

# The Dude. Просто и безболезненно

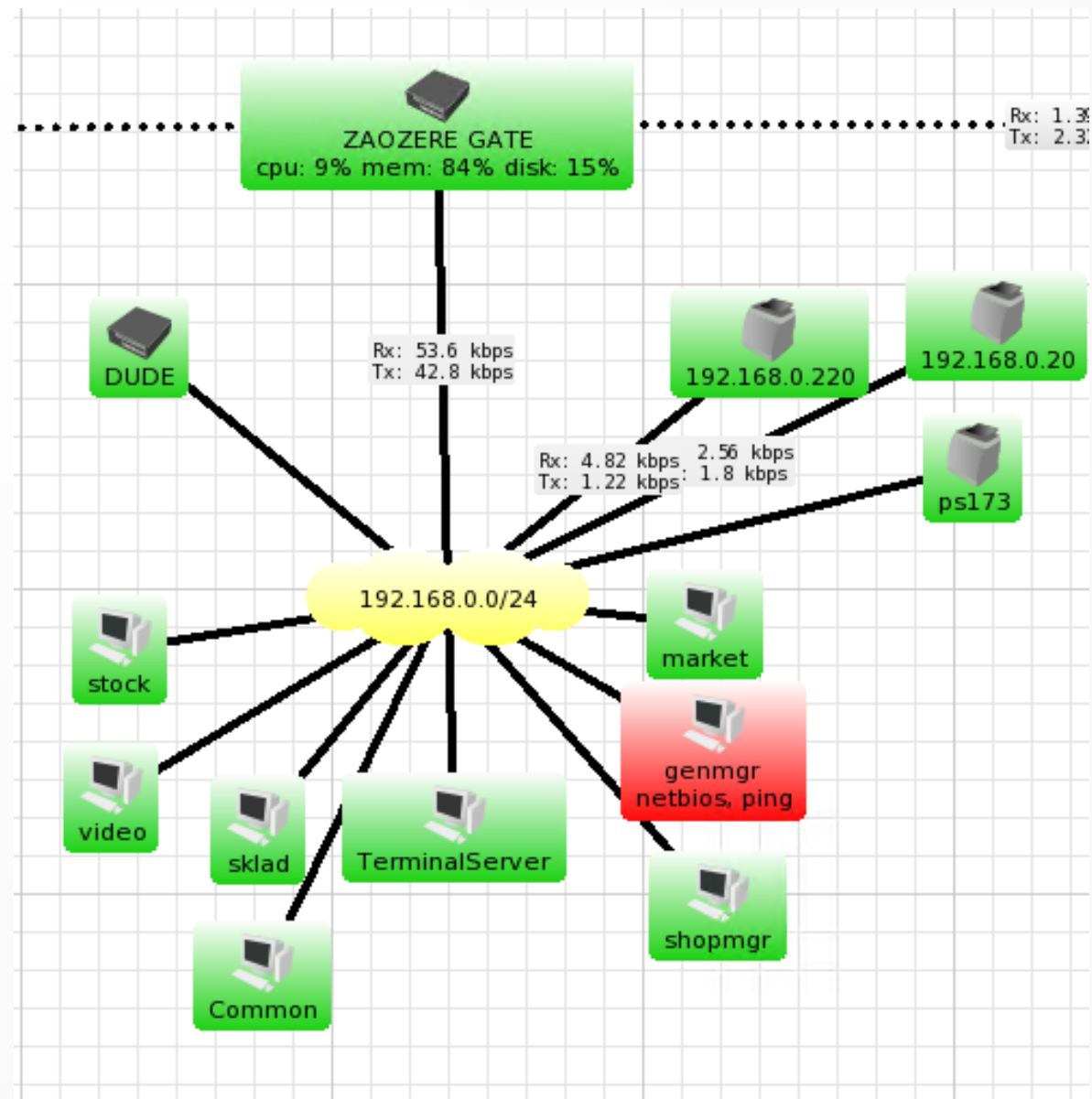
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MTCNA, MTCRE, MTCWE, MTCSE

<https://wnet.shop>

# Преимущества The Dude

- Простая установка
- Простое конфигурирование
- Уведомления
- Карты сети
- Быстрый доступ к устройствам сети
- Бесплатность



























# Начало работы с Dude

- Установка
- `/dude set enabled=yes`
- Обнаружение устройств
- Настройка дополнительных параметров

