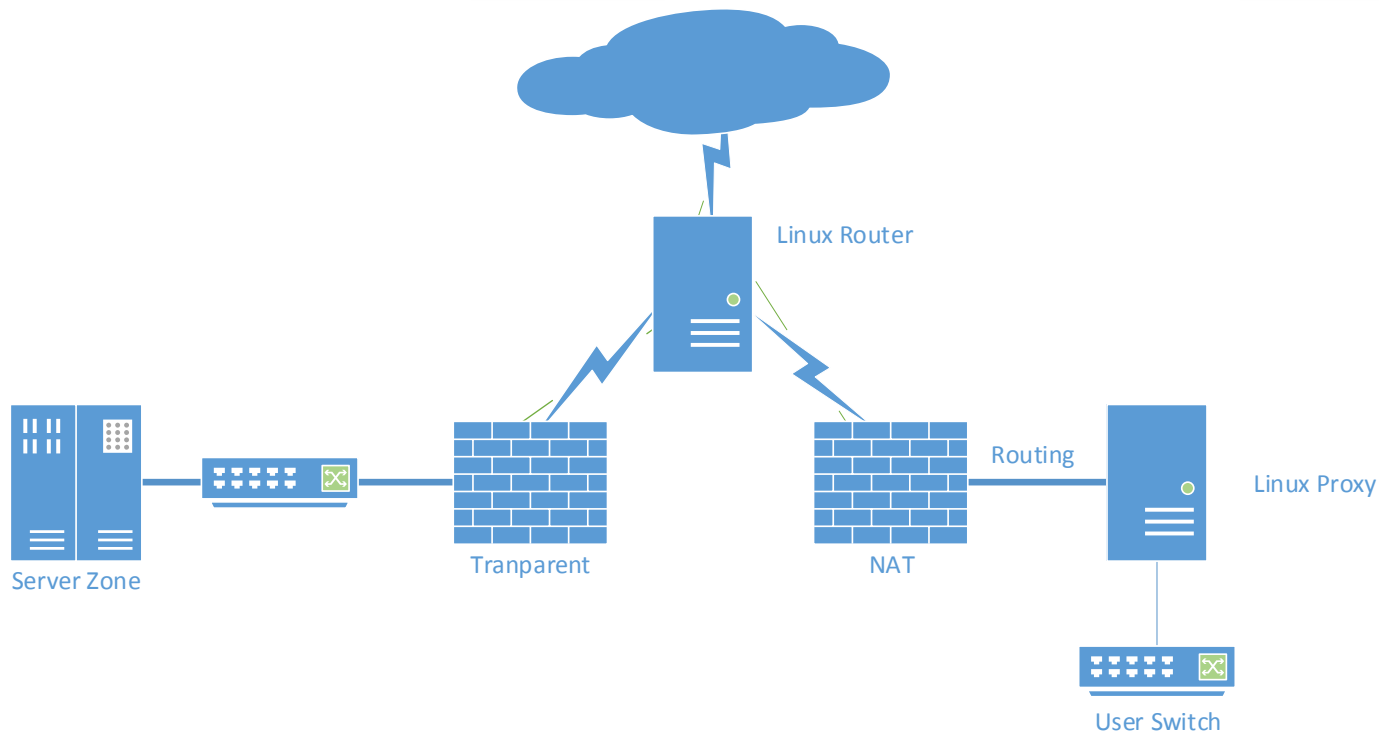




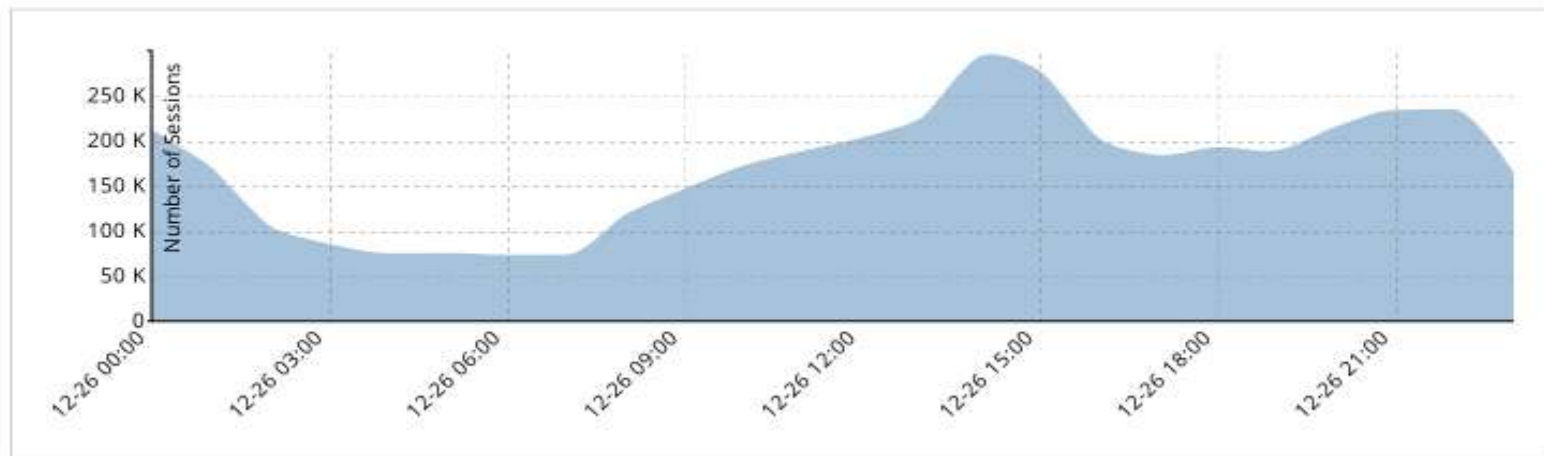
FortiGate POC Summary

POC Topology





Sessions Summary



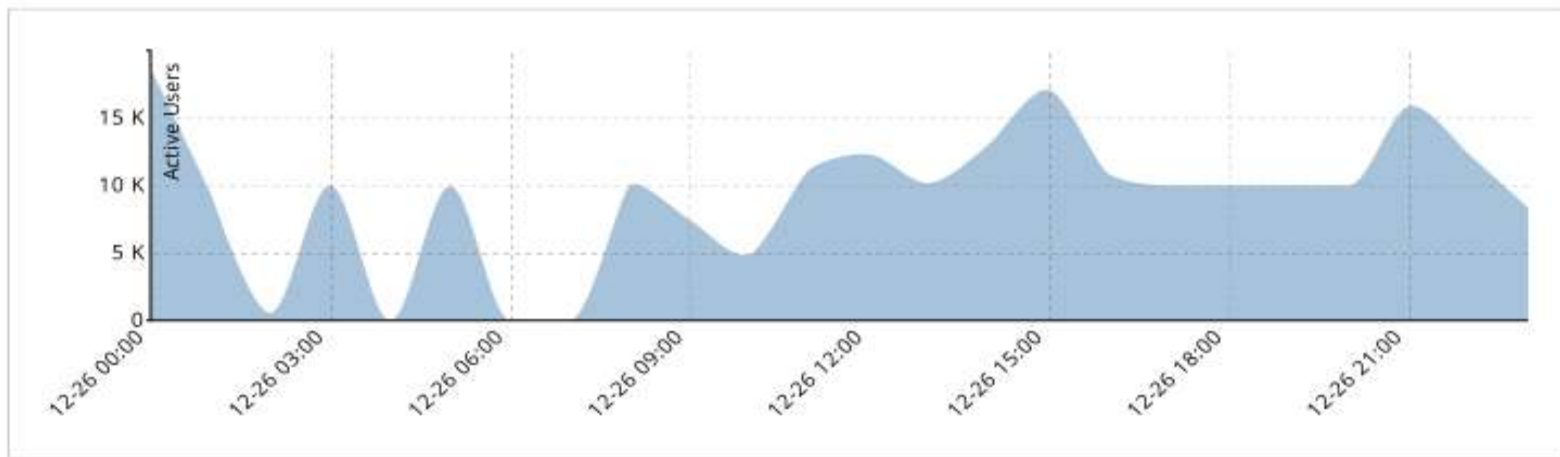


Traffic Statistics

#	Summary	Statistics
1	Total Sessions	4,124,185
2	Total Bytes Transferred	465.49GB
3	Most Active Date By Sessions	2015-12-26
4	Total Users	197,664
5	Total Applications	36,161
6	Total Destinations	63,806
7	Average Sessions Per Day	4,124,185
8	Average Bytes Per Day	465.49GB



Active Users





Application Traffic

Top 30 Applications by Bandwidth and Sessions

#	Application	Bandwidth	Sent	Received	Sessions
1	HTTPS		305.73 GB		1,084,711
2	HTTP		113.01 GB		569,503
3	DNS		29.16 GB		1,984,125
4	443/udp		5.76 GB		687
5	1194/udp		1.38 GB		13
6	8080/tcp		1.11 GB		2,254
7	60606/udp		540.37 MB		4
8	19176/udp		540.36 MB		2
9	60483/udp		500.68 MB		11
10	50560/udp		393.04 MB		20

