

MUM Europe 2009



The MikroTik User Meeting in Europe is finally set, and it will take in Prague, capital of Czech Republic - almost in the centre of Europe. With steadily growing numbers of participants each year - we expect no less than 700 people attending from all over the world - and you should be one of them. This time we are also offering *Free* registration, besides the standard paid registration that includes a RouterOS license and lunch.

MUM will take place **February 27-28, 2009**.
Training before MUM will take place the same week.

More information on <http://mum.mikrotik.com> and <http://training.mikrotik.com>



MUM presentations include:

- MikroTik Powered Performance Routers an elegant solution by Tom Smyth (Wireless Connect, Ireland)
- Dude Workshop by Patrik Schaub (FMS Internetservice, Germany)
- Wireless and City workshop by Martin Krug (Future Shop, Slovakia)
- Wireless consulting with help of Radio Mobile and winbox by Leo De Geer (Satellithuset, Sweden)

RouterBOARD R5H

This industrial grade 802.11a wireless card from MikroTik is a new standard in quality. MMCX antenna connector provides a secure and sturdy connection to your antenna, and a special screw connection allows you to securely fasten the card in it's place.

The R5H provides three kinds of filters in RX path for selection to reject unwanted signals. It will increase alternate channel rejection capability, so that more bandwidth can be used for communication. Because of the high sensitivity of R5H, it can achieve the same distance as competing products with higher power



Key Features and Benefits

- Atheros AR5414A B2B
- Average power up to 25dBm
- External Screw hole reserved against vibration
- DIP type MMCX RF connectors provide robust assembly for antenna
- Heat sink design provides reliable high power RF performance
- Wide dynamic power control range: 2.5dBm~25dBm(+/- 2dB)
- Integrated RF ESD and surge protector
- High rejection filter to reduce interference

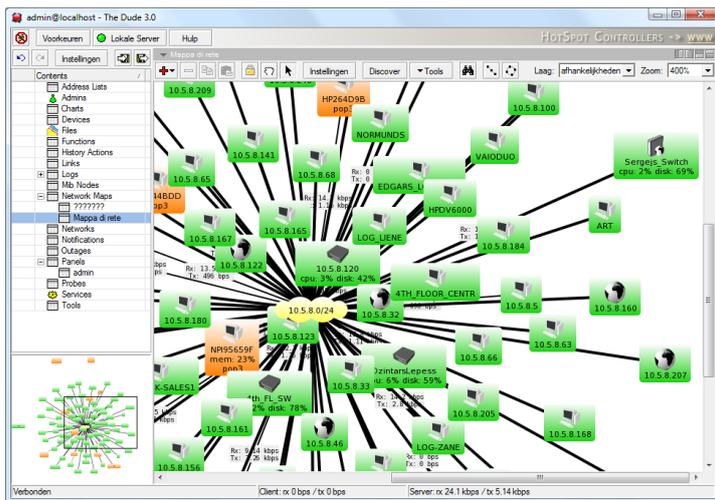
RouterOS v4 beta 1 released

This week saw several new software releases:

- RouterOS v3.17 stable
- RouterOS v4.0 beta 1
- The Dude v3.0 stable

The Dude is free software for creating network layouts, maps, and complex notification setups and early warning systems.

RouterOS v4 beta 1 takes over v3's testing packages, which are now regular packages in v4. There are also new features, like the MetaRouter, but most new features are not yet available in this release.



RouterOS v4 MetaROUTER

One of the new features in RouterOS v4 is MetaROUTER: multiple isolated routers running on a single CPU (or multiprocessor SOC).

Uses (warning: these are just a few of the obvious uses):

In the datacenter

- consolidate a number of routers on one hardware platform
- consolidate routing services and higher levels services such a VOIP switches in the same box
- use a guest machine on top of a router for custom features such as accounting, LDAP or legacy

networking

- redundant routers much easier and cheaper to have available in case of crashed systems

In the hosting center

- use RouterOS and extensive networking features as a host with a server (mail, http, ftp...) running as guest or multiple guest virtual machines
- offer virtual routers with VPN solutions that give a network administrator customer his own router on a highspeed backbone to make any kind of tunneled intranet or simply VPN access system

At the wireless ISP client site

- set up two isolated routers and set the wireless control only for the router controlled by the WISP while the Ethernet side router is fully under the clients control

At multiclient sites (such as office buildings)

- in locations serving multiple clients by Ethernet from one backbone connection (wired or wireless), give each customer control over his own isolated virtual router

For network planning and testing

- build a virtual network on one box with the same topography as a planned network and test the configurations so that the fine tuning of the configurations can be done in the lab and not in the field, simulate and monitor the network with advanced scripting and The Dude network monitor utility

In custom applications

- develop your own programs (and even Linux distributions) that can be installed on MikroTik supported platforms with minimum difficulty as software patches and virtual drivers are provided for guest systems
- use low cost RouterBOARD embedded systems easily with your own Linux and the advantage that it will work across all RouterBOARDS with the same CPU

MUM Brazil conclusion

The Brazil meeting took place in Sao Paulo and had 350 visitors from 15 countries, furthest from New Zealand.