# Установка

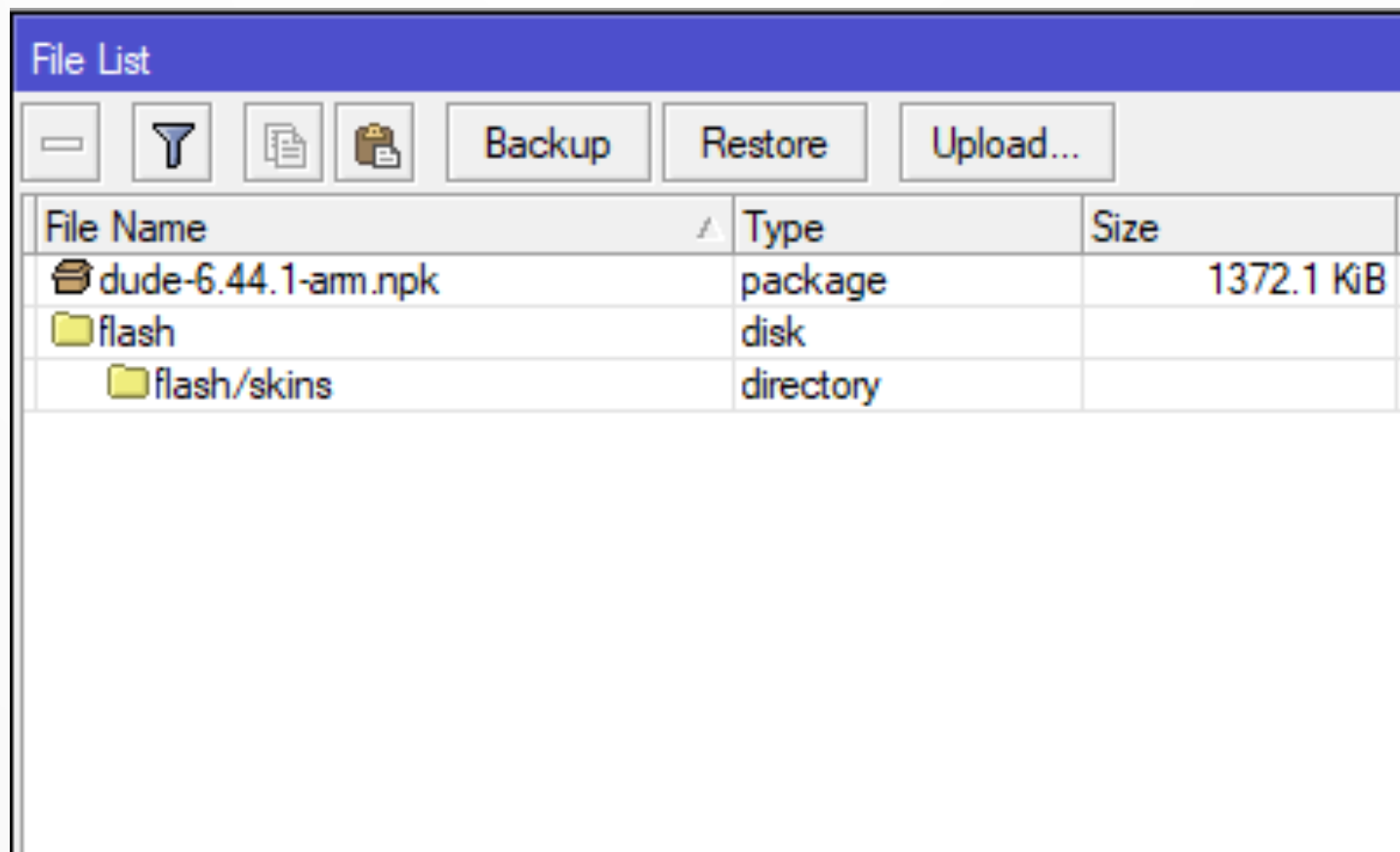
Качаем пакет с [mikrotik.com](http://mikrotik.com) под нужную архитектуру:

**TILE, ARM, MMIPS или X86.**

<b>TILE</b>	CCR		
Main package			
Extra packages			
The Dude server			
<b>PPC</b>	RB3xx, RB600, RB8xx, RB1100AHx2, RB1100AH, RB1100, RB1200		
Main package			
Extra packages			
<b>ARM</b>	cAP ac, DISC AC, hAP ac², LDF ac, LHG ac, RB4011, SXTsq (ac series), Wireless Wire, CRS3xx, RB3011, RB1100AHx4, RB450Gx4		
Main package			
Extra packages			
The Dude server			

