NetFlow

Wi-Fi , , WNAM NetFlow, / .

, "", , (NAT). , " ... ... vk.com" , , .

(Mikrotik, Cisco-) () , IP- . , , , .

NetFlow (URL) . , SSL ( ) (DPI).

1.2 1.5.2222 WNAM () NetFlow MongoDB . :

- - NetFlow;
- , ;
- .

:

- , (MongoDB);
- NetFlow .

1.5.2222 WNAM NetFlow, :

- NetFlow - nfcapd, ;
- WNAM nfcap .

NetFlow flows, , . / NetFlow , . . , NetFlow.

WNAM 1.5.2222 Netflow UDP- 20002. **/home/wnam/wnam.properties** :

```
is_netflow_internal=false
```

nfdump :

```
apt-get install nfdump
```

, . , UDP- , ..:

```
vi /etc/default/nfdump
nfcapd_start=yes
```

:

```
service nfdump restart
```

:

```
service nfdump status
```

:

```
nfdump.service - netflow capture daemon
Loaded: loaded (/lib/systemd/system/nfdump.service; enabled; vendor preset:
enabled)
Active: inactive (dead) since Fri 2019-08-09 13:51:13 MSK; 3s ago
Process: 15298 ExecStart=/usr/bin/nfcapd -D -l /var/cache/nfdump -P /var/run
/nfcapd.pid -p 2055 (code=exited, status=0/SUCCESS)
Main PID: 15298 (code=exited, status=0/SUCCESS)
Tasks: 1 (limit: 4915)
CGroup: /system.slice/nfdump.service
15300 /usr/bin/nfcapd -D -l /var/cache/nfdump -P /var/run/nfcapd.pid -p 2055

 09 13:51:13 debian64 systemd[1]: Started netflow capture daemon.
 09 13:51:13 debian64 nfcapd[15300]: Startup.
 09 13:51:13 debian64 nfcapd[15300]: Init IPFIX: Max number of IPFIX tags: 62
```

netflow- **/var/cache/nfdump**. .

```
root@debian64:~# ls -lat /var/cache/nfdump/ | head -n 20

drwxr-xr-x 2 root root 1523712  9 13:51 .
-rw-r--r-- 1 root root 276  9 13:51 nfcapd.current.15298
-rw-r--r-- 1 root root 9948  9 13:51 nfcapd.201908091347
-rw-r--r-- 1 root root 18740  9 13:47 nfcapd.201908091342
-rw-r--r-- 1 root root 14260  9 13:42 nfcapd.201908091337
-rw-r--r-- 1 root root 18236  9 13:37 nfcapd.201908091332
-rw-r--r-- 1 root root 15492  9 13:32 nfcapd.201908091327
```

/home/wnam/wnam.properties (**java- wnam**), , . :

```
nfdump_path=            nfdump,    /usr/bin/nfdump
nfdump_db=               ,    /var/cache/nfdump
```

NetFlow . WNAM 1 .