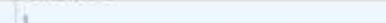









Intrusions Blocked

#	Intrusion Name	Intrusion Type	Severity	Counts
1	Obfuscated.Flash.Exploit	Buffer Errors	Critical	 2

Intrusions Monitored

#	Intrusion Name	Intrusion Type	Severity	Counts
1	ip_src_session	Anomaly	Critical	 126
2	udp_src_session	Anomaly	Critical	 74
3	udp_dst_session	Anomaly	Critical	 73
4	ip_dst_session	Anomaly	Critical	 35
5	OpenSSL.ChangeCipherSpec.Injection	Information Disclosure	High	 2
6	MSSQL.Login.Brute.Force	Anomaly	Low	 6,150



Intrusion Sources

#	Attack Source	Counts	■ Critical ■ High ■ Medium	Percent of Total Attacks
1	192.168.17.56		77	26.55%
2	192.168.17.106		62	21.38%
3	149.202.28.163		62	21.38%
4	202.29.105.26		53	18.28%
5	192.168.17.119		10	3.45%
6	123.249.24.233		4	1.38%
7	61.160.212.137		4	1.38%
8	115.231.24.54		2	0.69%
9	104.20.44.30		2	0.69%
10	130.185.250.38		2	0.69%



Performance

- Average Session 250,000