# Установка

Переносим файл в Winbox и перезагружаем роутер

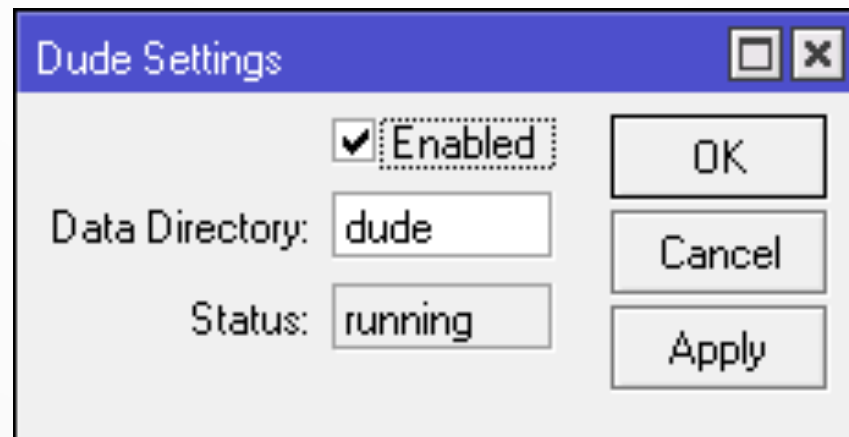


The screenshot shows the 'File List' window in Winbox. The window has a blue header and a toolbar with icons for file operations and buttons for 'Backup', 'Restore', and 'Upload...'. Below the toolbar is a table listing files and folders.

File Name	Type	Size
dude-6.44.1-am.npk	package	1372.1 KiB
flash	disk	
flash/skins	directory	

# Установка

Включаем Dude через Winbox в Dude->Settings



# Установка клиента

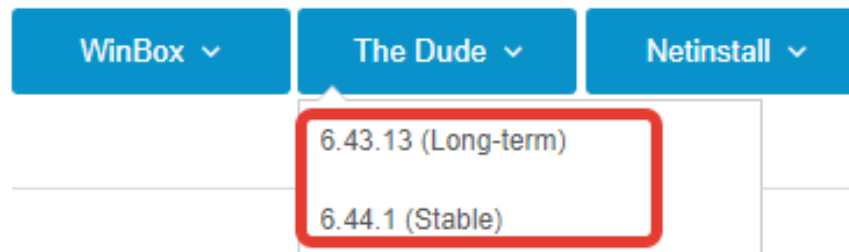
## Качаем и устанавливаем Dude Client

### Upgrading RouterOS

If you are already running RouterOS, upgrading to the latest version can be done by clicking on **"Check For Updates"** in **QuickSet** or **System > Packages** menu in WebFig or WinBox.

See the [documentation](#) for more information about upgrading and release types.

To manage your router, use the web interface, or download the maintenance utilities. Winbox to connect to your device, Dude to monitor your network and Netinstall for recovery and re-installation.



# Обнаружение устройств

**Device Discovery** [Close]

General | Services | Device Types | Advanced

Enter subnet number you want to scan for devices

Scan Networks: 10.0.0.0/8  
172.16.0.0/12  
192.168.0.0/16

Agent: default

Add Networks To Auto Scan

Black List:

Device Name Preference: DNS, SNMP, NETBIOS, IP

Discovery Mode:  fast (scan by ping)  reliable (scan each service)