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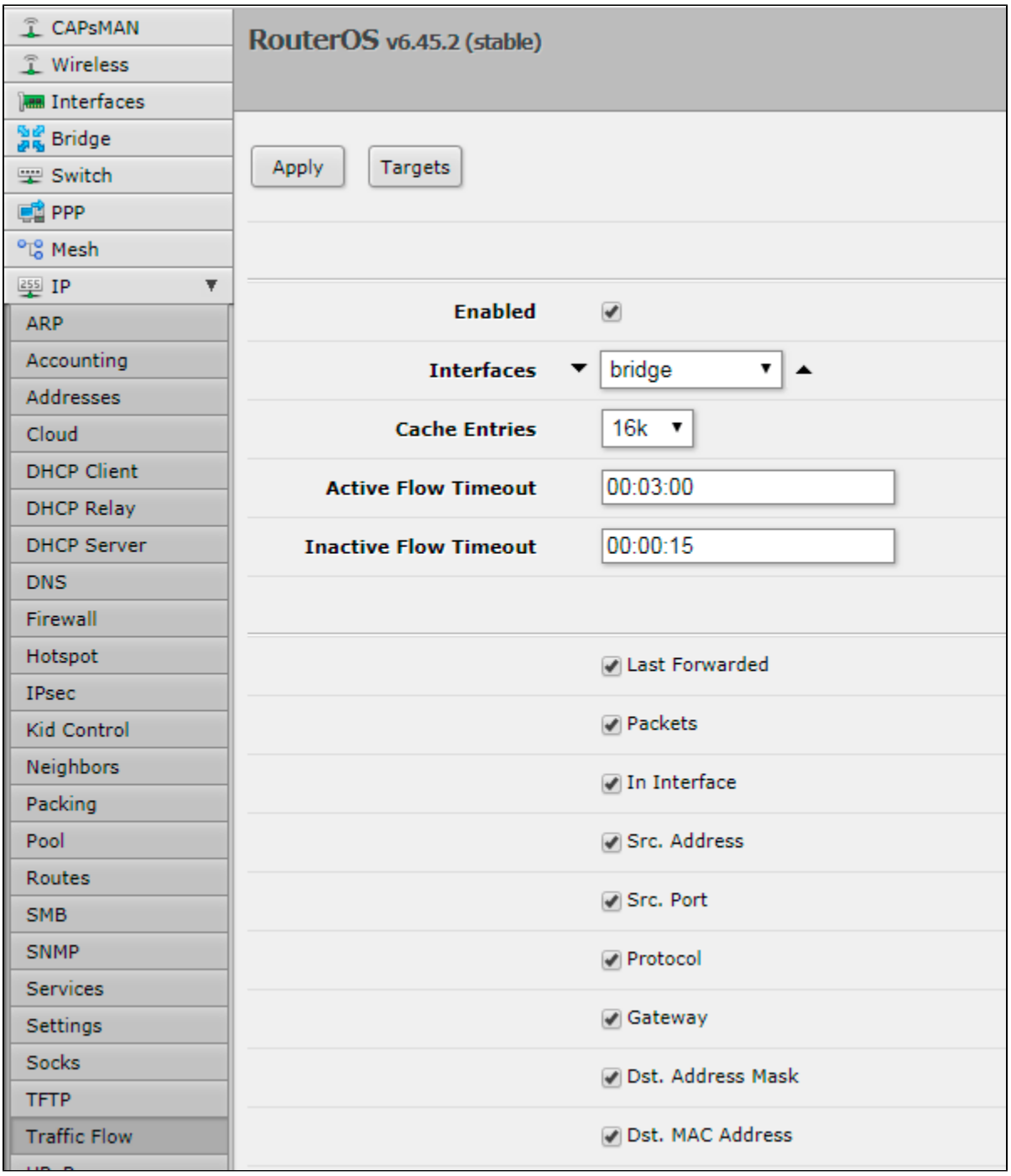
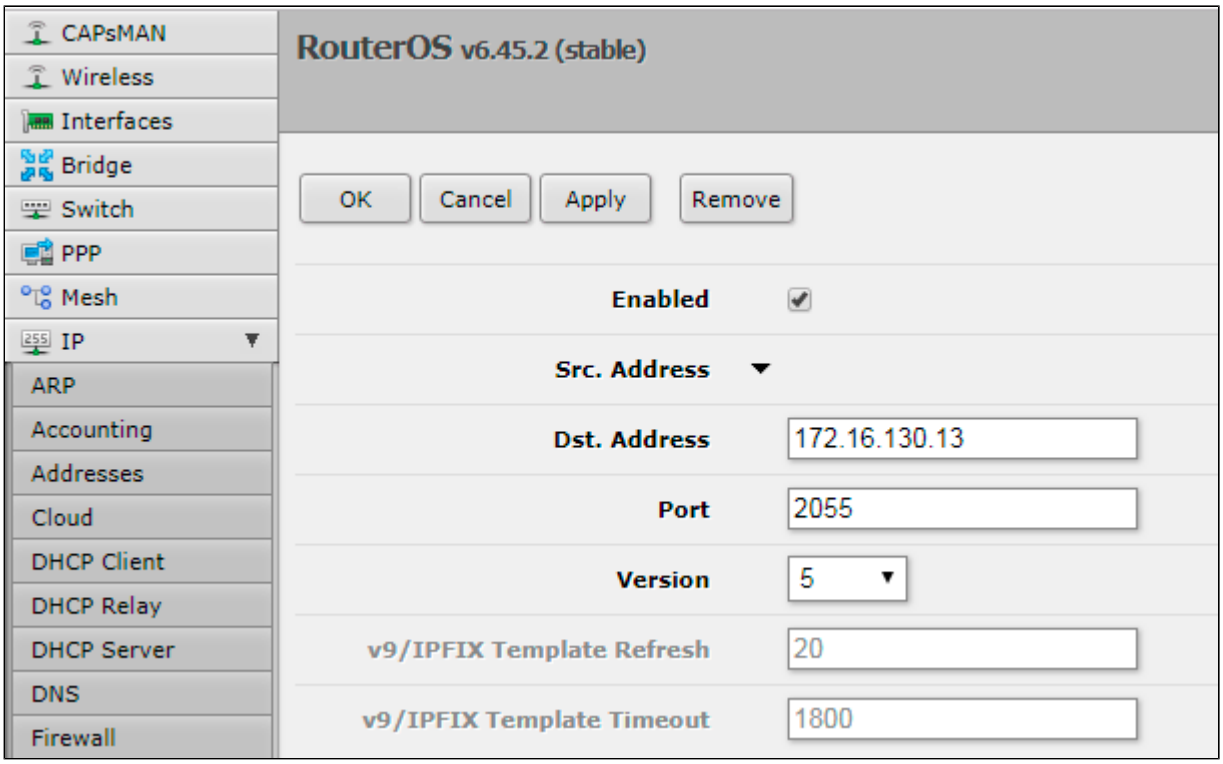
Mikrotik.

