the item you wish to reconfigure, or
choose to use the current settings.

Device type
Other settings

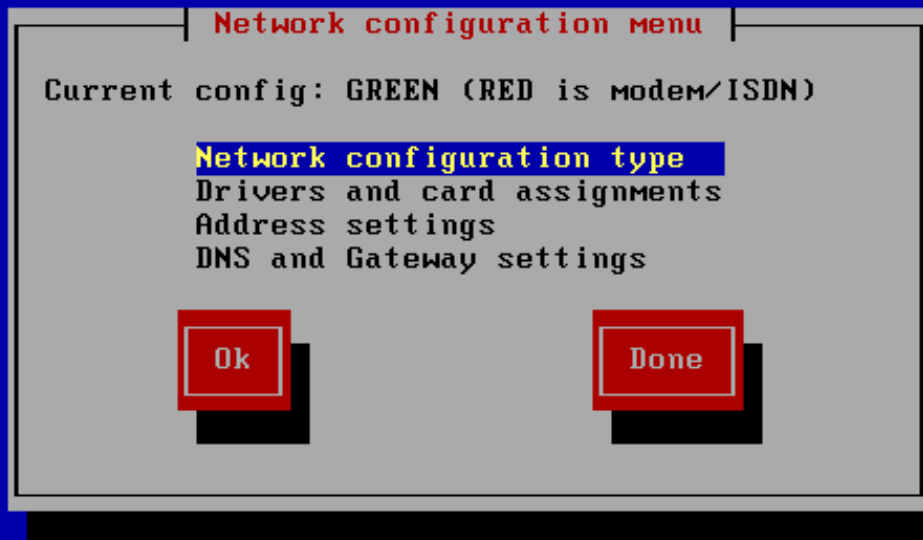
Ok **Enable ADSL** **Disable ADSL**

<Tab>/<Alt-Tab> between elements | <Space> selects

Si usamos ADSL, introduciremos los datos en esta pantalla.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

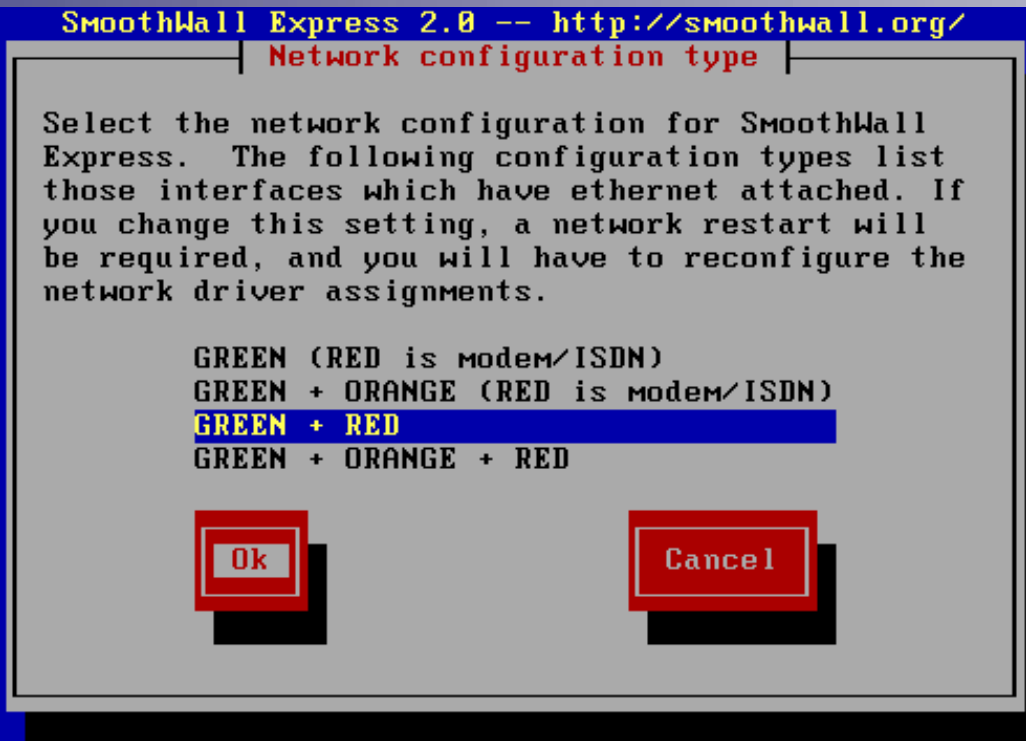


<Tab>/<Alt-Tab> between elements ; <Space> selects

En este menú podemos modificar la configuración de Smoothwall en cuanto a:

- Tarjetas de red.
- Direcciones.
- DNS.

Instalación. Segunda Fase.



<Tab>/<Alt-Tab> between elements ; <Space> selects

En la primera opción, elegimos la configuración de Smoothwall dependiendo de nuestra red. En este caso elegimos la configuración más básica, típica en un hogar o pequeña oficina.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

Address settings

Select the interface you wish to reconfigure.