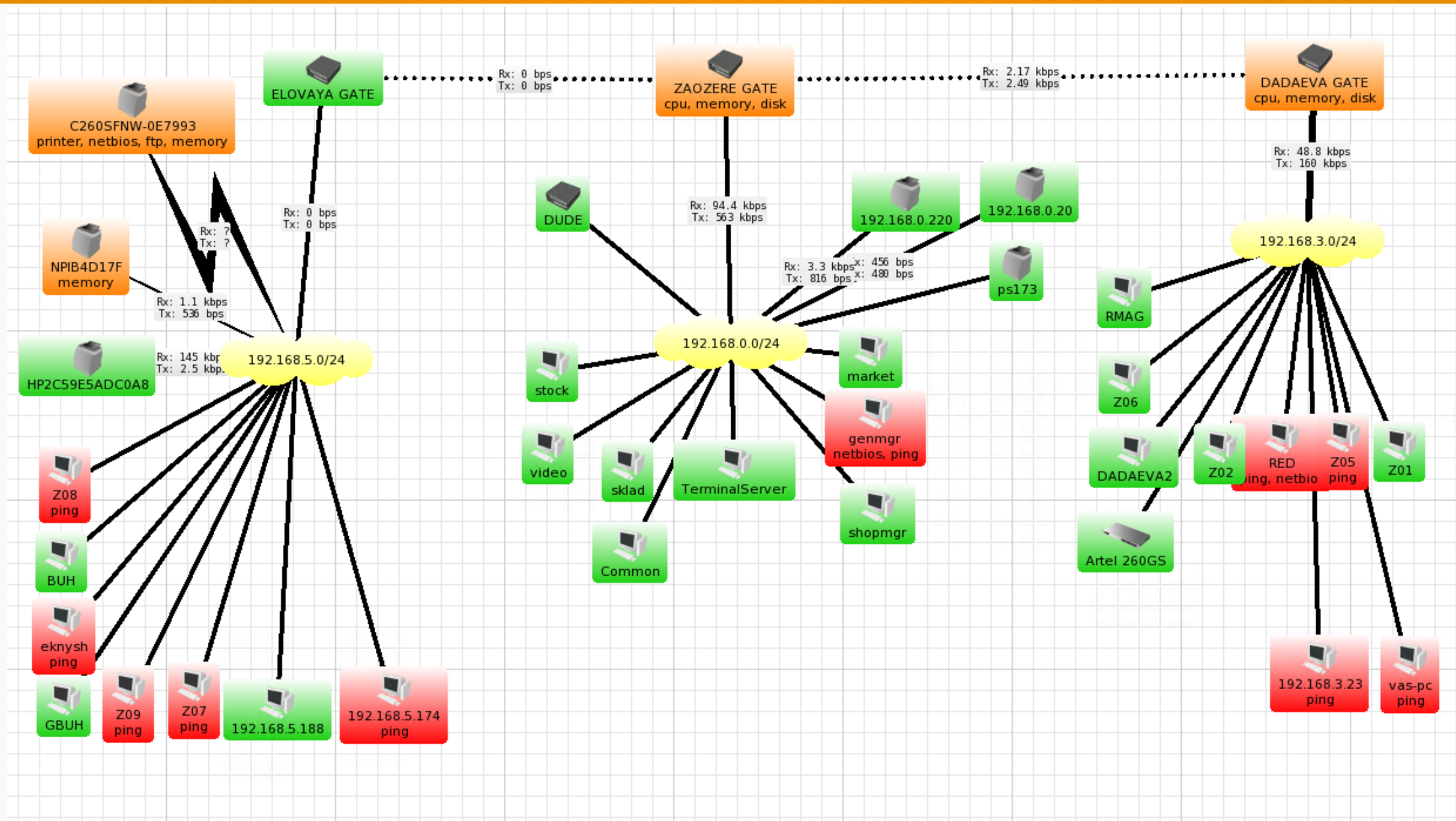
Recursive Hops: 0

Layout Map After Discovery Complete

Discover Cancel



# ИТОГ



# Настройка почты

The screenshot displays the Mikrotik WinBox interface with the 'Notifications' configuration window open. The left sidebar shows a tree view with 'Notifications' selected. The central pane shows a list of notification types, with 'Notification' (email) highlighted. The right pane shows the configuration details for this notification.

Name	Type
beep	beep
Notification	email
flash	flash
log to events	log
log to syslog	log
popup	popup

**General** | Schedule | Advanced

Name: Notification

Enabled

Type: email

Server IP:

Server Dns Name: smtp.yandex.ru

Server Port:  465

User: from@wnet.shop

Password:

Tls Mode: tls-only

From: from@wnet.shop

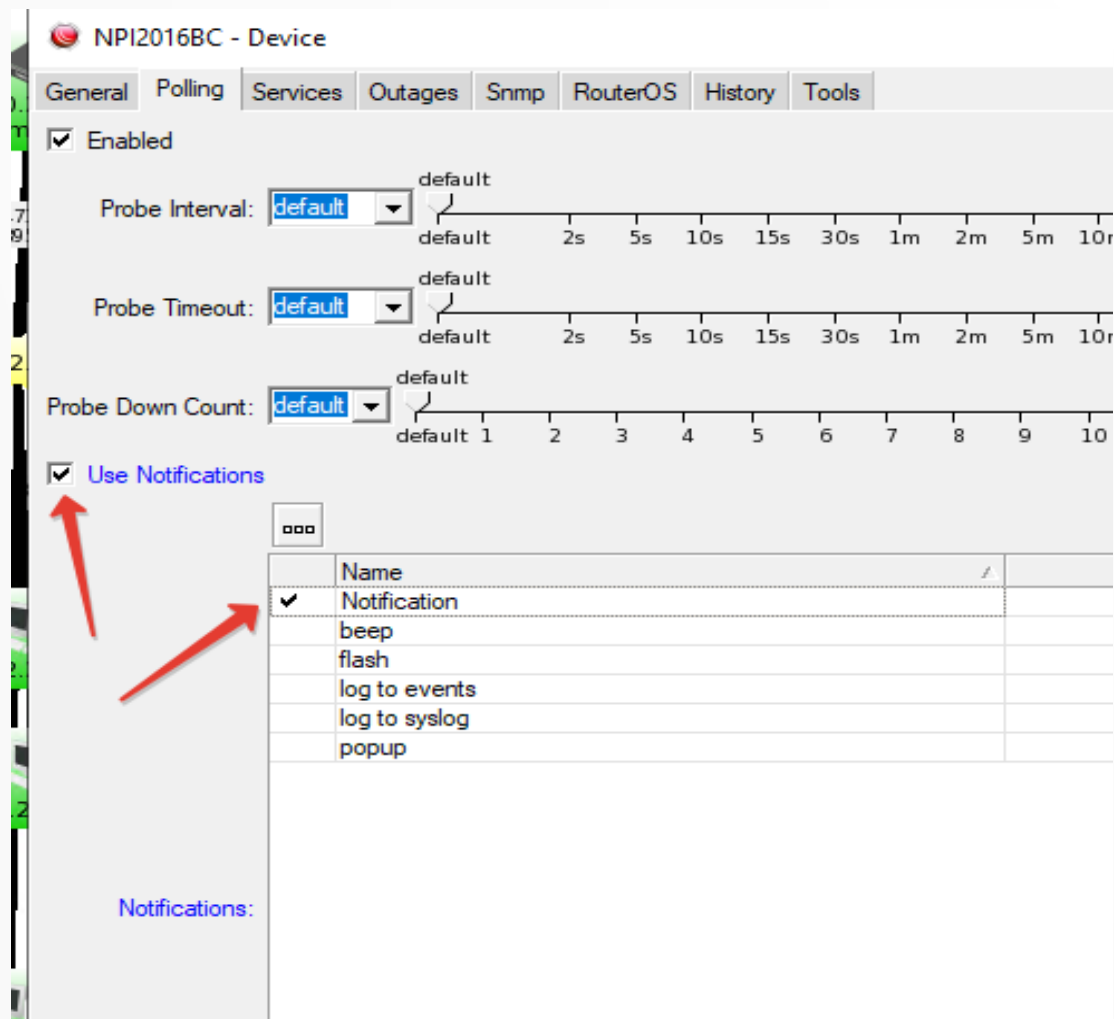
To: toi@wnet.shop

Cc:

Subject: Service [Probe.Name] on [Device.Name] is now [Service.Status] [TimeAndDate]

Body: Service [Probe.Name] on [Device.Name] is now [Service.Status] ([Service.ProblemDescription])

# Уведомления



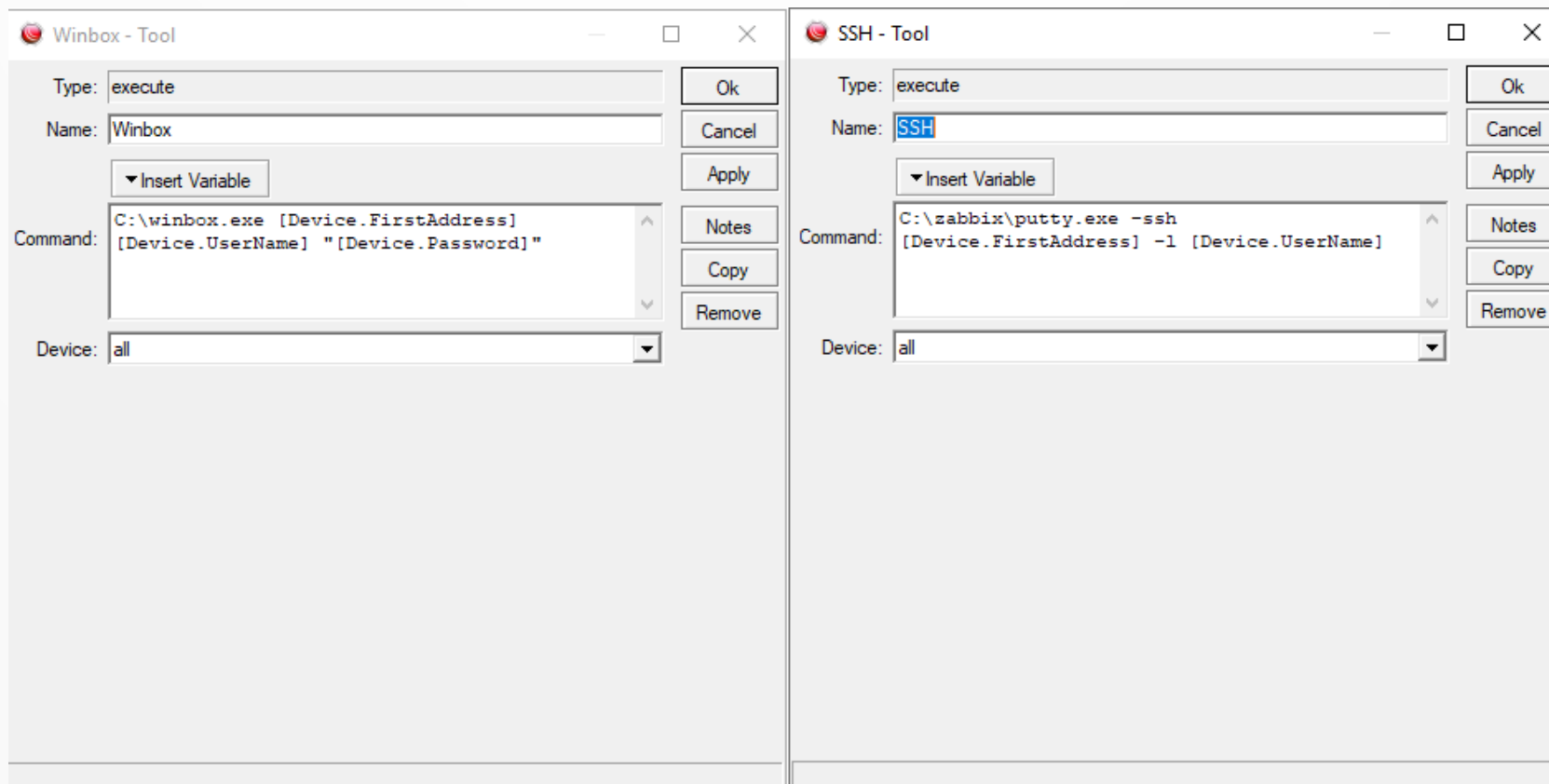
The screenshot shows the configuration page for a device named 'NPI2016BC - Device'. The 'Services' tab is selected. Under the 'Enabled' section, the 'Use Notifications' checkbox is checked. Below this, a table lists various notification methods. The 'Notification' checkbox is also checked. The table lists the following notification methods: beep, flash, log to events, log to syslog, and popup. Two red arrows point to the 'Use Notifications' checkbox and the 'Notification' checkbox in the table.