, , (NAT) IP- .



- , " - ".

WNAM (nfcapd 2055).



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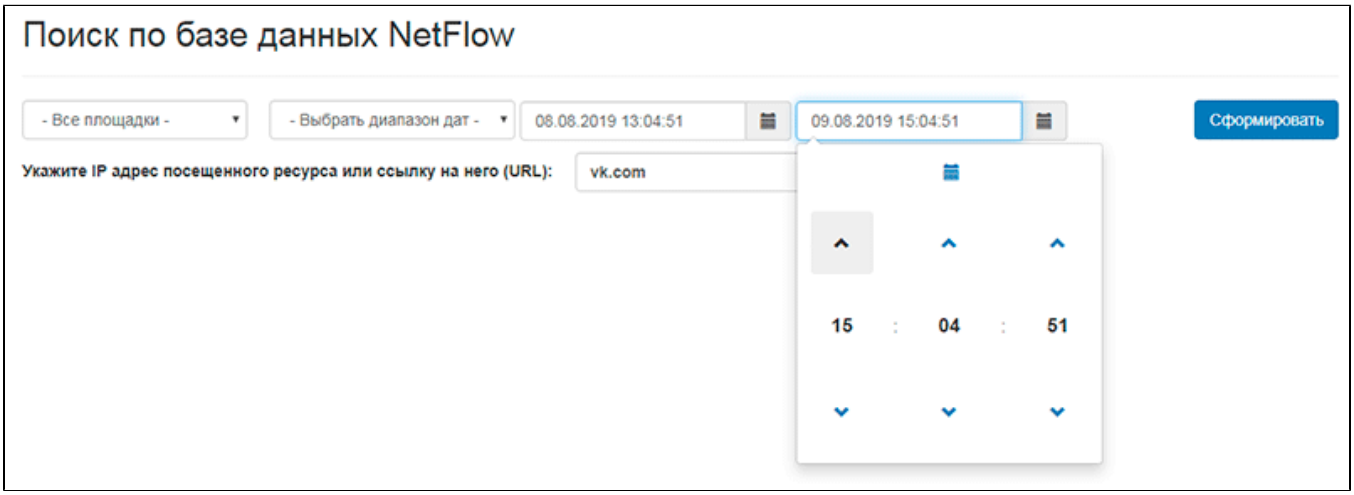
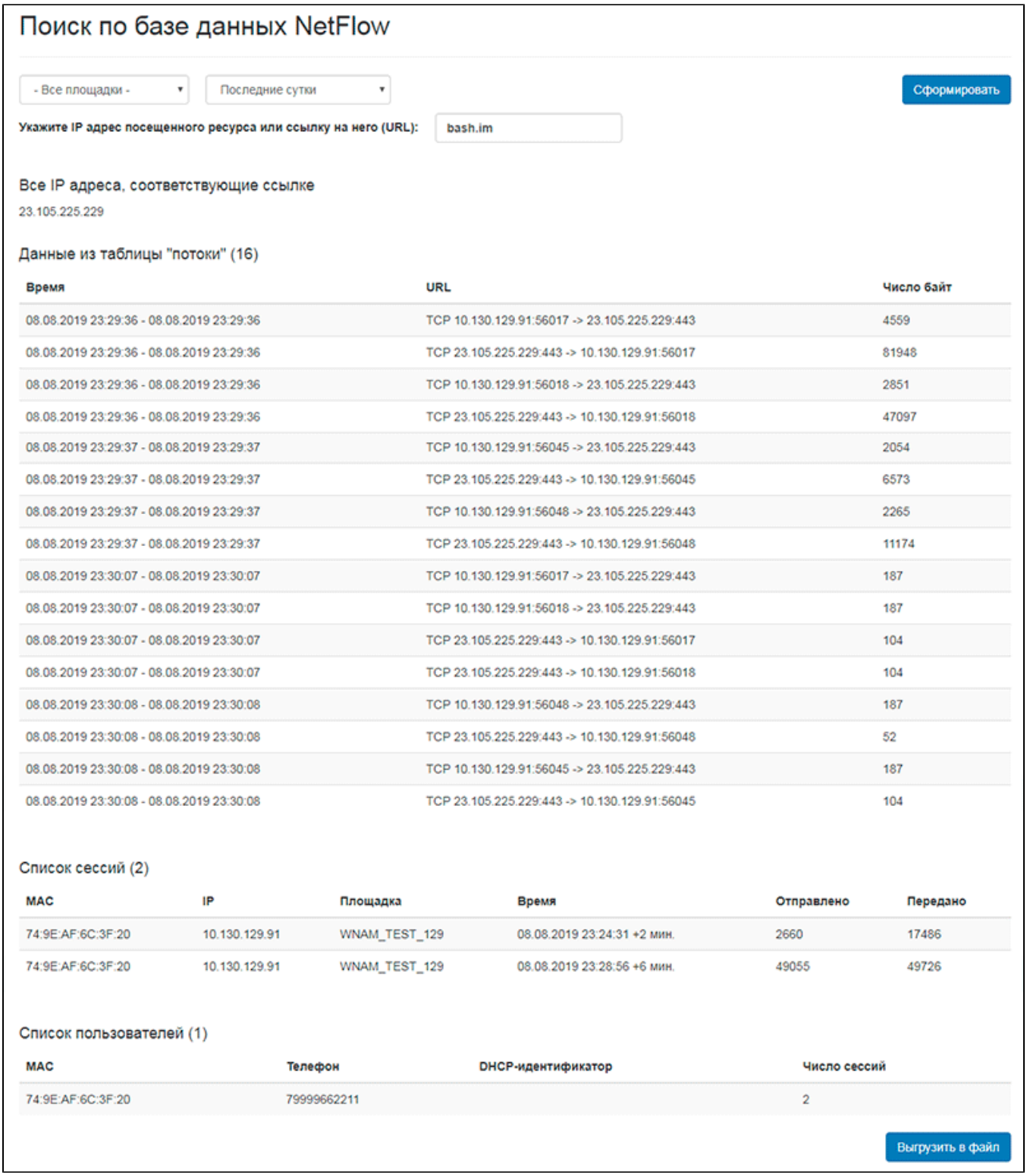
IP-, NetFlow, iptables WNAM.

IP- , (NetFlow).