- Concurrent Session 4,000,000
- Active Users 500

Feature Recommend

- DoS Protection
- IPS Protection
- WebFilter
- AntiVirus
- Traffic Management

Option

- Log / Report
- Event Management



FortiGate/FortiWiFi

Type of Firewall



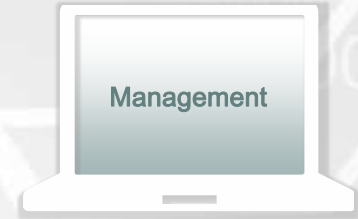
	Features/Presets	NGFW	ATP	WF	NGFW+ATP	UTM	Full UTM
Security*	Advanced Threat Protection		✓		✓	✓	✓
	NGFW (IPS)	✓			✓		✓
	NGFW (App Control)	✓			✓	✓	✓
	Web Filter		✓	✓	✓	✓	✓
	Email Filter						✓
	DLP						✓
	Explicit Proxy			✓			✓
	Endpoint Control		✓		✓	✓	✓
Basic	VPN, IPv6, WiFi Controller, Wanopt , etc	Defaults settings depends on FGT models					
Minor	ICAP, VoiP, DNS DB, Multicast policy, etc						

FortiGate - PROTECTION



SECURED BY
FORTIGUARD®


- Firewall
- VPN
- Application Control
- IPS
- Web Filtering
- Anti-malware
- WAN Acceleration
- Data Leakage Protection
- WiFi Controller
- Advanced Threat Protection
- SaaS Gateway