GREEN
RED

Ok Done

<Tab>/<Alt-Tab> between elements ; <Space> selects

Durante el proceso de instalación podemos, en todo momento, reconfigurar las tarjetas de red de cada zona.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>

DNS and Gateway settings

Enter the DNS and gateway information. These settings are used only if DHCP is disabled on the RED interface.

Primary DNS:

Secondary DNS:

Default Gateway:

<Tab>/<Alt-Tab> between elements ; <Space> selects

La configuración de DNS se hace de forma similar que en cualquier otro sistema.

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- <http://smoothwall.org/>
DHCP server configuration

Configure the DHCP server by entering the settings information.

Enabled

Start address:	192.168.0.100_____
End address:	192.168.0.200_____
Primary DNS:	192.168.0.1_____
Secondary DNS:	_____
Default lease (mins):	60_____
Max lease (mins):	120_____
Domain name suffix:	_____

<Tab>/<Alt-Tab> between elements ; <Space> selects

Configuración del servicio DHCP (Aunque esto lo podemos hacer luego usando el interfaz web).

Instalación. Segunda Fase.

SmoothWall Express 2.0 -- http://smoothwall.org/

SmoothWall Express 2.0

Enter the 'root' user password. Login as this user for commandline access.

Password: *****

Again: *****

Ok Cancel

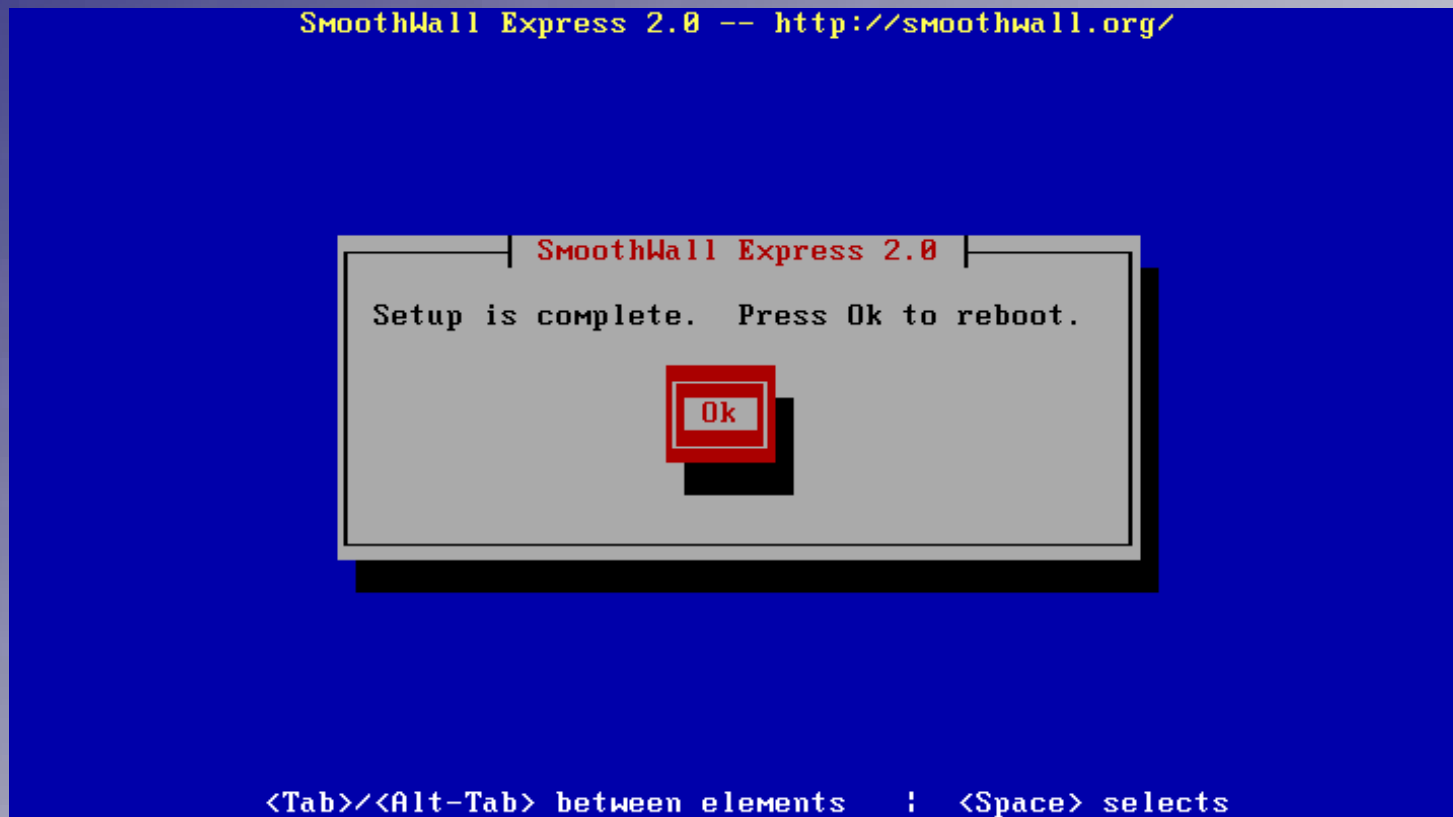
<Tab>/<Alt-Tab> between elements ; <Space> selects

Introducimos las claves de los dos usuarios de la interfaz web:

- admin.
- setup.

