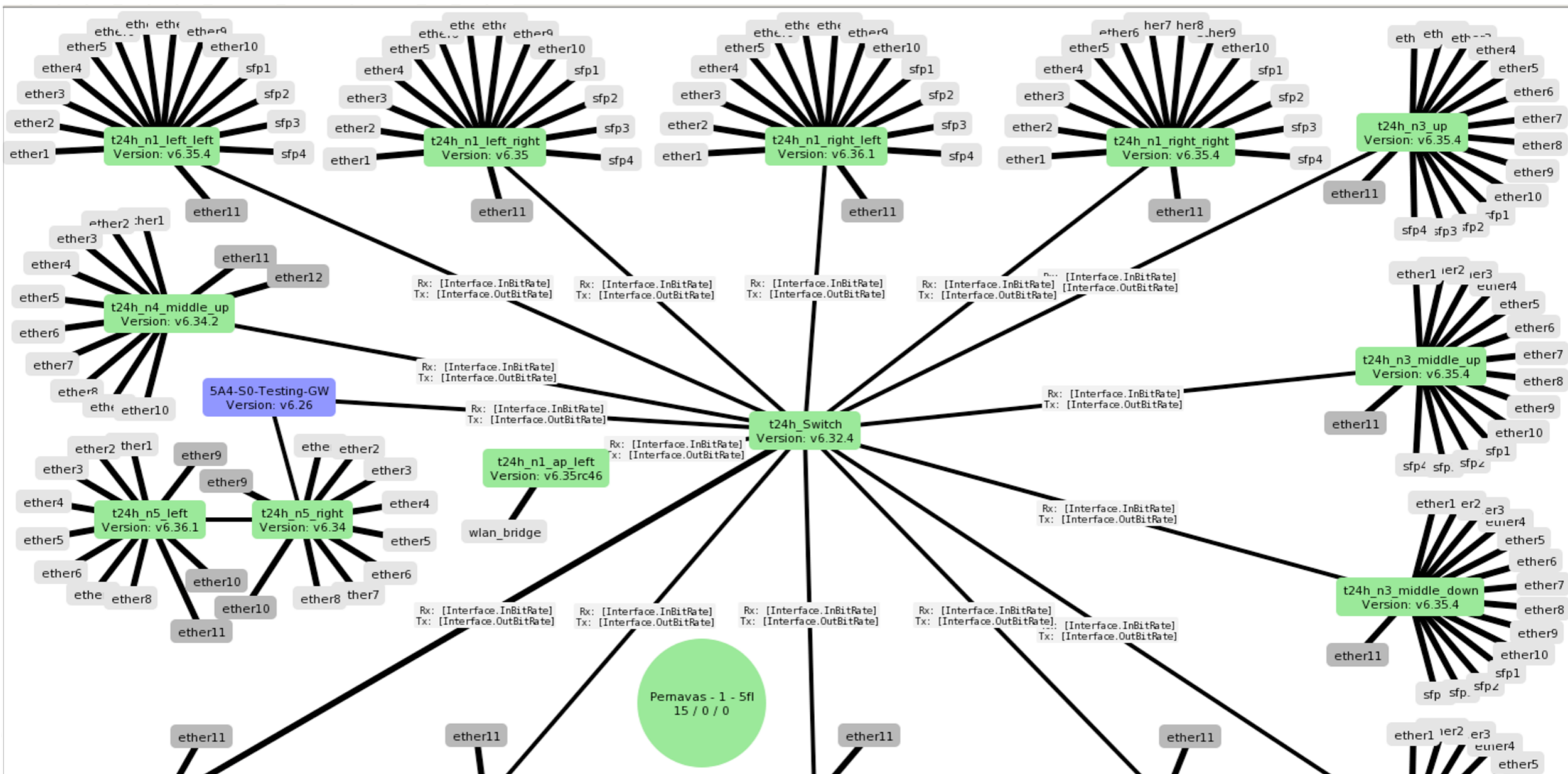


Dude workshop

What is Dude?