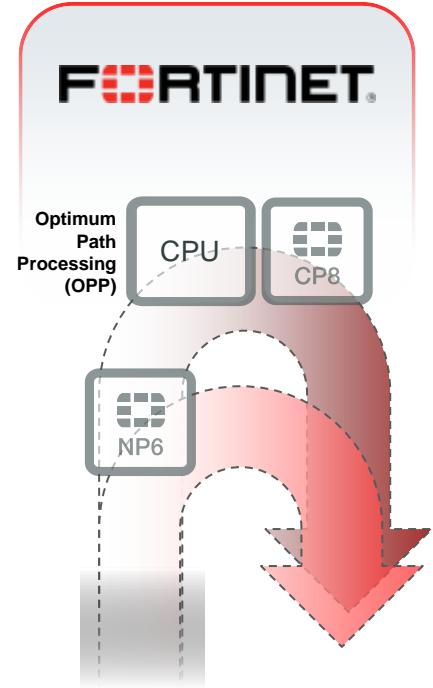
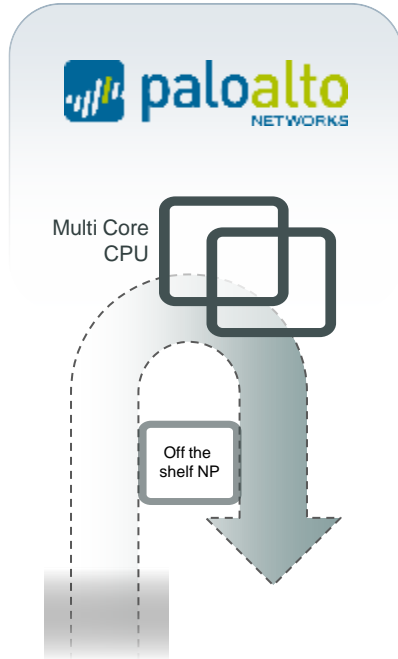
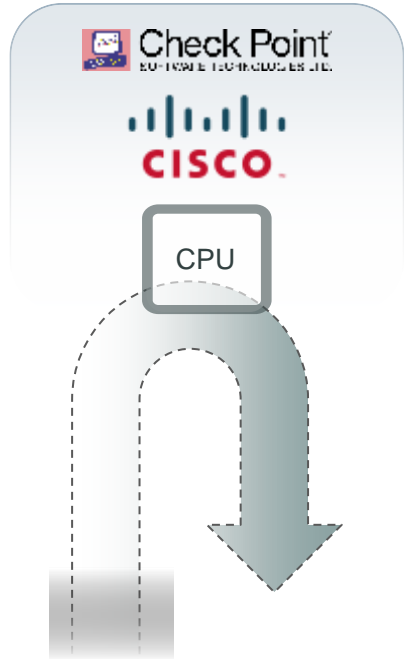
Software
Enabled
Security
Module