Y del administrador del sistema: 'root'.

Instalación. Segunda Fase.



Hemos terminado. Podemos reiniciar y acceder a las URL:

- <http://direccionipsmoothwall:81>
- <https://direccionipsmoothwall:441>

para administrar nuestro host.

Administración

La administración de Smoothwall se realiza fácilmente desde su interfaz web, accediendo con un navegador desde una máquina en la zona verde.

The screenshot shows the SmoothWall Express 2.0 web interface. At the top, there is a navigation bar with the SmoothWall logo and the text "SmoothWall Express 2.0". To the right of the logo, there is a "connection status" link with a small cube icon. Below the logo, there is a horizontal menu with buttons for "control", "about your smoothie", "services", "networking", "vpn", "logs", "tools", and "maintenance". Below this menu, there are links for "home" and "credits". On the right side of the interface, there are links for "shutdown" and "help" with a question mark icon. The main content area features a "Welcome to SmoothWall Express 2.0" message, a "Express Brand New!" logo, and a "Refresh" button with a cube icon. Below the main content, there is a status bar showing system information: "8:39pm up 7:07, 1 user, load average: 0.08, 0.04, 0.01". At the bottom, there is a footer with production information and copyright notices.

SmoothWall Express 2.0 connection status »

control about your smoothie services networking vpn logs tools maintenance

home | credits shutdown | help

Express Brand New!

Welcome to **SmoothWall Express 2.0**
This is your gateway to configuring and administering your SmoothWall firewall. Please make sure you read the Administration Guide before reconfiguring your SmoothWall — the guide is available with our other documentation from **our website**.

Refresh

8:39pm up 7:07, 1 user, load average: 0.08, 0.04, 0.01

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Administración

```
Connection to 192.168.0.1 closed.
user@lunar$ ssh -p 222 root@192.168.0.1
root@192.168.0.1's password:
Last login: Thu Mar 16 21:54:51 2006 from kelai
root@smoothie$ ls -l /
bin/
boot/
core
dev/
etc/
halt
home/
lib/
lost+found/
mnt/
poweroff
proc/
root/
sbin/
tmp/
usr/
var/
root@smoothie$ smoothiedeath

Broadcast message from root (Thu Mar 16 21:55:29 2006):

The system is going down for system halt NOW!
root@smoothie$ Connection to 192.168.0.1 closed by remote host.
Connection to 192.168.0.1 closed.
user@lunar$ █
```

Aunque es posible hacerla mediante un cliente SSH.

Administración: Estado.




The image shows the SmoothWall Express 2.0 administration interface. At the top, there is a navigation menu with tabs for 'control', 'about your smoothie', 'services', 'networking', 'vpn', 'logs', 'tools', and 'maintenance'. Below this, there are links for 'status', 'advanced', and 'traffic graphs'. On the right side, there is a 'connection status' link and a 'shutdown | help' button.

The main content area is titled 'About Your SmoothWall' and includes a sub-header 'Active service status of your Smoothie.' To the left of this text is an icon of a microscope.

Below the sub-header is a table titled 'Services:' that lists various services and their current status. The status is indicated by a colored box: green for 'RUNNING' and red for 'STOPPED'.

Service	Status
Logging server	RUNNING
DHCP server	RUNNING
DNS proxy server	RUNNING
Kernel logging server	RUNNING
Web proxy	RUNNING
Web server	RUNNING
Secure shell server	RUNNING
Intrusion Detection System	RUNNING
CRON server	RUNNING
VPN	STOPPED

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Administración: Estado.

SmoothWall Express 2.0 connection status »

control | **about your smoothie** | **services** | **networking** | **vpn** | **logs** | **tools** | **maintenance**

status | **advanced** | **traffic graphs** **shutdown** | **help**



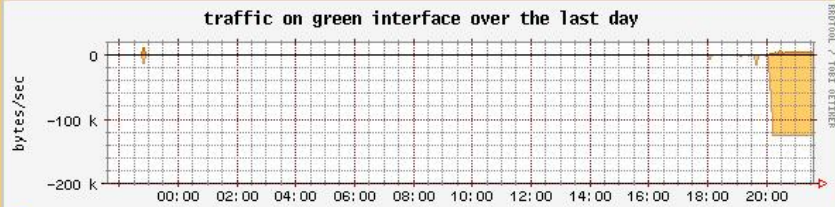
Traffic Graphs

Statistical graphs based upon traffic usage across your SmoothWall's network interfaces.