Name
<input checked="" type="checkbox"/> Notification
beep
flash
log to events
log to syslog
popup

- Уведомления включаются на каждом устройстве отдельно
- Может быть несколько различных каналов для сообщений

# Tools

- Настройка подключения Winbox для большого парка RouterOS  
`C:\winbox.exe [Device.FirstAddress] [Device.UserName] "[Device.Password]"`
- Подключение по ssh
- `C:\putty.exe -ssh [Device.FirstAddress] -l [Device.UserName] -pw [Device.Password]`



# Еще больше возможностей

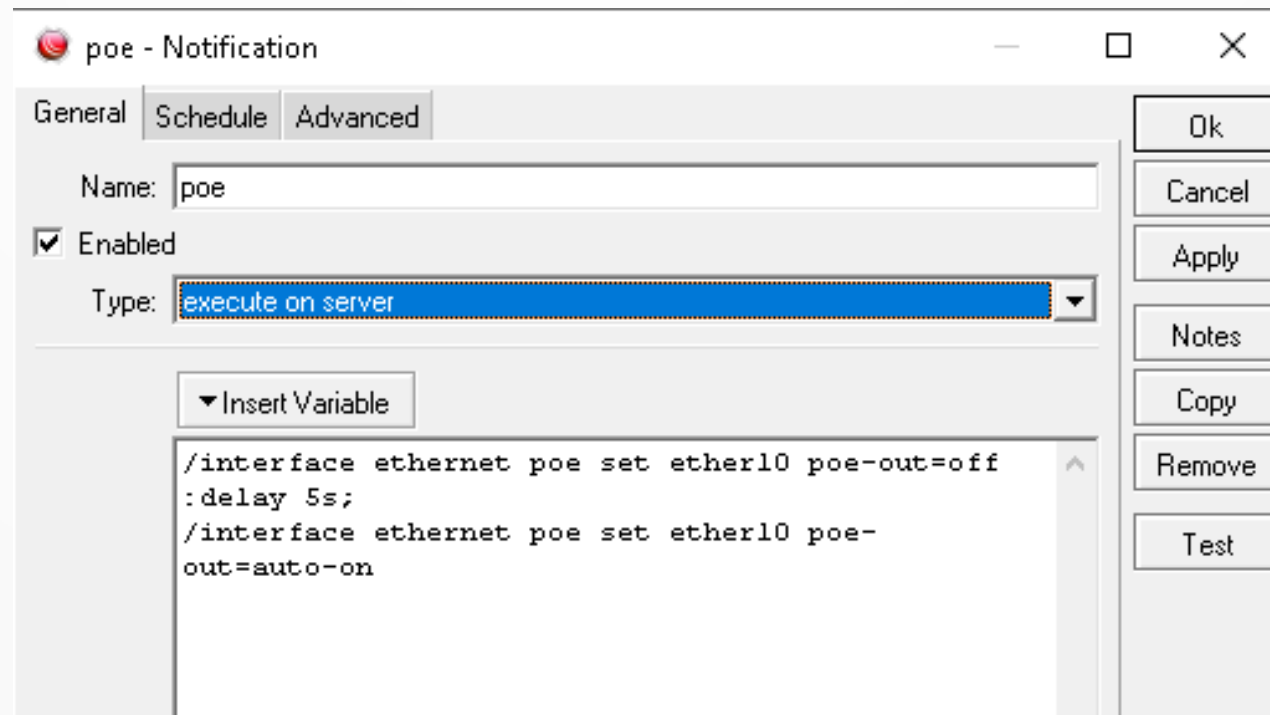
- Использование скриптов
- Единый сервер логирования (syslog)
- Единый сервер обновлений
- Мониторинг сети через агентов

