
**LINUX LIVECD ROUTER
ADMINISTRATOR MANUAL
FOR BROADBAND AND WIFI**



**Includes
NEW Hotspot Dynamic Firewall Authentication
And OpenVPN Server**



LiveCD Router

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Linux LiveCD Router Administrator Manual (c) wifi.com.ar info@wifi.com.ar

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1 INTRODUCTION

Linux LiveCD Router Administrator Manual. Includes Wideband Internet and WIFI support.

1.1 LINUX LIVECD ROUTER HOME AND SOHO APPLICATIONS

Linux Live-CD Router allows you to share your broadband connection and use WIFI. You can use ADSL, Cablemodem, T1, Fixed IPs, ISDN, Dial-Up and more.

Features

- Share your broadband Internet connection
- Supports xDSL, Cablemodem, Fixed IP, Dial-Up and Wireless (WIFI)
- It includes Firewall Shorewall and Masquerading (NAT)
- Use standard and low cost computer, networking and wifi hardware
- Can replace external Access Points (APs)
- Does not require any installation. It is a LiveCD, your computer simply boots straight from the CD. Does not require a hard disk
- Easy Web Administration
- Remote SSH administration
- Includes DNS Cache to accelerate surfing
- Includes SNMP Remote Monitoring and Graphical Statistics
- Linux Software compatible with Windows and Mac Networks

Hardware Requirements

One dedicated computer with the following minimum specifications: 486 Processor, 16 MBytes of RAM, 2X CDRom Reader, Floppy Drive, 1 or 2 ethernet cards. NO hard disk required! With optional Wifi card (can replace an external AP)

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1.2 FIREWALLS, HOTSPOTS AND LARGE WIFI INSTALLATIONS

In addition there are two commercial versions that include specific applications and full technical support. LiveCD Firewall PRO and LiveCD HotSpot, available from <http://www.wifi.com.ar>

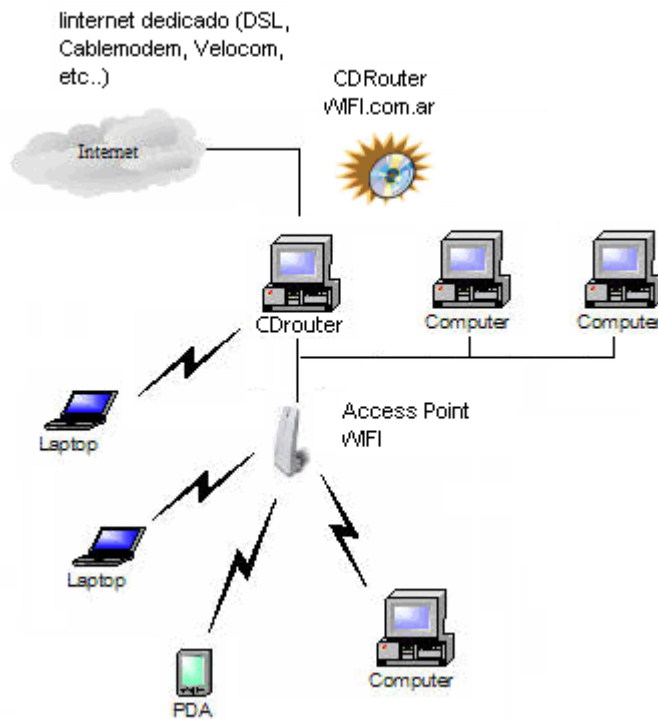
Commercial versions can reach high throughput performances rivaling routers such as the Cisco series 72**. Using modern off the shelf PCs and 128 MBytes of RAM or more. The system runs exclusively off RAM once it is loaded.

The system is very safe, since it is burned onto the CDROM, and can not be modified.

The Linux LiveCD Router, can interact with external access points, or even become and access point itself! By integrating one, or more, PCMCIA or PCI WIFI cards to the PC.

Applications include Virus, Spam and Web Content Filtering Firewalls. Hotspot solutions including splash autoconfiguration of users and commercial integration and billing support.