Network traffic graphs:
last updated Thu Mar 16 21:35:02 2006
with data to Thu Mar 16 21:35:02 2006

Summary network traffic graphs:

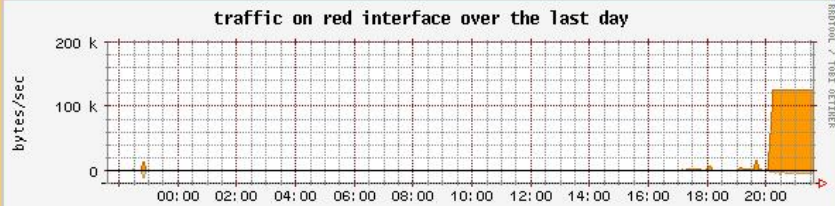
traffic on green interface over the last day



Incoming	Max: 12.2 k	Avg: 1.2 k	Current: 3.6 kbytes/sec
Outgoing	Max: 125.8 k	Avg: 31.8 k	Current: 125.2 kbytes/sec


[click for detailed graphs for the green interface »](#)

traffic on red interface over the last day



Incoming	Max: 126.1 k	Avg: 32.5 k	Current: 125.7 kbytes/sec
Outgoing	Max: 12.2 k	Avg: 1.1 k	Current: 3.6 kbytes/sec



[click for detailed graphs for the red interface »](#)

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Administración: Estado.

connection status » 

[control](#) | [about your smoothie](#) | [services](#) | [networking](#) | [vpn](#) | [logs](#) | [tools](#) | [maintenance](#)

[other](#) | [web proxy](#) | [firewall](#) | [intrusion detection system](#)

[shutdown](#) | [help](#)

Log Viewer

Check activity logs for services operating on your SmoothWall, such as DHCP, IPSec, updates and core kernel activity




Settings:

Section: Month: Day:

Log



```
17:04:02 smoothwall Dynamic DNS ip-update for elchema.dynalias.org: success
17:04:03 smoothwall Dynamic DNS ip-update for bolita.dynalias.org: success
17:04:11 smoothwall Dyanmic DNS ip-update: your IP is already up-to-date
17:04:35 smoothwall SmoothWall started.
18:59:08 smoothwall Dyanmic DNS ip-update: your IP is already up-to-date
18:59:09 smoothwall Dyanmic DNS ip-update: your IP is already up-to-date
18:59:30 smoothwall SmoothWall started.
19:23:03 smoothwall DHCP server enabled. Restarting.
21:43:46 smoothwall Forwarding rule removed; restarting forwarder
21:43:53 smoothwall Forwarding rule added; restarting forwarder
21:45:30 smoothwall DMZ pinhole rule added; restarting DMZ pinhole
21:46:12 smoothwall DMZ pinhole rule removed; restarting DMZ pinhole
21:46:17 smoothwall DMZ pinhole rule added; restarting DMZ pinhole
21:46:17 smoothwall DMZ pinhole rule added; restarting DMZ pinhole
21:46:25 smoothwall DMZ pinhole rule removed; restarting DMZ pinhole
21:47:36 smoothwall IP block rule added.
21:47:42 smoothwall IP block rule removed.
21:47:49 smoothwall IP block rule added.
```

[Older](#) [Newer](#)

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Administración: Estado.

connection status » 

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[shutdown](#) | [help](#) 

Firewall Log Viewer

Check logs for attempted access to your network from outside hosts. Connections listed here **have** been blocked.

Settings:

Month: Day:

Firewall log:

Time	In	Out	Proto		Source	Src Port		Destination	Dst Port
17:08:20	eth1	-	UDP	<input type="checkbox"/>	190.104.49.135	31260	<input type="checkbox"/>	82.159.47.237	1026
17:12:31	eth1	-	TCP	<input type="checkbox"/>	209.35.112.226	47437	<input type="checkbox"/>	82.159.47.237	80(HTTP)
17:14:22	eth1	-	TCP	<input type="checkbox"/>	24.17.5.75	3575	<input type="checkbox"/>	82.159.47.237	6346
17:14:25	eth1	-	TCP	<input type="checkbox"/>	24.17.5.75	3575	<input type="checkbox"/>	82.159.47.237	6346
17:16:16	eth1	-	UDP	<input type="checkbox"/>	135.125.60.33	0	<input type="checkbox"/>	82.159.47.237	1026
17:16:55	eth1	-	UDP	<input type="checkbox"/>	203.185.110.120	0	<input type="checkbox"/>	82.159.47.237	1025
17:16:55	eth1	-	UDP	<input type="checkbox"/>	203.185.110.120	0	<input type="checkbox"/>	82.159.47.237	1026
17:17:10	eth1	-	UDP	<input type="checkbox"/>	77.113.44.209	31260	<input type="checkbox"/>	82.159.47.237	1026
17:25:41	eth1	-	TCP	<input type="checkbox"/>	222.73.12.72	6000	<input type="checkbox"/>	82.159.47.237	8080
17:36:02	eth1	-	UDP	<input type="checkbox"/>	204.16.208.113	35175	<input type="checkbox"/>	82.159.47.237	1026
17:36:02	eth1	-	UDP	<input type="checkbox"/>	204.16.208.113	35175	<input type="checkbox"/>	82.159.47.237	1027
17:39:20	eth1	-	TCP	<input type="checkbox"/>	82.36.227.145	1613	<input type="checkbox"/>	82.159.47.237	4899
17:40:54	eth1	-	UDP	<input type="checkbox"/>	204.16.208.114	34620	<input type="checkbox"/>	82.159.47.237	1027
17:40:54	eth1	-	UDP	<input type="checkbox"/>	204.16.208.114	34620	<input type="checkbox"/>	82.159.47.237	1026
17:42:15	eth1	-	UDP	<input type="checkbox"/>	27.204.72.135	31260	<input type="checkbox"/>	82.159.47.237	1026
17:49:21	eth1	-	UDP	<input type="checkbox"/>	204.16.208.103	44471	<input type="checkbox"/>	82.159.47.237	1026