One of the most powerful free network monitors



Dude development

First version released at 2006

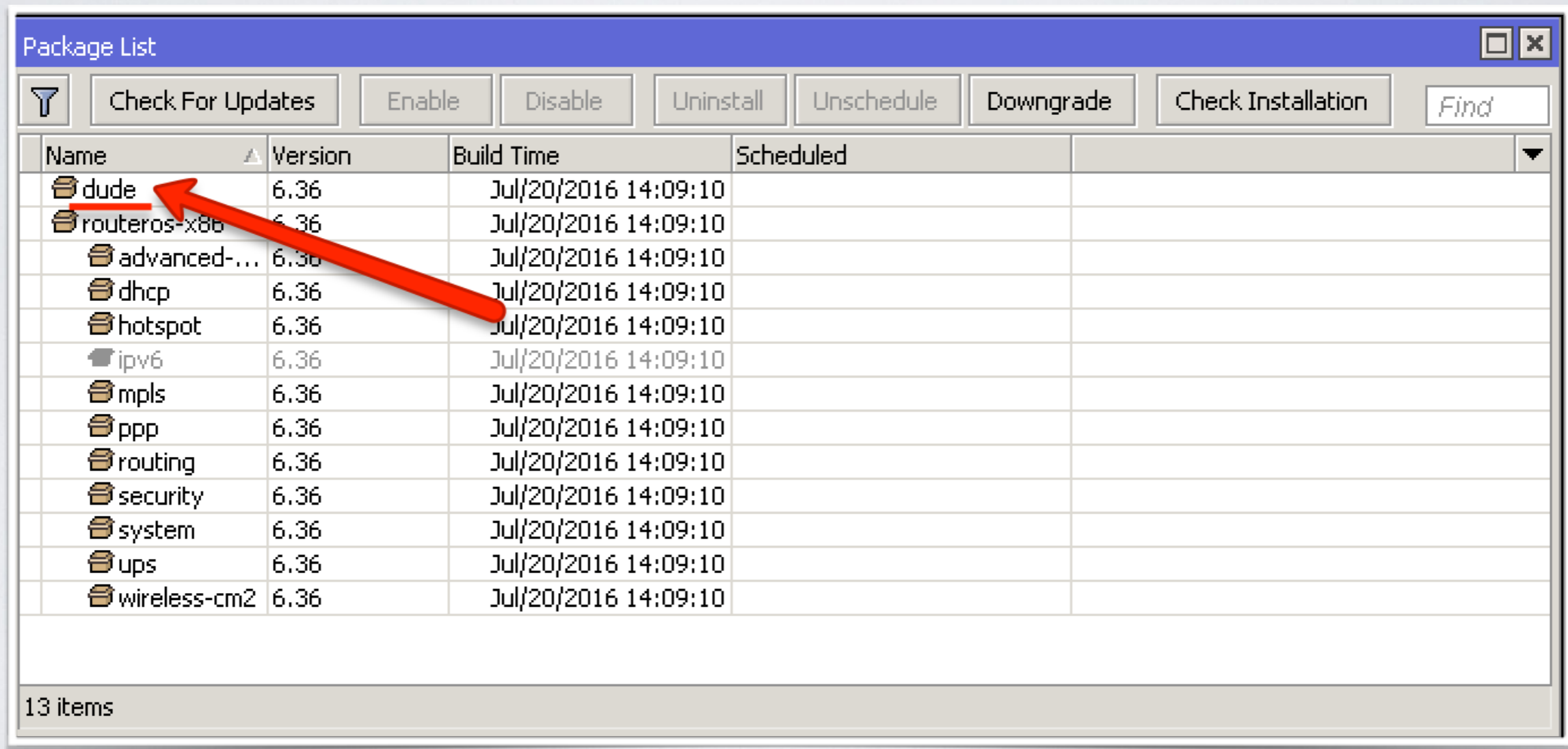
4.0beta3 was the latest version

Development renewed in 2016

Dude is integrated back to RouterOS package

v6.x Dude changes

Dude is RouterOS version package



The screenshot shows the 'Package List' window in Mikrotik WinBox. The window has a blue title bar and a toolbar with buttons: 'Check For Updates', 'Enable', 'Disable', 'Uninstall', 'Unschedule', 'Downgrade', 'Check Installation', and a 'Find' search box. Below the toolbar is a table with the following columns: 'Name', 'Version', 'Build Time', and 'Scheduled'. The table lists 13 packages, all with version 6.36 and build time 'Jul/20/2016 14:09:10'. A red arrow points to the 'dude' package in the first row.

