



nTurbo?????NP4???????IPS?????. ??????flow-based UTM?traffic??NPU??. ????????CPU loading????.

NTurbo offloads firewall sessions that include flow-based security profiles to NP4 or NP6 network processors.

Without NTurbo, or with NTurbo disabled, all firewall sessions that include flow-based security profiles are processed by the FortiGate CPU.

NTurbo can only offload firewall sessions containing flow-based security profiles if the session could otherwise have been offloaded except for the presence of the flowbased security profiles. If something else prevents the session from being offloaded, NTurbo will not offload that session.

Firewall sessions that include proxy-based security profiles are never offloaded to network processors and are always processed by the FortiGate CPU.

nTurbo?????????:

1. ??proxy-based UTM
2. ??DoS-policy

SoC3???NP6lite???. ??????nTurbo?????.?default????, nTurbo??????.

```
FGT60E4Q16068668 (global) # get
fail-open      : disable
database       : regular
traffic-submit  : disable
anomaly-mode    : continuous
session-limit-mode : heuristic
intelligent-mode : enable
socket-size     : 32 (MB)
engine-count    : 0
algorithm       : engine-pick
sync-session-ttl : enable
np-accel-mode   : basic
cp-accel-mode   : advanced
skype-client-public-ipaddr:
deep-app-insp-timeout: 86400
deep-app-insp-db-limit: 100000

FGT60E4Q16068668 (global) #
```

??policy???, ???UTM profile???????flow-based.

Firewall / Network Options

NAT ☐

Security Profiles

Application Control ☒

APP

default

IPS ☒

IPS

protect_client

SSL Inspection

SSL

certificate-inspection

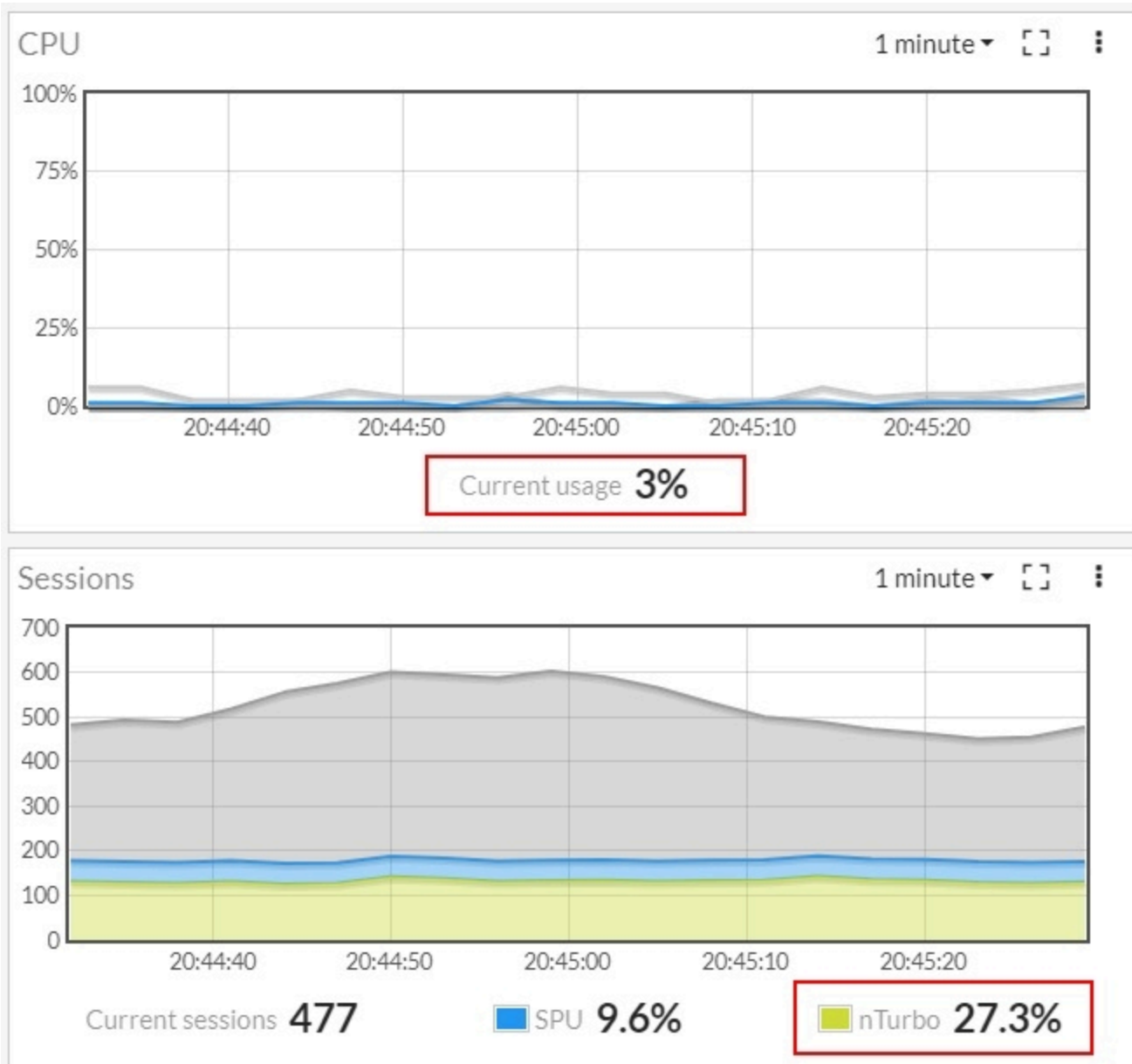
Logging Options

Log Allowed Traffic ☐

Security Events

All Sessions

???Session widget??nTurbo?????????.



?????policy????counter?????SPU?nTurbo?????????
 ????????, ??????????(tooltip)

Device	Device Type	Device Group	Device Policy	Device Status	Device Details
<div> <div>Windows PC</div> <div>Mobile Devices</div> </div>					
<div> <div>Domain Clients</div> <div>SSO_Domain_Users</div> <div>Windows PC</div> </div>	all	always	ALL	ACCEPT	<div> <div>Bytes/Packets</div> <div>Software</div> <div>SFU</div> <div>nTurbo</div> <div>Hit Count</div> <div>First Used</div> <div>Active Sessions</div> <div>Last Used</div> </div> <div> <div>7.79 GB</div> <div>7,101,570</div> <div>2.92 MB</div> <div>32,658</div> <div>0.0%</div> <div>0 B</div> <div>0</div> <div>0.0%</div> <div>7,068,912</div> <div>100.0%</div> <div>7,839</div> <div>30/07/2017 12:33 PM</div> <div>243</div> <div>30/07/2017 1:01 PM</div> </div>
<div> <div>SSLVPN_TUNNEL_ADDR1</div> <div>FW_Admins</div> <div>Windows PC</div> </div>	all	always	ALL	ACCEPT	
<div> <div>10.2.140.127</div> <div>Wireless_Clients</div> <div>Multimedia Devices</div> <div>Synology Devices</div> </div>	all	always	ALL	ACCEPT	<div> <div>Disabled</div> <div>All</div> <div>7.79 GB</div> </div>

* FortiSoC3???NP6lite???????H/W Traffic Shaper, ??????nTurbo??....