



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

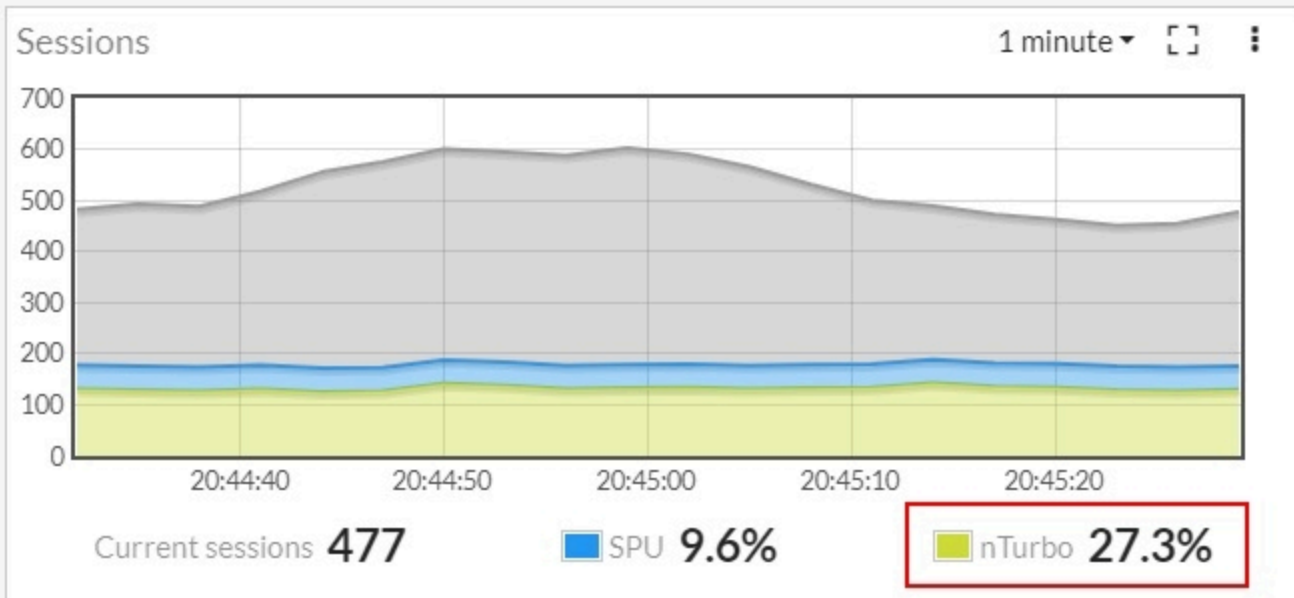
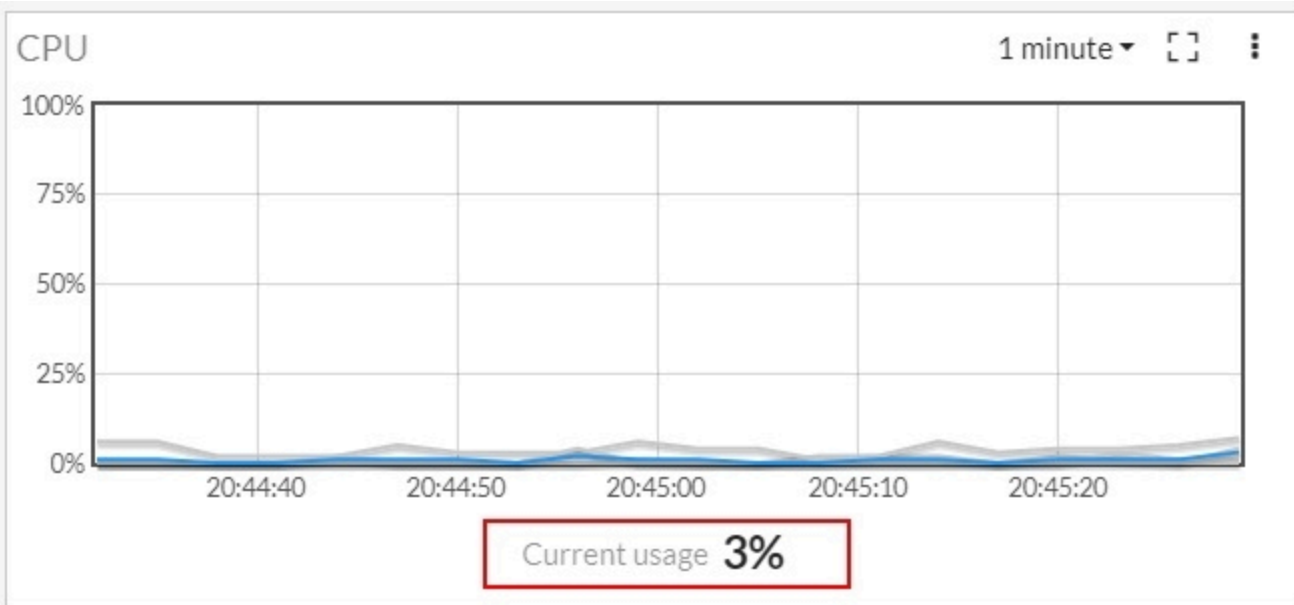
Security Profiles

- 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)

Source	Destination	Action	Policy	Status	Bytes/Packets	Software	SPU	nTurbo	Hit Count	First Used	Active Sessions	Last Used
windows-pc	Mobile Devices					7.79 GB	0 B	7.79 GB	7,839	30/07/2017 12:33 PM	243	30/07/2017 1:01 PM
Domain_Clients	SSO_Domain_Users	all	always	ALL	ACCEPT	2.92 MB	0 B	7.068,912				
windows-pc	SSLVPN_TUNNEL_ADDR1	all	always	ALL	ACCEPT	32,658	0 B	7,068,912				
FW_Admins	windows-pc	all	always	ALL	ACCEPT	0.0%	0 B	7,068,912				
windows-pc	10.2.140.127	all	always	ALL	ACCEPT	0.0%	0 B	7,068,912				
Wireless_Clients	Multimedia Devices	all	always	ALL	ACCEPT	5.31 kB	0 B	7,068,912				
Synology Devices					Disabled	7.79 GB	0 B	7,068,912				

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