| Name | Version | Build Time | Scheduled |
|--------------|---------|----------------------|-----------|
| dude | 6.36 | Jul/20/2016 14:09:10 | |
| routeros-x86 | 6.36 | Jul/20/2016 14:09:10 | |
| advanced-... | 6.36 | Jul/20/2016 14:09:10 | |
| dhcp | 6.36 | Jul/20/2016 14:09:10 | |
| hotspot | 6.36 | Jul/20/2016 14:09:10 | |
| ipv6 | 6.36 | Jul/20/2016 14:09:10 | |
| mpls | 6.36 | Jul/20/2016 14:09:10 | |
| ppp | 6.36 | Jul/20/2016 14:09:10 | |
| routing | 6.36 | Jul/20/2016 14:09:10 | |
| security | 6.36 | Jul/20/2016 14:09:10 | |
| system | 6.36 | Jul/20/2016 14:09:10 | |
| ups | 6.36 | Jul/20/2016 14:09:10 | |
| wireless-cm2 | 6.36 | Jul/20/2016 14:09:10 | |

13 items

v6.x Dude changes

| Dude Server |
|-------------|
| All CCR |
| CHR/x86 |
| RB3011 |

| Dude Client |
|--------------|
| Windows |
| No Web |
| English only |

v6.x Dude changes

Login password from MikroTik RouterOS

New user policy Dude

The screenshot displays two windows from the MikroTik WinBox v6.37rc20 interface. The left window, titled 'admin@10.5.99.202 (MikroTik) - WinBox v6.37rc20 on CHR (x86_64)', shows the 'User List' window with a table of users. A red arrow points to the 'dude' user. The right window, titled 'not connected - The Dude 6.37rc20', shows the 'FIREWALL AND BANDWIDTH CONTROL' settings. A red arrow points to the 'User Name' field, which is set to 'dude'.

User List Window:

| Name | Group | Allowed Address | Last Lo |
|-------------------------|-------|-----------------|---------|
| ;;; system default user | | | |
| admin | full | | |
| dude | full | | |

Group <full> Window:

Name: full

Policies:

- ☒ local
- ☒ ssh
- ☒ reboot
- ☒ write
- ☒ test
- ☒ password
- ☒ sniff
- ☒ api
- ☒ dude
- ☒ telnet
- ☒ ftp
- ☒ read
- ☒ policy
- ☒ winbox
- ☒ web
- ☒ sensitive
- ☒ romon

Skin: default

The Dude 6.37rc20 Window:

Server: 10.5.99.202

Mode: ☒ plain ☐ secure

Port: 8291

User Name: dude

Remember Password: ☒

Comment:

v6.x Dude server control

```
[admin@MikroTik] >  
[admin@MikroTik] > dude print  
        enabled: yes  
data-directory: dude  
        status: running  
[admin@MikroTik] >  
[admin@MikroTik] > _
```

v6.x Dude server port

8291 port

For plain and secure mode

v6.x Dude other changes

Major issues fixes

Minor issues fixes

Implementing new features

v6.x Dude changes

Follow MikroTik RouterOS version changelog (look for dude)