Administración: Servicio DHCP.

SmoothWall Express 2.0 connection status »

control | **about your smoothie** | **services** | **networking** | **vpn** | **logs** | **tools** | **maintenance**

web proxy | **dhcp** | **dynamic dns** | **intrusion detection system** | **remote access** | **time**

shutdown | **help**



DHCP

Configure and enable your SmoothWall's DHCP service, to automatically allocate LAN IP addresses to your network clients.

DHCP:

Start address:	<input type="text" value="192.168.0.100"/>	End address:	<input type="text" value="192.168.0.220"/>
Primary DNS:	<input type="text" value="192.168.0.1"/>	Secondary DNS:	<input type="text"/>
Primary WINS:	<input type="text"/>	Secondary WINS:	<input type="text"/>
Default lease time (mins):	<input type="text" value="60"/>	Max lease time (mins):	<input type="text" value="120"/>
Domain name suffix: *	<input type="text"/>	Enabled:	<input checked="" type="checkbox"/>

* This field may be blank.

Add a new static assignment:

Description:	<input type="text"/>	MAC address:	<input type="text"/>
IP address:	<input type="text"/>	<input type="button" value="Add"/>	

Current static assignments:

Description	MAC address	IP address	Mark
<input type="button" value="Remove"/>		<input type="button" value="Edit"/>	

Note:

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Administración: Servicio Proxy Web.

connection status » 

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[web proxy](#) | [dhcp](#) | [dynamic dns](#) | [intrusion detection system](#) | [remote access](#) | [time shutdown](#) | [help](#)



Web Proxy

Configure and enable your SmoothWall's integrated caching web proxy service.

Web proxy:

Cache size (MB):	<input type="text" value="500"/>	Remote proxy: *	<input type="text"/>
Remote proxy username: *	<input type="text"/>	Remote proxy password:	<input type="text"/>
Max object size (KB):	<input type="text" value="4096"/>	Min object size (KB):	<input type="text" value="0"/>
Max outgoing size (KB):	<input type="text" value="0"/>	Max incoming size (KB):	<input type="text" value="0"/>
Transparent:	<input type="checkbox"/>	Enabled:	<input checked="" type="checkbox"/>



* These fields may be blank.

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Administración: Servicio DNS Dinámico

 **SmoothWall Express 2.0** connection status » 

control | about your smoothie | **services** | networking | vpn | logs | tools | maintenance

web proxy | dhcp | **dynamic dns** | intrusion detection system | remote access | time shutdown | help



Dynamic DNS

Especially suited when your ISP assigned you a different IP address every time you connect, you can configure your SmoothWall to manage and update your dynamic DNS names from several popular services.

Add a host:

Service: Behind a proxy: Enable wildcards:

Hostname:* Domain:




Username: Password:

Enabled:

* Hostname is not necessary for dyndns.org(custom) service.

Current hosts:



Service	Hostname	Domain	Proxy	Wildcards	Enabled	Mark
dyndns	mismooth	dynalias.org	×	×	✓	<input type="checkbox"/>

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Administración: NAT

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port forwarding | external service access | dmz pinholes | ppp settings | ip block | advanced

shutdown | **help** 



Port Forwarding

Forward ports from your external IP address to ports on machines inside your LAN or DMZ.

Add a new rule:

External source IP, or network (blank for "ALL"):

Source port or range:

Destination IP:

Destination port:*

TCP ▾

Enabled:

Add




* If blank, then the source port will be used as the destination port.

Current rules:

Proto	External source IP	Source port	Destination IP	Destination port	Enabled	Mark
TCP	ALL	25	192.168.0.2	25	✗	<input type="checkbox"/>
TCP	ALL	4662	192.168.0.2	4662	✗	<input type="checkbox"/>
UDP	ALL	4672	192.168.0.2	4672	✗	<input type="checkbox"/>
TCP	ALL	80	192.168.0.2	80	✓	<input type="checkbox"/>

Remove

Edit

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Administración: NAT.

