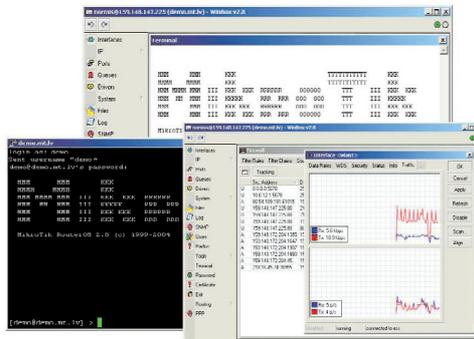


MIKROTIK ROUTEROS - FUNCTIONALITY FOR ROUTING

- ♦ Low-cost, feature-rich software for professional routing
- ♦ Scalable and easily upgradable
- ♦ Run-time configuration and monitoring
- ♦ Used in almost every country in the world
- ♦ ISP and OEM discounts

The MikroTik RouterOS offers the most comprehensive and flexible routing solution available. Features found only in routers with prices in many thousands of dollars now can be implemented for a fraction of the price. MikroTik RouterOS software turns a standard PC into a network router. Not just that - RouterOS can serve as a Bandwidth Manager, Firewall, HotSpot or a combination of any of the powerful set of features it contains. The RouterOS is the perfect platform for the demanding needs of wireless ISPs. RouterOS is currently used worldwide by many large wireless ISPs for client sites, access points, HotSpot sites, bandwidth shaping, backbone, and more.



MIKROTIK ROUTEROS FEATURES

Quality of Service

- ♦ HTB classfull queue with burst feature
- ♦ Per client queue
- ♦ Aggregate traffic limitation
- ♦ P2P system limitation (Kazaa, Direct Connect and other protocols)
- ♦ HTTP and DNS caching proxy
- ♦ High availability with VRRP protocol

Protection

- ♦ Stateful firewall and NAT
- ♦ Easy DMZ deployment
- ♦ IPsec, VPN tunneling (PPTP, L2TP, EoIP, IPsec), VLAN and PPPoE
- ♦ Transparent security: multiple STP bridges with packet filtering

Wireless Functionality:

- ♦ Wireless Access Points and Clients (multiple radios in one unit)
- ♦ WDS and Virtual AP features
- ♦ 802.11a, 802.11g with up to 108Mbps air rate; 802.11b support
- ♦ 40 and 104 bit WEP encryption
- ♦ Access control lists and RADIUS authentication

Plug and Play Access

- ♦ HotSpot system with RADIUS authentication
- ♦ Universal Client
- ♦ DHCP server and relay
- ♦ Universal Plug and Play (UPnP) protocol

Routing Capabilities

- ♦ Equal cost multi path routing
- ♦ Policy based routing
- ♦ RIP, OSPF and BGP protocols

Management

- ♦ Powerful command line interface for real-time configuration
- ♦ Remote administration GUI for easier monitoring
- ♦ Software upgrading with FTP
- ♦ Scripting possibilities
- ♦ SNMP protocol

HOW TO GET IT

You can download RouterOS from MikroTik website and install it using floppies, compact disk or Netinstall. To make sure that MikroTik RouterOS is perfect for your networking needs, download the MikroTik RouterOS and get a **FREE Demo License** from <http://www.mikrotik.com>

For special convenience and software safety MikroTik offers an extra compact size IDE Flash Module (64 MB) with MikroTik RouterOS **already installed** - you just put it on a regular PC motherboard and have an instant router! Extensive **User Manual** for MikroTik RouterOS is provided on <http://www.mikrotik.com/documentation.html>.



HOTSPOT GATEWAY - AUTHENTICATED INTERNET ACCESS

HotSpot is a Plug & Play access system that allows users to connect to the Internet after providing a username and password. It works in wireless or wired networks, and allows applying rules and restrictions to individual users. Accounting, user database, MAC authentication and much more - perfect for hotels, Internet cafes, airports and schools.

- ◆ Easy and flexible solution for hotels, Internet cafes, airports, ships, schools, universities
- ◆ Client authentication by user name and password, IP or MAC address, license agreement
- ◆ Plug & Play access possible
- ◆ Data rate shaping, quota (session-timeout, downloaded/uploaded traffic limit)
- ◆ Authentication and accounting locally, or on the RADIUS server
- ◆ User accounting by time, data sent/received
- ◆ Real-time user status information
- ◆ Universal Client
- ◆ DHCP server assigned IP addresses
- ◆ Customized HTML pages for login (create your own design)
- ◆ Walled Garden
- ◆ iPass support
- ◆ SSL secure web login

Welcome to HotSpot Internet

To use this service you must enter your user name and password

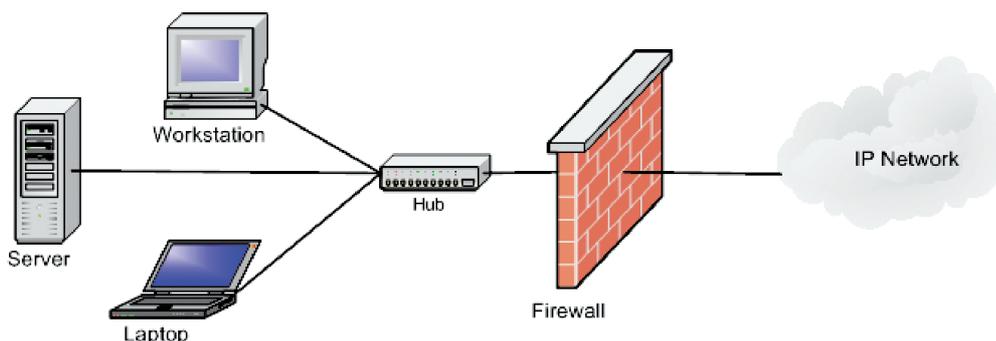
User name:

Password:

Open pop-up status window on login

FIREWALL - COMPLETE DATA SECURITY

MikroTik RouterOS Firewall stands between the company's network and the public network, effectively shielding your computers from hacker attack, controlling the flow of data, and optimizing your network usage. The Firewall is based on Stateful Filtering technology that can be used to block various DoS attacks, SYN floods. It also provides extensive Quality of Service (QoS) management, that allows to prioritize traffic and manage data rate of individual users and groups. The system's architecture makes possible easy configuration of network address translation (NAT). The Firewall filtering rules are grouped together in chains, which allows the packets to be matched against one common criterion in one chain, and then passed over for processing against some other criteria to another chain. That makes the system a whole lot easier to control, using smaller number of rules to create more precise firewalling.



Use for:

- ◆ Protecting the customer's hosts
- ◆ Enforcing the internet usage policy from the customer's network
- ◆ Protecting the router from unauthorized access
- ◆ Hiding the private network behind one external address (using Masquerading)
- ◆ Applying queuing to outgoing traffic

Quality of Service features:

- ◆ Improved HTB algorithm with burst support for building traffic queue hierarchy
- ◆ Traffic grouping using firewall mangle classifiers, (ToS supported)
- ◆ SFQ, RED, PFIFO, BFIFO queues
- ◆ Per-connection queue for automatic fair data rate distribution between traffic groups