Competitive Analysis:
Sangfor NGAF vs SonicWall

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SANGFOR

SonicWall Introduction

01

SonicWall, a major network security player, is based in Milpitas, California, offering multiple firewall product lines, branded as TZ Series, NSA Series, SuperMassive Series, NSSP Series and NSV Series. The NSV series supports VMware ESXI, Microsoft Hyper-V, and both BYOL and pay-as-you-go support for Microsoft Azure and AWS.

According to one of Gartner's recent report, it says, "SonicWall firewalls have their primary client base in midsize enterprises. Although the vendor has high-performing data center appliances, Gartner does not see them in this use case. The vendor has been introducing multiple product-related enhancements for the past three years, to offer a complete set of features. Overall, the visibility of the vendor on firewall shortlists is decreasing.

In addition to firewalls, SonicWall also sells wireless, remote access email security, cloud application security and endpoint security products.

Recent company news includes the introduction of a secure SD-WAN feature, adding zero-touch deployment through cloud management, Cloud App Security, Capture Security Center (CSC) for centralized management of all products, and Analyzer 2.0, which is SonicWall's flow analytics solution."

***Source:** Gartner Magic Quadrant for Network Firewalls 2019*

SonicWall Disadvantages

02

Sales: According to Gartner's report, it sees declining SonicWall firewall revenue, recognizing SonicWall as the only UTM vendor with a revenue decline (-3. 9%) in 2018. It also doesn't see it as a favorable shortlist candidate, based on client inquiries.

Market Responsiveness: The vendor lacks strong responsiveness as per the demands of clients. It was late in introducing virtual appliances, and in support for public cloud and SD-WAN. Gartner finds that SonicWall has been closing gaps, rather than introducing innovative features. Despite introducing multiple virtual appliances, its firewalls still lack support for SDN platforms, something being offered by the majority of its competitors in the market.

Product: The vendor lacks an on-premises sandboxing appliance, a desirable feature for highly regulated enterprises that do not want their data to leave the premises, particularly in emerging regions such as the Middle East, Asia and Latin America.

Customer Feedback: Surveyed clients have reported a lack of mature logging as one of the product weaknesses in GMS. They have specifically mentioned the logging details around firewall-rule-administration-related changes, which are not detailed enough.

Product Strategy: The vendor lacks integration capabilities with third-party NAC platforms. This makes SonicWall a less desirable shortlist candidate for enterprises seeking correlation and integration capabilities between their NAC products to disconnect infected hosts.

SonicWall is missing critical capabilities, listed as below:

- Cloud-based deployment
- Offline configuration
- Device detection
- Advanced malware protection
- Integrated analytics and engagement tools
- Standard reporting and dash boards
- Cloud-ready visualization platform included
- Usage and bandwidth consumption map included

Sangfor Strengths

1. Independent Anti-Ransomware Status Page:

Sangfor NGAF performs ransomware exposed surface inspection. Through business asset open ports, ransomware commonly uses vulnerabilities and weak password inspection to find exposed surfaces. NGAF also makes specific optimization suggestions based on network intelligence.

2. Powerful Ransomware Killing - Sangfor Engine Zero Performance:

IPS

Equipment	Policy	Vulnerability Attack	Vulnerability Blocked	Block Rate
NGAF	Default	34	29	85%
Sonicwall	Default	34	18	53%

WAF

Equipment	Policy	Vulnerability Attack	Vulnerability Blocked	Block Rate
NGAF	Default	379	379	100%
Sonicwall	Default	379	78	21%

Known Malware

Equipment	Policy	Malware Sample	Malware Blocked	Block Rate
NGAF	Default	300	299	99.67%
Sonicwall	Default	300	70	23%

Unknown Malware

Equipment	Policy	Malware Sample	Malware Blocked	Block Rate
NGAF	Default	43	43	100.00%
Sonicwall	Default	43	25	58%

3. Sangfor RDP/SMB/SSH slow and distributed brute force protection

4. Ransomware C2 process evidence display

5. Data Center Security - Least Privileged Access provides better visibility of production traffic, and reduces the attack surface of critical assets

6. Strategy Optimization Module:

Policy clean-up, asset discovery, network mapping and policy tracking

7. Cloud-Based Management:

Platform-X supports device monitoring, unified upgrade, remote password-free login, cloud policy template editing, unified policy issuance, intelligent alarms, report analysis, and serial number unified viewing.