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port forwarding | **external service access** | **dmz pinholes** | **ppp settings** | **ip block** | **advanced shutdown** | **help**



DMZ Pinholes

Enable access from a host on your DMZ to a port on a host on your LAN.




Add a new rule:

Source IP: Destination IP: Destination port:

Enabled:



Current rules:

Proto	Source IP	Destination IP	Destination port	Enabled	Mark
TCP	172.26.0.1	192.168.0.3	80	✓	✗

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Administración: Cortafuegos.

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port forwarding | **external service access** | **dmz pinholes** | **ppp settings** | **ip block** | **advanced shutdown** | **help**

 **IP block configuration**
Add blocking rules to prevent access from specified IP addresses or networks.



Add a new rule:

Source IP or network: Drop packet Reject packet Log:

Enabled:

Current rules:



Source IP	Action	Log	Enabled	Mark
80.25.63.86	DROP	✓	✓	<input type="checkbox"/>

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Administración: Servicio de Detección de Intrusos.

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[web proxy](#) | [dhcp](#) | [dynamic dns](#) | [intrusion detection system](#) | [remote access](#) | [time shutdown](#) | [help](#) 






Intrusion Detection System (IDS)

Enable the Snort IDS service to detect potential security breach attempts from outside your network. Note that Snort **does not** prevent these attempts — your port forwarding and access rules are used to allow and deny inbound access from the outside.

Intrusion Detection System:



Snort:

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Administración: Servicio de Detección de Intrusos.

connection status » 

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[other](#) | [web proxy](#) | [firewall](#) | [intrusion detection system](#)

[shutdown](#) | [help](#)

IDS Log Viewer

Check logs for potentially malicious attempted access to your network from outside hosts. Connections listed here **have not necessarily** been blocked — use the Firewall Log Viewer to confirm blocked access.

Settings:

Month: Day:

Log

Date:	03/16 20:33:52	Name:	MS-SQL Worm propagation attempt
Priority:	2	Type:	Misc Attack
IP info:	218.25.253.18:3346 -> 82.159.47.237:1434		
References:	1 2 3		
Date:	03/16 21:09:16	Name:	(http_inspect) BARE BYTE UNICODE ENCODING
Priority:	n/a	Type:	n/a
IP info:	82.159.47.237:57531 -> 12.166.243.30:80		
References:	none found		
Date:	03/16 21:23:09	Name:	MS-SQL Worm propagation attempt
Priority:	2	Type:	Misc Attack
IP info:	222.81.33.51:3863 -> 82.159.47.237:1434		
References:	1 2 3		
Date:	03/16 21:26:12	Name:	MS-SQL Worm propagation attempt
Priority:	2	Type:	Misc Attack
IP info:	218.30.71.80:3859 -> 82.159.47.237:1434		
References:	1 2 3		
Date:	03/16 21:37:45	Name:	MS-SQL Worm propagation attempt
Priority:	2	Type:	Misc Attack
IP info:	60.191.42.142:1109 -> 82.159.47.237:1434		
References:	1 2 3		



[Older](#) [Newer](#)

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Administración: Redes Privadas Virtuales.

connection status » 

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[control](#) | [connections](#) | [shutdown](#) | [help](#) 



VPN Control

Control and manage your VPN connections.

Global settings:




Local VPN IP: * Enabled: [Save](#)

* If blank, the currently configured ethernet RED address will be used.

Manual control and status:

[Restart](#) [Stop](#)

Name	Status
------	--------

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Administración: Mantenimiento.

 SmoothWall Express 2.0

connection status » 

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[alcatel speedtouch usb adsl firmware upload](#)

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Backup

Use this page to create a backup floppy disk or floppy disk image file.

Instructions on creating a backup disk or disk image:

Please insert a blank, formatted floppy disk in the SmoothWall computer's floppy disk drive before pressing the button to create the backup disk. This disk should be available when reinstalling or upgrading, in order for the saved configuration to be restored. It may take up to a minute to write the information to the floppy disk. Alternatively, you may create a floppy disk image file, which you can later write to a floppy disk.

[Create backup floppy disk](#)

[Create backup floppy image file](#)

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Administración: Mantenimiento.

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[shutdown](#) | [help](#) 



Change Passwords



Change passwords for the 'admin' and 'dial' management interface users. This does not affect access by SSH.

Admin user password:

Password: Again:

Dial user password:

Password: Again:

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Administración: Mantenimiento.



Updates

See the latest updates and fixes available for your SmoothWall, and an installation history of updates previously applied.