WNAM "", "", "" . "" " " " NetFlow". (), IP- , Wi-Fi (), ( ).



"" (nfdump), WNAM . .



" IP- (URL)" IP-, . DNS-, IP- (IP) DNS WNAM .

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, (Wi-Fi). " " - . - 1000 . , .

(**rep_search_nf.csv**) (Excel). ( ).

1	Период	08.08.2019 13:04	09.08.2019 15:04			
2	URL	vk.com				
3	Данные из таблицы "потоки"					
4	Время	URL	Число байт			
5	08.08.2019 23:29:43 - 08.08.2019 23:29:43	TCP 10.130.129.91:56088 -> 93.186.225.197:80	581			
6	08.08.2019 23:29:43 - 08.08.2019 23:29:43	TCP 93.186.225.197:80 -> 10.130.129.91:56088	587			
7	08.08.2019 23:29:43 - 08.08.2019 23:29:43	TCP 10.130.129.91:56089 -> 93.186.225.197:443	1852			
8	08.08.2019 23:29:43 - 08.08.2019 23:29:43	TCP 93.186.225.197:443 -> 10.130.129.91:56089	5862			
9	08.08.2019 23:30:12 - 08.08.2019 23:30:12	TCP 10.130.129.91:56088 -> 93.186.225.197:80	40			
10	08.08.2019 23:30:12 - 08.08.2019 23:30:12	TCP 10.130.129.91:56089 -> 93.186.225.197:443	40			
11						
12	Список сессий					
13	MAC	IP	Площадка	Время	Отправлено	Передано
14	74:9E:AF:6C:3F:20	10.130.129.91	WNAM_TEST_129	08.08.2019 23:24:31 +2 мин.	2660	17486
15	74:9E:AF:6C:3F:20	10.130.129.91	WNAM_TEST_129	08.08.2019 23:28:56 +6 мин.	49055	49726
16						
17	Список пользователей					
18	MAC	Телефон	DHCP-идентификатор	Число сессий		
19	74:9E:AF:6C:3F:20	79999662211		2		

, "".

Потоки сессии 80a00011-190808-6c3f20

Пользователь: 10.130.129.91 [74:9E:AF:6C:3F:20] , площадка: 101 WNAM_TEST_129

Показывать: 10 записей на странице

URL	Время	Пакетов	Байт
TCP 88.212.252.22:443 -> 10.130.129.91:56034	08.08.2019 23:30:08	0	239
TCP 10.130.129.91:56041 -> 80.239.201.31:443	08.08.2019 23:30:08	0	187
TCP 10.130.129.91:56044 -> 80.239.201.31:443	08.08.2019 23:30:08	0	187
TCP 10.130.129.91:56045 -> 23.105.225.229:443	08.08.2019 23:30:08	0	187
TCP 23.105.225.229:443 -> 10.130.129.91:56045	08.08.2019 23:30:08	0	104
TCP 80.239.201.31:443 -> 10.130.129.91:56041	08.08.2019 23:30:08	0	104
TCP 80.239.201.31:443 -> 10.130.129.91:56044	08.08.2019 23:30:08	0	104
TCP 10.130.129.91:56070 -> 87.250.250.119:443	08.08.2019 23:30:10	0	187
TCP 10.130.129.91:56071 -> 87.250.250.119:443	08.08.2019 23:30:10	0	187
TCP 10.130.129.91:56078 -> 213.180.204.158:443	08.08.2019 23:30:10	0	187
TCP 10.130.129.91:56080 -> 213.180.204.158:443	08.08.2019 23:30:10	0	187

Показано с 301 по 310 из 406 записей

Предыдущая 1 ... 30 31 32 ... 41 Следующая

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- ;
- , NetFlow.

WNAM Zabbix. , **cron** ():

```
find /var/cache/nfdump -type f -ctime +90 -exec rm {} \;
```

NetFlow **rsync** :

```
rsync --delete -acvz -e ssh /var/cache/nfdump backup@backup-wnam.provider.ru:
nfdump
```

NetFlow (nfcapd) WNAM "" " " "Netflow".