

PolicyBasedEngine

PolicyBasedEngine (" ") FlatRate2, , , , -.

, , "...", jserver/db/, - pbe.cfg.

:

```
# , ( ) # -
# { } -
# :
# _ {
# _
# }
# - ,
# - rule, - , .

# include ""
# , condition ()
include defaultconditions.cfg

# (.)
prefix-file russian-nets {
    path: russian-subnets.txt
    reload: 60 # in minutes
}

# . - all_rus_ip,
#
condition all_rus_ip { # IP
    type: traffic
    protocol: ip
    srcdst: any
    source: any # 1.224.36.4/18 or ip_addr, ip_subnet/maskbits, prefix-file russian-nets
    destination: any # 5.6.7.8/31
    port: any
    src_port: any
    dst_port: any
    ds-type: any
    ds-tag: any
}

# , , 1
# -
accounting 1 {
    multiplier: megabyte #
    name: All IP traffic # , Props
    direction input { #
        tag: traffic-in #
        rate: 10 #
    }
    direction output { #
        tag: traffic-out
        rate: 10
    }
}

accounting web_acct { # -
    multiplier: megabyte
    name: All WEB traffic
    direction input {
        tag: web-in
        rate: 0
    }
    direction output {
        tag: web-out
        rate: 0
    }
}
```

```
# .
rule 1 {
    condition: all_rus_ip # (IP-, , data-source, ....) []
    accounting: 1 # , accounting 1
    filter: pass # or block
    next: continue # or stop
}

rule 2 {
    condition: 2
    accounting: web_acct
    filter: pass # or block
    next: continue # or stop
}

#
# defaultconditions.cfg, pbe.cfg

condition 2 { # -
    type: traffic
    protocol: tcp
    port: 80,81,8080,8888,443
}
```

pbe.cfg .

X.X.X.X/YY, X.X.X.X - , "212.140.10.0", YY - , "" . , "/0" "0.0.0.0" (IPv4), "/24" "255.255.255.0", "/32" "255.255.255.255" ().

, () , , , . "" (), . "" , :

- russian-subnets.txt (4719)
- ukrainean-subnets.txt (2172)

10 2011 [RIPE](#) , " " NeTAMS 3.4. "".

prefix-file reload (), (30), "" , "" . , (,) RIPE, "" , .

c (condition) (rule)

() ,:

```
rule 1 {
    condition: all_rus
    ...
```

"" , . :

condition:	()
condition: NOT	()
condition: 1 AND 2	()
condition: 1 OR 2	() ,