8. Centralized Management:

Sangfor Central Manager

9. Zero touch deployment & centralized monitoring and management

10. Advanced Threat Detection: relying on cloud, behavior and AI technologies

- Advanced Threat Intelligence
- C&C Identification with DGA
- Engine Zero: Advanced Malware Inspection Engine
- Cloud-Based Sandboxing

11. Real-Time Threat Detection

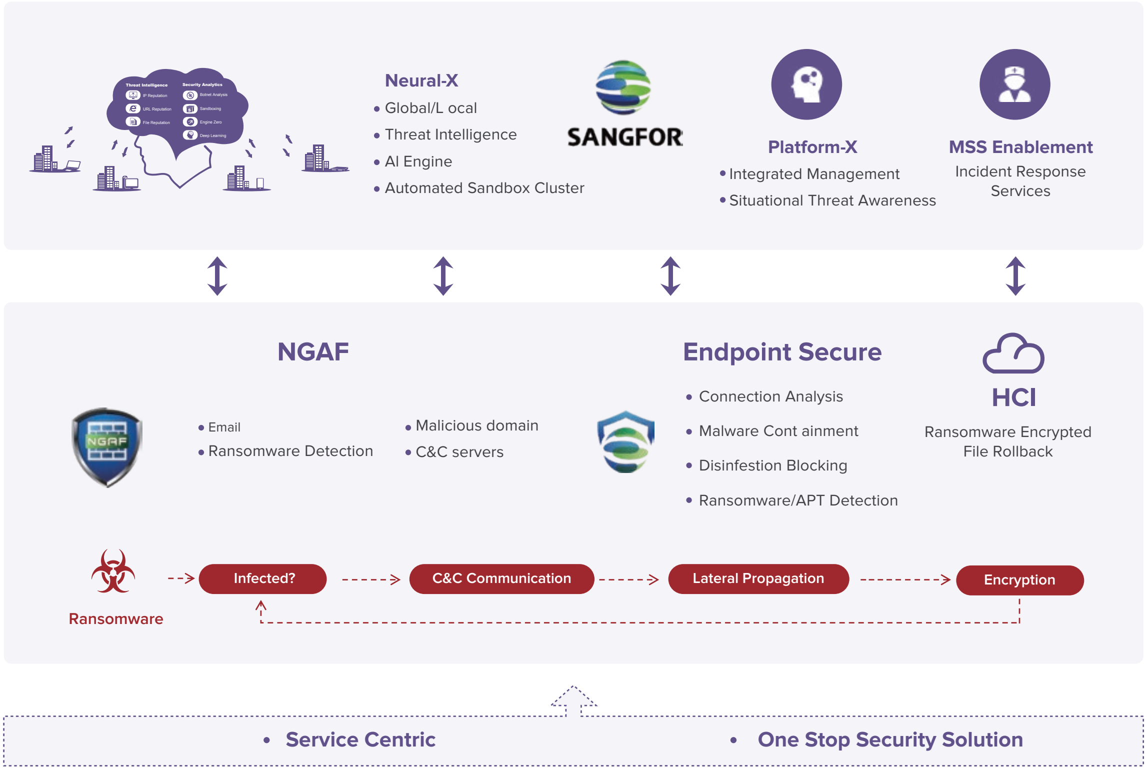
Sangfor provides an easy to understand risk score and visibility for the enterprises, significantly improving the time to detect and respond.

12. SANGFOR NGAF Cluster analysis of threating events based on asset perspective

13. Fully integrated ability to cover cloud, network and endpoint.

14. For scenarios with multiple zones and multiple firewalls, SANGFOR NGAF provides global threat management and visualization through Cyber Command.