# Скрипты

Перезагрузка poe-камеры

```
/interface ethernet poe set ether10 poe-out=off  
:delay 5s;
```

```
/interface ethernet poe set ether10 poe-out=auto-on
```



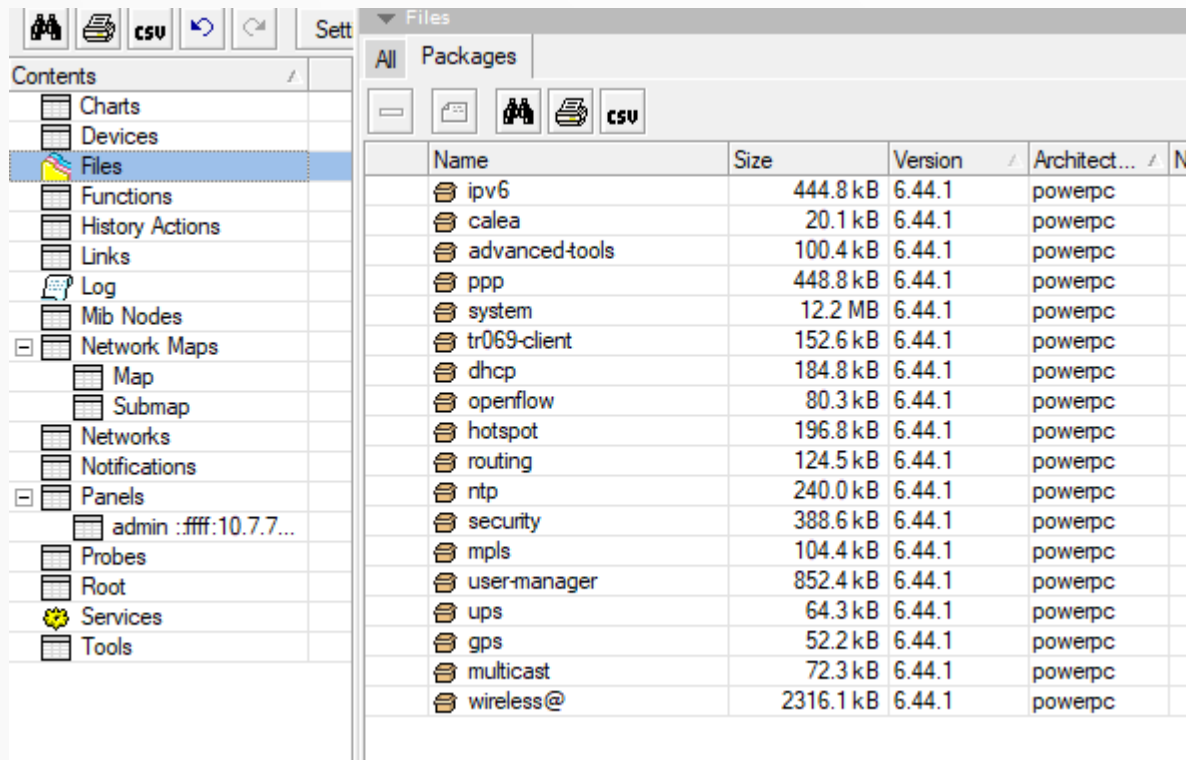
# Syslog

На удаленных роутерах System -> Logging

The image shows two overlapping configuration windows from a network device's GUI. The left window, titled 'Log Rule <critical>', has a 'Topics' dropdown set to 'critical', an empty 'Prefix' field, and an 'Action' dropdown set to 'dude'. The right window, titled 'Log Action <dude>', has a 'Name' field set to 'dude', a 'Type' dropdown set to 'remote', a 'Remote Address' field set to '192.168.5.15', a 'Remote Port' field set to '514', an empty 'Src. Address' field, an unchecked 'BSD Syslog' checkbox, a 'Syslog Facility' dropdown set to '3 (daemon)', and an empty 'Syslog Severity' dropdown. Both windows have 'OK', 'Cancel', and 'Apply' buttons. The 'Log Rule' window also has 'Disable', 'Copy', and 'Remove' buttons. The 'Log Action' window also has 'Copy' and 'Remove' buttons. The 'Log Rule' window has a status bar at the bottom that says 'enabled'.