Changes are discussed in MikroTik forum at Dude section

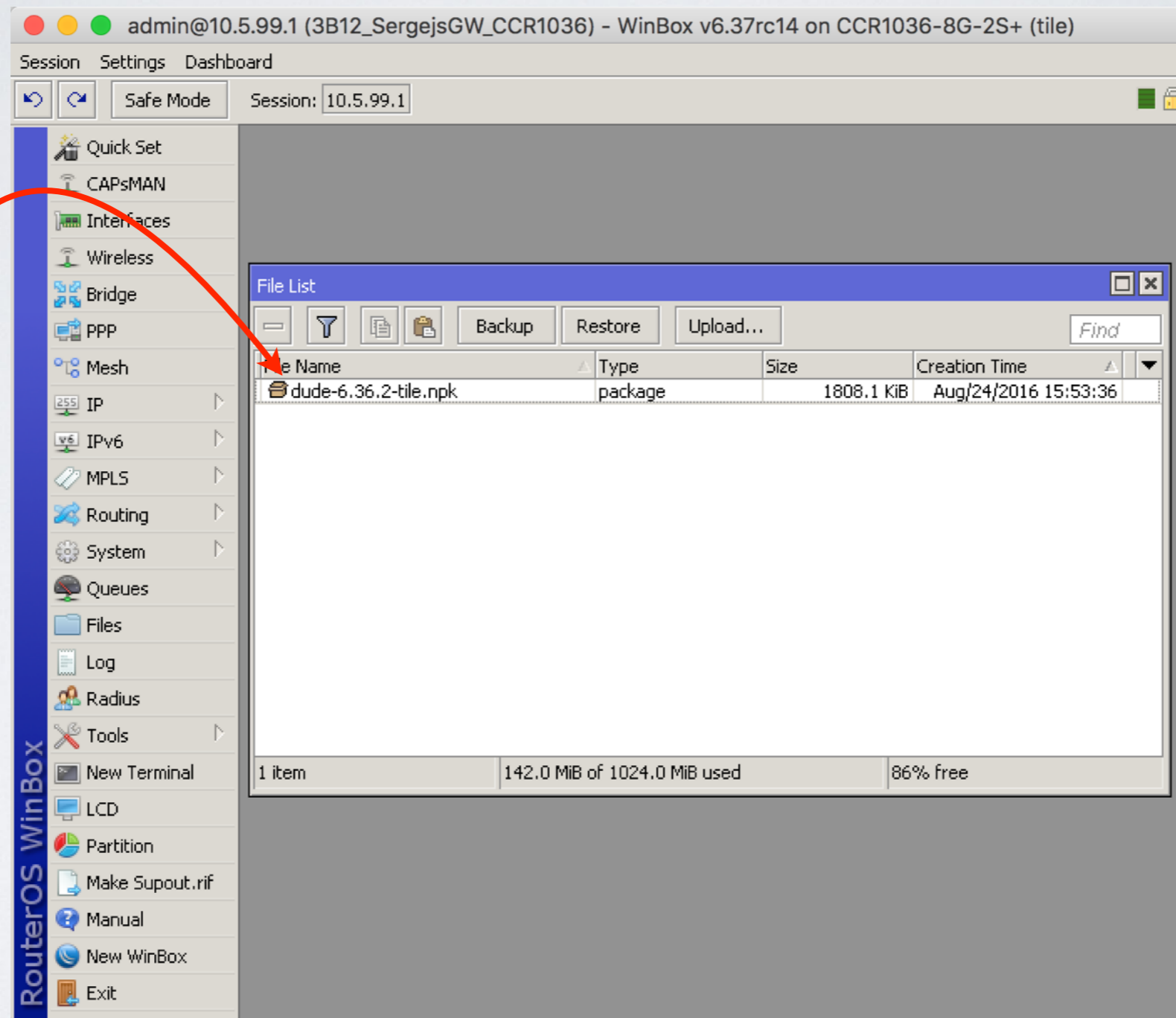
Workshop

Install Dude server on CCR

RouterOS

| | 6.34.6 (Bugfix only) | 6.36.2 (Current) | 5.26 (Legacy) | 6.37rc20 (Release candidate) |
|------------------------|---|------------------|---------------|------------------------------|
| MIPSBE | CRS, NetBox, NetMetal, PowerBox, QRT, RB9xx, hAP, mAP, RB4xx, cAP, hEX, wAP, BaseBox, DynaDish, RB2011, SXT, OmniTik, Groove, Metal, Sextant, RB7xx | | | |
| Main package | ↓ | ↓ | ↓ | ↓ |
| Extra packages | ↓ | ↓ | ↓ | ↓ |
| SMIPS | hAP lite | | | |
| Main package | ↓ | ↓ | - | ↓ |
| Extra packages | ↓ | ↓ | - | ↓ |
| TILE | CCR | | | |
| Main package | ↓ | ↓ | - | ↓ |
| Extra packages | ↓ | ↓ | - | ↓ |
| The Dude server | ↓ | ↓ | - | ↓ |
| PPC | RB3xx, RB600, RB8xx, RB1xxx | | | |
| Main package | ↓ | ↓ | ↓ | ↓ |
| Extra packages | ↓ | ↓ | ↓ | ↓ |
| ARM | RB3011 | | | |