Inside FortiOS

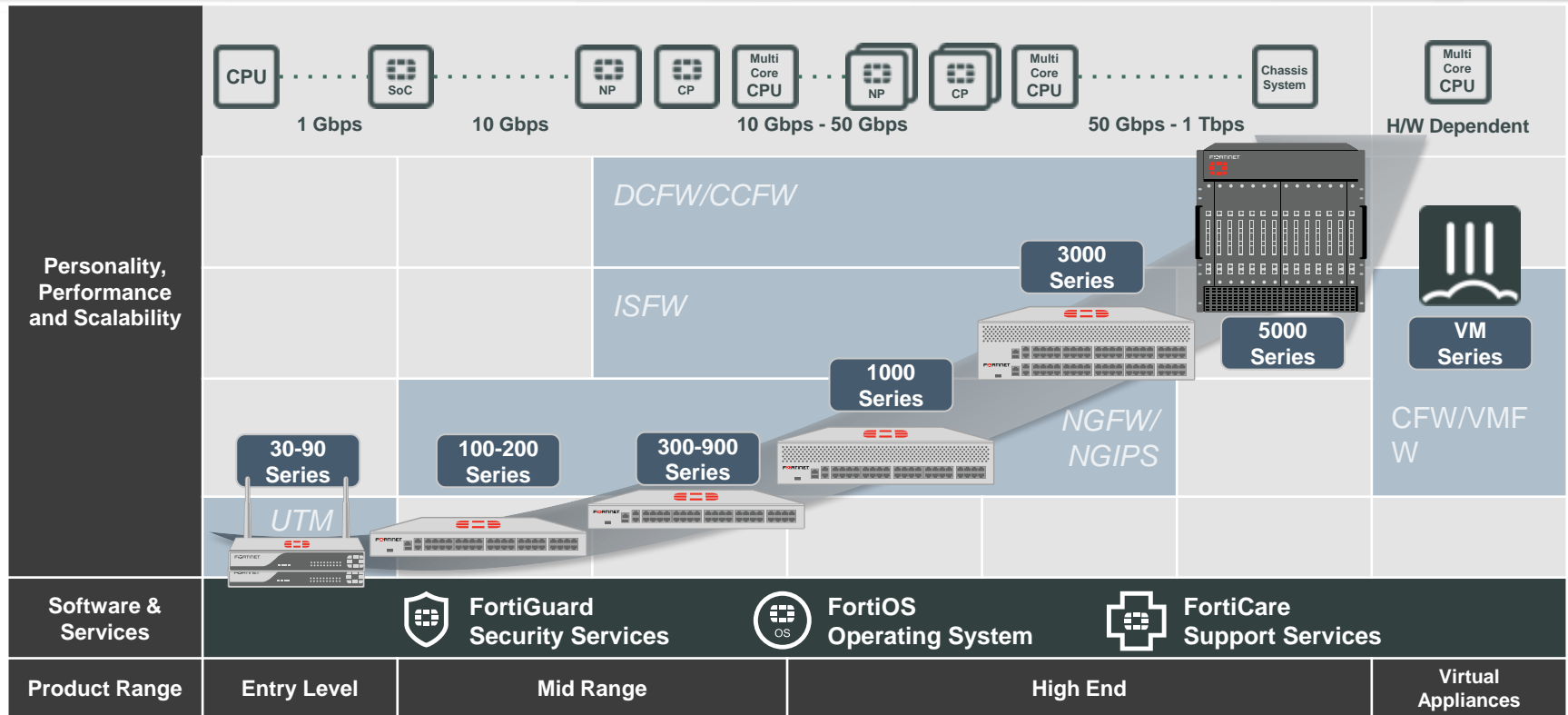


ATP		OSS Support		AAA		Central Mgmt.		Integrations
Configuration		Visibility		Log & Report		Diagnostics		Management
Anti-Malware	IPS	Application Control		Web Filtering	Email Filtering			 SECURED BY FORTIGUARD.
Firewall	VPN	DLP		User & Device Identity	SSL inspection			
Wireless Controller	Switch Controller	Endpoint Manager		Token Server	Vulnerability Scanner			Extensions
: : : : : Virtual Domains : : : : :								Virtual Systems
Routing	NAT/CGN		L2/Switching	WAN Link / Server LB	High Availability			Network Functions
QoS	IPv6		Wan Optimization	Network Services				
NAT/Route		Transparent			Sniffer			Operating Modes
LAN		WiFi			WAN			Network Interface
Physical Appliance (+ASICS)		Hypervisor			Cloud			Platform