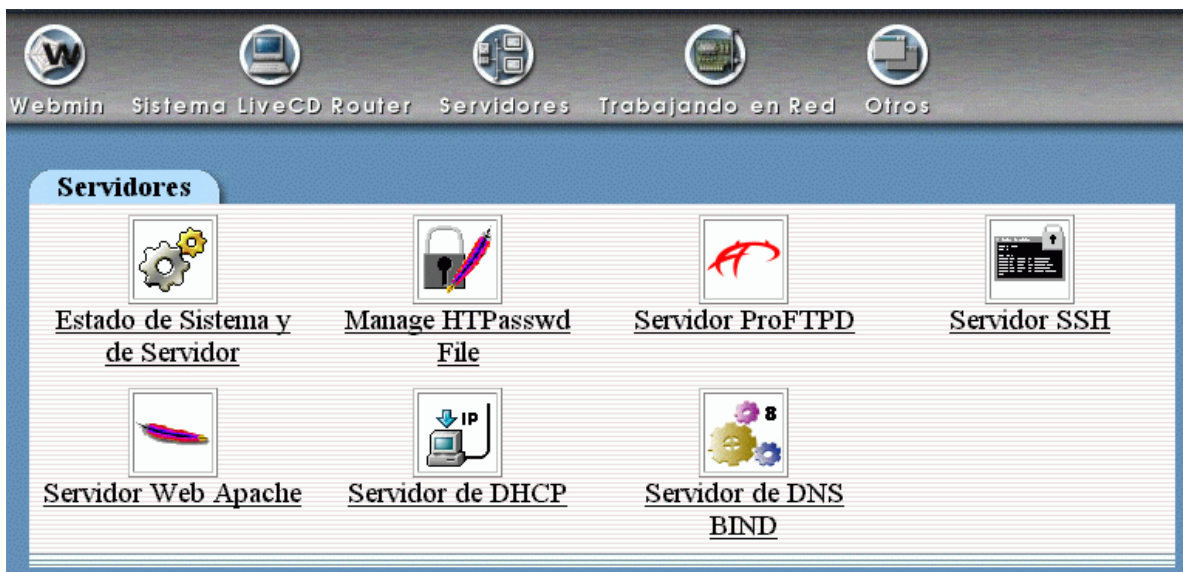
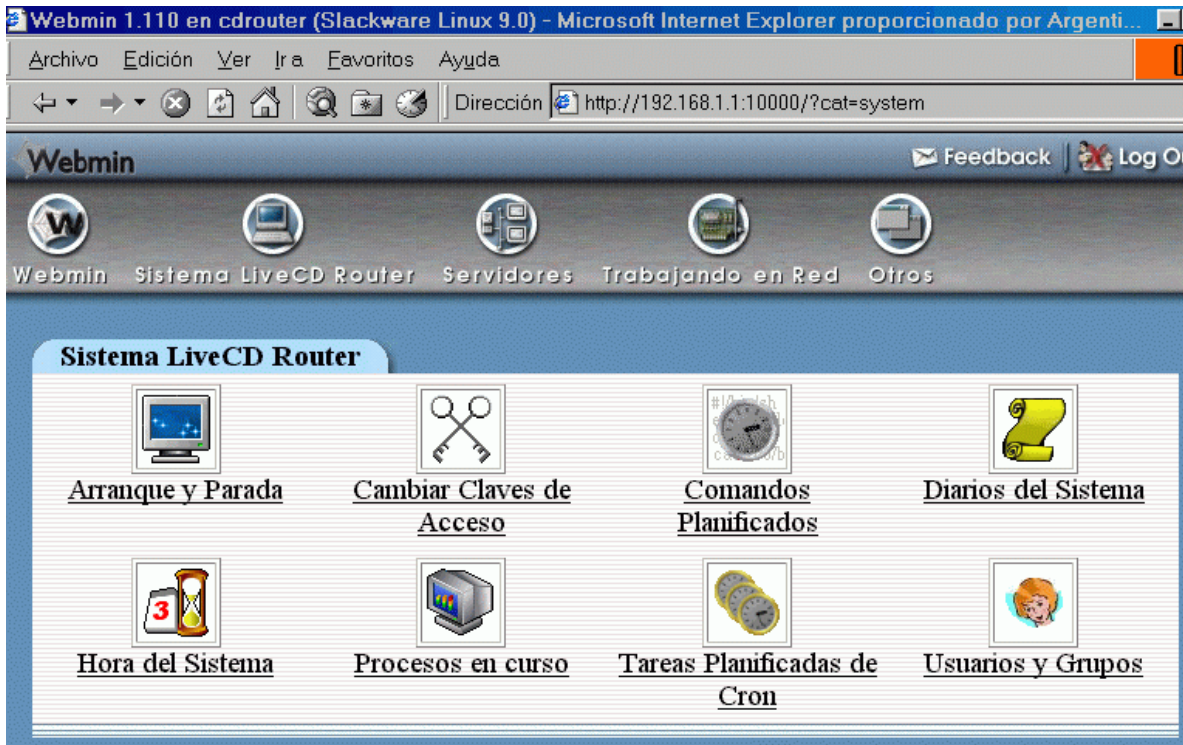
1.3 LIVECD ROUTER NETWORK DIAGRAM



[Linux LiveCD Router Network Diagram]

1.4 WEB ADMINISTATOR SCREEN CAPTURES





Types of Service

This page defines IP service types for particular types of traffic, which can be used to raise or lower their priorities.

Add a new type of service

Source	Destination	Protocol	Source ports	Destination ports	Type of service	Move
<u>Any</u>	Any	TCP	Any	ssh	Minimize-Delay	↓
<u>Any</u>	Any	TCP	ssh	Any	Minimize-Delay	↑ ↓
<u>Any</u>	Any	TCP	Any	ftp	Minimize-Delay	↑ ↓
<u>Any</u>	Any	TCP	ftp	Any	Minimize-Delay	↑ ↓
<u>Any</u>	Any	TCP	ftp-data	Any	Maximize-Throughput	↑ ↓
<u>Any</u>	Any	TCP	Any	ftp-data	Maximize-Throughput	↑

Add a new type of service