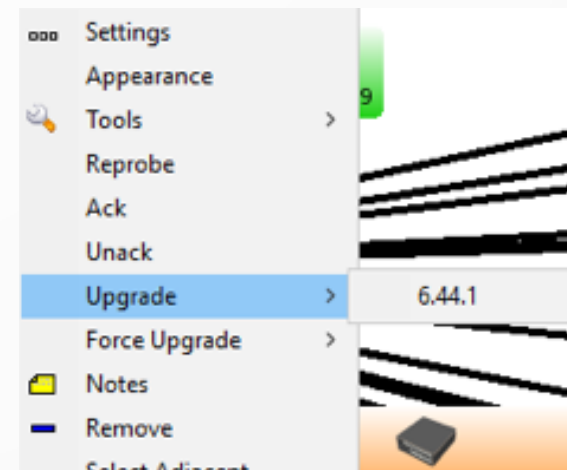
# Сервер обновлений

Добавление файлов происходит через Winbox.  
Обновить можно только архитектуры,  
для которых есть пакеты



The screenshot shows the Mikrotik Winbox interface. On the left is a 'Contents' sidebar with 'Files' selected. The main window displays a table of installed packages. The table has columns for Name, Size, Version, and Architecture. All listed packages are for the 'powerpc' architecture and version '6.44.1'.

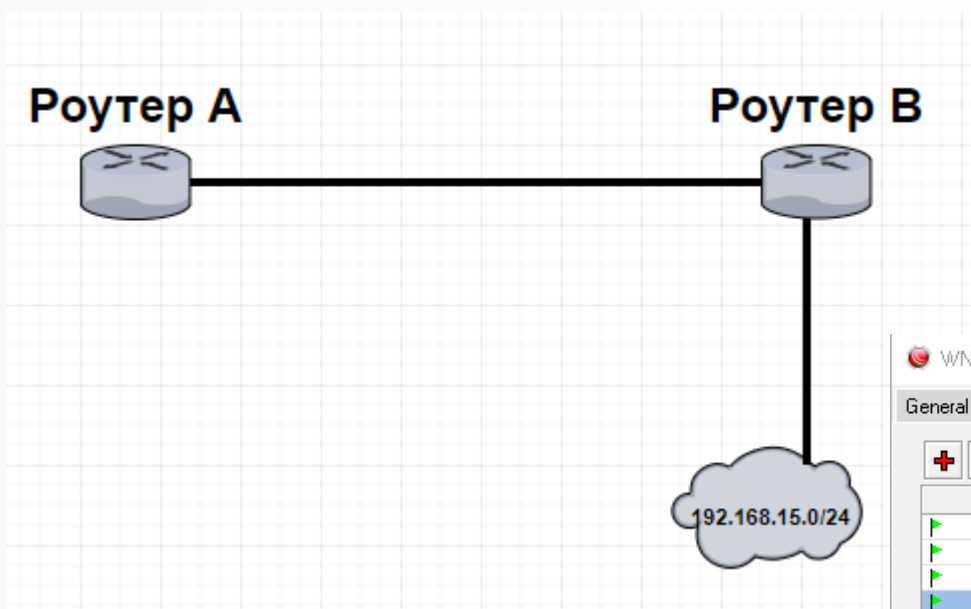
Name	Size	Version	Architect...	N
ipv6	444.8 kB	6.44.1	powerpc	
calea	20.1 kB	6.44.1	powerpc	
advanced-tools	100.4 kB	6.44.1	powerpc	
ppp	448.8 kB	6.44.1	powerpc	
system	12.2 MB	6.44.1	powerpc	
tr069-client	152.6 kB	6.44.1	powerpc	
dhcp	184.8 kB	6.44.1	powerpc	
openflow	80.3 kB	6.44.1	powerpc	
hotspot	196.8 kB	6.44.1	powerpc	
routing	124.5 kB	6.44.1	powerpc	
ntp	240.0 kB	6.44.1	powerpc	
security	388.6 kB	6.44.1	powerpc	
mpls	104.4 kB	6.44.1	powerpc	
user-manager	852.4 kB	6.44.1	powerpc	
ups	64.3 kB	6.44.1	powerpc	
gps	52.2 kB	6.44.1	powerpc	
multicast	72.3 kB	6.44.1	powerpc	
wireless@	2316.1 kB	6.44.1	powerpc	



The screenshot shows the 'Tools' menu in Mikrotik Winbox. The 'Upgrade' option is highlighted, and a submenu is visible showing the current version '6.44.1'. Other menu items include Settings, Appearance, Reprobe, Ack, Unack, Force Upgrade, Notes, and Remove.



# Мониторим не с сервера



WNETNAS - Device

General Polling Services Outages Snmp History Tools

Service

General Notifications Outages History

Device: WNETNAS Status: up

Probe: ping Problem:

Agent: 10.7.7.91 Probes Down: 0

Time Last Up: 00:00:50

Time Last Down: 00:00:00

Time Up: 21d 05:50:44

Time Down: 00:00:00

Enabled

Probe Port:

Probe Interval: default  default 1m 1h 1d

Probe Timeout: default  default 1m 1h 1d

Probe Down Count: default  default 5 8 12 20

Ok

Ok

Cancel

Apply

Notes

Copy

Remove

Reprobe

Ack

Unack

# Вопросы

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