Install Dude server on CCR



Dude on CHR

| Package List | | | | | | | | |
|--------------|-------------------|----------------------|-----------|-----------|------------|-----------|--------------------|------|
| | Check For Updates | Enable | Disable | Uninstall | Unschedule | Downgrade | Check Installation | Find |
| Name | Version | Build Time | Scheduled | | | | | |
| dude | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| routeros-x86 | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| advanced-... | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| dhcp | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| hotspot | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| ipv6 | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| mpls | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| ppp | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| routing | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| security | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| system | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| ups | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| wireless | 6.37rc20 | Aug/19/2016 06:35:23 | | | | | | |
| 13 items | | | | | | | | |

Preinstalled

CHR

Virtualbox

VMwave

Hyper-V

Amazon Web-services

CHR

Oracle VM VirtualBox Manager

New Settings Discard Show

CHR_dudeserver
Running

General

Name: CHR_dudeserver
Operating System: Other Linux (64-bit)

System

Base Memory: 256 MB
Boot Order: Floppy, Optical, Hard Disk
Acceleration: VT-x/AMD-V, Nested Paging, PAE/NX, KVM Paravirtualization

Display

Video Memory: 16 MB
Remote Desktop Server: Disabled
Video Capture: Disabled

Storage

Controller: IDE
IDE Primary Master: chr-6.36.vdi (Normal, 128,00 MB)
IDE Secondary Master: [Optical Drive] Empty

Audio

Host Driver: CoreAudio
Controller: ICH AC97

Network

Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, en4: USB 10/100/1000 LAN)

USB

USB Controller: OHCI
Device Filters: 0 (0 active)

Preview

```
mm mm mm 111 00000 000 000 000 000 111 111 00000
mm mm mm 111 000 000 000000 000 000 111 111 000 000
mm mm mm 111 000 000 000 000 000000 111 111 000 000

Mikrotik RouterOS 6.36rc01 (1) 1979-2006. http://www.mikrotik.com/

CLI Gives the list of available commands.
command CLI Gives help on the command and list of arguments.
?tab1 Completes the command-word. If the input is ambiguous,
a second ?tab1 gives possible options.
? Run up to base level.
? Run up one level.
? Run command at the base level.
msg:24-0016 03:20:30 system,error,critical router was rebooted without proper sh
?
admin@Mikrotik:~$
```

Few words about CHR

60 days free trial

Multiplatform

License transfer

64-bit CPU support

| Level | Price | Support |
|------------|---------------|-----------|
| Free | 60 days trial | unlimited |
| PI | \$45 | 1 Gbps |
| PI0 | \$95 | 10Gbps |
| Punlimited | \$250 | unlimited |

Things to consider

Disk space on RouterBOARDS!!

Regular Backups

Use secure mode

Live demo

Live demo plan

connect

secure by password

change port

set ACL for Access

Live demo plan 2

Add routers

Setup notifications (sms, e-mail)

Setup custom probes (for example SNMP)

Live demo plan 3

Modify description and add

version, SSID, number of clients at 2GHz/5GHz, uptime

upgrade devices

Live demo plan 3

RouterOS version [oid("1.3.6.1.4.1.14988.1.1.4.4.0")]

2GHz clients [ros_command(":put [/interface wireless registration-table print count-only where interface=wlan1]")]

5GHz clients [ros_command(":put [/interface wireless registration-table print count-only where interface=wlan2]")]

uptime [ros_command(":put /system resource get uptime")]

Future of the Dude

Provisioning

CAPsMAN integration

Web access and App

other features

Future of the Dude

Your suggestions —————→ support@mikrotik.com



Thank you!