Installed updates:

ID	Title	Description	Released	Installed
001	fixes1 update	This update contains an updated kernel to version 2.4.24 to correct recently discovered, locally exploitable, vulnerabilities. It also corrects known issues and a problem with dynamic DNS.	2004-01-12	2005-05-10
002	fixes2 update	This update contains an updated kernel to version 2.4.25 to correct recently discovered, locally exploitable vulnerabilities.	2004-02-26	2005-05-10
003	fixes3 update	This update contains an updated kernel to version 2.4.26 to correct recently discovered, locally exploitable vulnerabilities. It also updates Apache and OpenSSL to correct several recently discovered vulnerabilities. In addition, it adds support for the latest SpeedTouch modem (revision 4). It also corrects issues with custom dyndns.org accounts.	2004-05-26	2005-05-10
004	fixes4 update	This update contains an updated kernel to version 2.4.27 to correct recently discovered	2004-08-10	2005-05-10

Administración: Mantenimiento.

		local vulnerability. This update also includes updates to Squid and TCP Dump to correct recently discovered vulnerabilities.		
007	fixes7 update	This update contains an updated version of the PPP (Dial Up) system and associated programs to version 2.4.2; also included are updates to the Intrusion Detection System (Snort) version 2.2.0, OpenSSH version 3.9p1, OpenSSL 0.9.7e. This update includes a kernel update to version 2.4.30.	2005-06-02	2005-08-23
008	fixes8 update	This update contains updated versions of OpenSSH (version 3.9p1), OpenSSL (0.9.7i), TCPDump (3.8.3) and Apache (1.3.34). This update also contains a kernel update to version 2.4.32.	2005-10-27	2006-01-16




Available updates:

All updates installed

Install new update:

To install an update please upload the .tar.gz file below:

Upload update file:

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Administración: Herramientas.



The screenshot displays the SmoothWall Express 2.0 web interface. At the top, there is a navigation menu with tabs for 'control', 'about your smoothie', 'services', 'networking', 'vpn', 'logs', 'tools', and 'maintenance'. The 'tools' tab is currently selected. Below this, there is a sub-menu with 'ip information', 'ip tools', and 'shell'. On the right side, there are links for 'shutdown' and 'help'. The main content area is titled 'IP Information' and includes a red Swiss Army knife icon. The description reads: 'Perform a 'whois' lookup on an ip address or domain name.' Below this is a form with the label 'Whois lookup:' and a text input field for 'IP addresses or domain names:'. A 'Run' button is positioned to the right of the input field. At the bottom of the page, there is a footer containing production information and copyright notices.

SmoothWall Express 2.0 connection status »

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[ip information](#) | [ip tools](#) | [shell](#) shutdown | help

IP Information

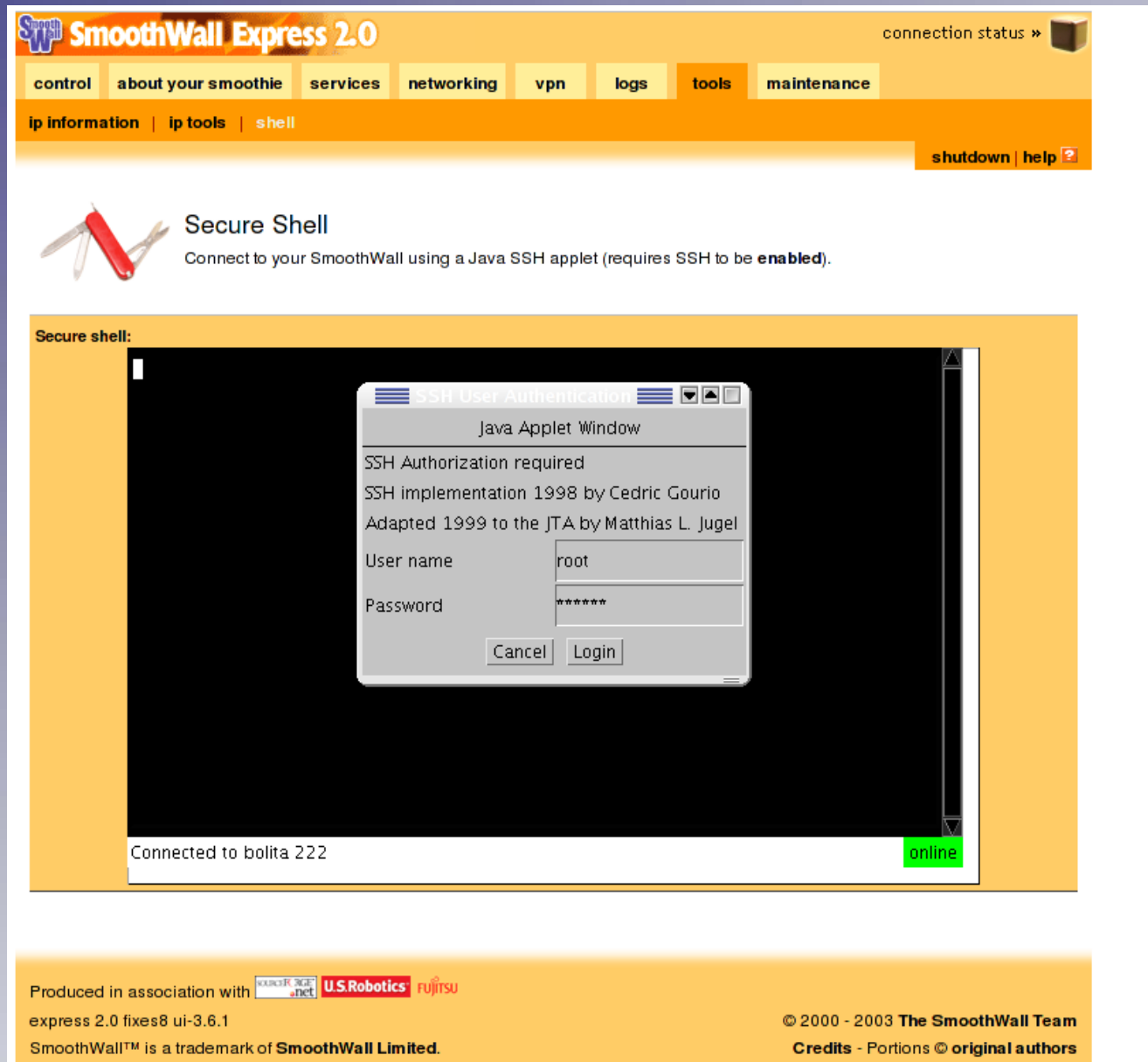
Perform a 'whois' lookup on an ip address or domain name.