CPU versus “custom” ASIC



FortiGate Product Range





Recommend Model



Performance

- Average Session 250,000
- Concurrent Session 4,000,000
- Active Users 500

Feature Recommend

- DoS Protection
- IPS Protection
- WebFilter
- AntiVirus
- Traffic Management

Option

- Log / Report
- Event Management

FortiGate 500D



①

②

③

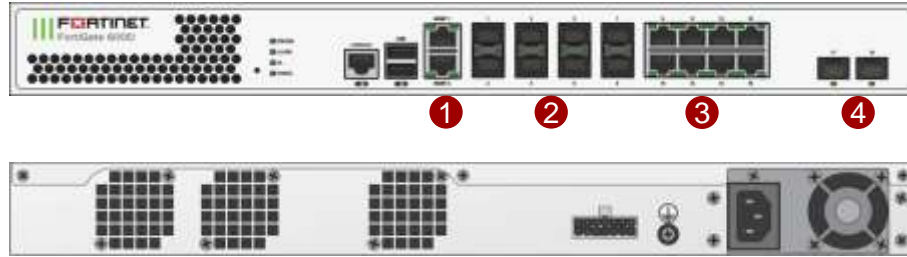
- ① 2x GE RJ45 Management Ports
- ② 8x GE SFP Slots
- ③ 8x GE RJ45 Ports



Hardware Performance

Firewall Throughput (1518/512/64)	16/16/16 Gbps	IPS Throughput	4.7 Gbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based)	1.7 Gbps
Concurrent Sessions	6 Mil	Virtual Domains (Default / Max)	10 / 10
New Sessions/Sec	250,000	Max Number of FortiAPs (Total/Tunnel)	512 / 256
Firewall Policies (System/VDOM)	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	14 Gbps	Client-to-Gateway IPSec VPN Tunnels	10,000
SSL-VPN Throughput	400 Mbps	Concurrent SSL-VPN Users (Recommended Max)	500

FortiGate 600D



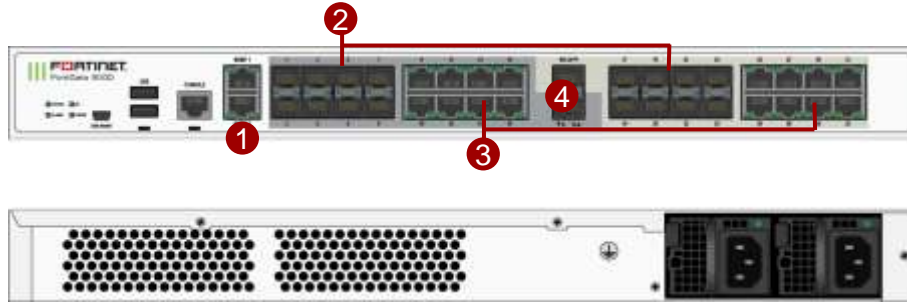
- ① 2x GE RJ45 Management Ports
- ② 8x GE SFP Slots
- ③ 8x GE RJ45 Ports
- ④ 2x 10GE SPF+ Slots



Hardware Performance

Firewall Throughput (1518/512/64)	36/36/24Gbps	IPS Throughput	7 Gbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based)	3 Gbps
Concurrent Sessions	5.5 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	270,000	Max Number of FortiAPs (Total/Tunnel)	1024 / 512
Firewall Policies	10,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	20 Gbps	Client-to-Gateway IPSec VPN Tunnels	10,000
SSL-VPN Throughput	2.2 Gbps	Concurrent SSL-VPN Users (Recommended Max)	5,000

FortiGate 900D



- ① 2x GE RJ45 Management Ports
- ② 16x GE SFP Slots
- ③ 16x GE RJ45 Ports
- ④ 2x 10GE SPF+ Slots



Hardware Performance

Firewall Throughput (1518/512/64)	52/52/33 Gbps	IPS Throughput	8 Gbps
Firewall Latency	3 μ s	Antivirus Throughput (Proxy Based)	3.5 Gbps
Concurrent Sessions	11 Mil	Virtual Domains (Default / Max)	10/10
New Sessions/Sec	280,000	Max Number of FortiAPs (Total/Tunnel)	1024 / 512
Firewall Policies	100,000	Max Number of FortiTokens	1,000
IPSec VPN Throughput	25 Gbps	Client-to-Gateway IPSec VPN Tunnels	10,000
SSL-VPN Throughput	3.6 Gbps	Concurrent SSL-VPN Users (Recommended Max)	10,000