Whois lookup:
IP addresses or domain names:

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Administración: Java SSH.



SmoothWall Express 2.0 connection status »

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ip information | ip tools | shell shutdown | help ?

Secure Shell

Connect to your SmoothWall using a Java SSH applet (requires SSH to be **enabled**).

Secure shell:

SSH User Authentication



Java Applet Window

SSH Authorization required
SSH implementation 1998 by Cedric Gourio
Adapted 1999 to the JTA by Matthias L. Jugel

User name:

Password:

Connected to bolita 222 online

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Administración: Java SSH.

 connection status » 

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[ip information](#) | [ip tools](#) | [shell](#)

[shutdown](#) | [help](#) ?



Secure Shell

Connect to your SmoothWall using a Java SSH applet (requires SSH to be **enabled**).

Secure shell:

```
                Login & password accepted
Last login: Thu Mar 16 21:55:08 2006 from kelai
root@smoothie$ ls -lrt /
total 201
drwxrwxrwt  2 root  root    4096 Jan  1  1990 tmp/
drwxr-xr-x  3 root  root    4096 Dec 19  2000 home/
drwxr-xr-x  5 root  root    4096 Feb 12  2002 mnt/
drwxr-xr-x  7 root  root    4096 Feb  7  2003 usr/
drwxr-xr-x  2 root  root    4096 Apr  4  2003 bin/
drwxr-xr-x  2 root  root    4096 Apr 17  2003/sbin/
drwxr-xr-x  4 root  root    4096 Aug 29  2003 lib/
drwx----- 2 root  root   16384 May 10  2005 lost+found/
drwxr-xr-x 12 root  root    4096 May 10  2005 var/
-rw-r--r--  1 root  root      0 May 17  2005 poweroff
-rw-----  1 root  root 1220608 Sep 28 00:35 core
-rw-r--r--  1 root  root      0 Nov  9  22:13 halt
drwxr-xr-x  3 root  root   1024 Jan 16 17:24 boot/
drwx-----  3 root  root    4096 Mar 16 21:50 root/
drwxr-xr-x  2 root  root   36864 Mar 16 21:59 dev/
drwxr-xr-x 23 root  root    4096 Mar 16 21:59 etc/
dr-xr-xr-x 48 root  root      0 Mar 16  2006 proc/
root@smoothie$
```

Connected to bolita 222

online

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Comparativa.

	<i>Smoothwall</i>	<i>Router inalámbrico común</i>
<i>DHCP</i>	Sí	Sí
<i>DNS Cache</i>	Sí	Sí
<i>DNS Dinámico</i>	Sí	Sí
<i>NAT</i>	Sí	Sí
<i>Cortafuegos</i>	Sí	Sí
<i>Servicio Web</i>	Sí	Sí
<i>Acceso SSH</i>	Sí	No
<i>Servicio Web Seguro</i>	Sí	No
<i>Proxy Web</i>	Sí	No
<i>IDS</i>	Sí	No
<i>VPN</i>	Sí	No
<i>DMZ</i>	Sí	No
<i>Acceso inalámbrico</i>	Posible	Sí

Conclusiones

- Podemos reciclar un equipo antiguo para usarlo como host bastión de nuestra red SOHO.
- Conviene usar discos duros IDE.
- No todos los módem ADSL están soportados.
- La instalación es fácil y rápida (si el hardware se deja...).
- La interfaz web se facilita enormemente la administración y el mantenimiento.
- El acceso por SSH permite un control total del servidor Smoothwall.
- Dándonos de alta en un servicio de dominio dinámico (p.e. Dyndns) y configurando una DMZ, podemos ofrecer servicios Web y de correo electrónico en nuestra casa u oficina.

¡Gracias!



Más en: <http://www.smootwall.org>