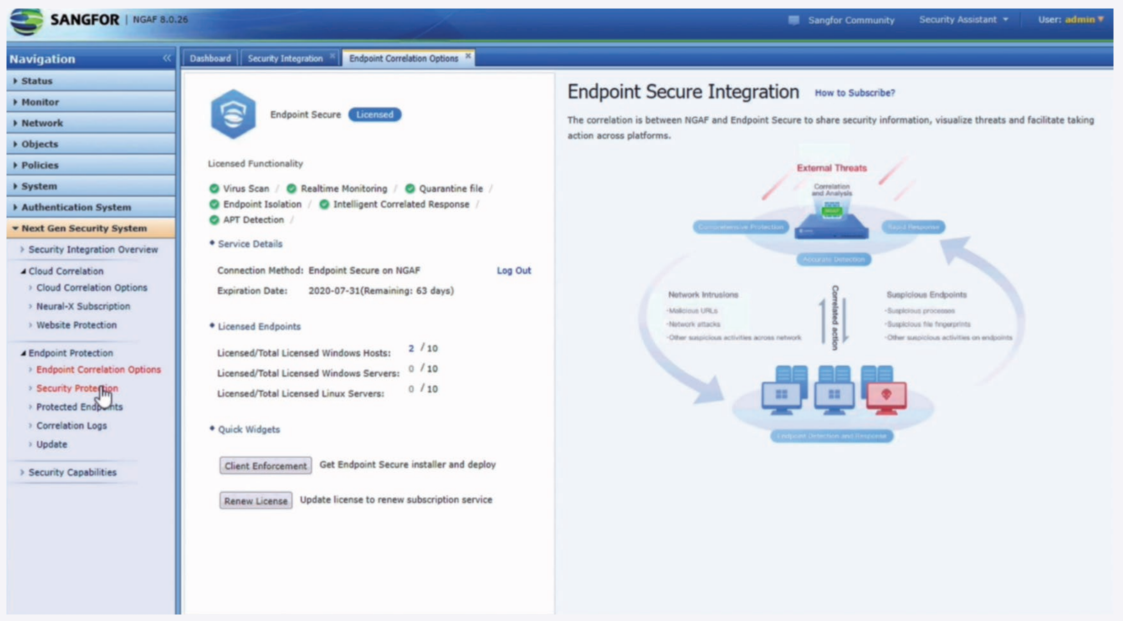
15. Multi-Product Integrated Solution:



16. Automation between Firewall and Endpoint Secure/Cyber Command

17. Centralized Threat Correlation between Firewall and Endpoint Secure

Sangfor is the only vendor with comprehensive integrated EDR on firewall, extremely suited to the mid-market, and with EDR hosted on Platform-X suited to large enterprise deployment.



Endpoint Secure Licensed

Licensed Functionality

✓ Virus Scan / ✓ Realtime Monitoring / ✓ Quarantine file / ✓ Endpoint Isolation / ✓ Intelligent Correlated Response / ✓ APT Detection /

- Service Details

Connection Method: Endpoint Secure on NGAF — Log Out

Expiration Date: 2020-07-31(Remaining: 63 days)

- Licensed Endpoints

Licensed/Total Licensed Windows Hosts:	2 / 10
Licensed/Total Licensed Windows Servers:	0 / 10
Licensed/Total Licensed Linux Servers:	0 / 10

- Quick Widgets

[Client Enforcement] Get Endpoint Secure installer and deploy

[Renew License] Update license to renew subscription service

Endpoint Secure Integration — How to Subscribe?

The correlation is between NGAF and Endpoint Secure to share security information, visualize threats and facilitate taking action across platforms.

Competitive Comparison

● Strong ● Weak

Features	Sangfor	SonicWall	Sangfor advantages
Security Visibility	●	●	Integrated Security Reporter providing a holistic, end-to-end security overview, from business system to endpoint users and their correlation, detailed visibility.
Total Business System Protection	●	●	Support Application Firewall which includes: Top 10 OWASP Certified, Support web application threat signatures, HTTP Anomalies Detection, Application Hiding, Integrated Web Scanner & Vulnerability Scanner and Integrated Security Reporter
Real Time Detection & Rapid Response	●	●	Automatic protection for pre-attack, mid-attack and post-attack.
Known & Unknown Threat Protection	●	●	Sangfor Engine Zero: 1. Supports Machine Learning method to recognize new variants of malware, viruses and ransomware 2. Supports behavior detection methods for new file-based threat 3. Uploads suspicious files to cloud to detect, not including files with private information Sangfor Neural-X: 1. Supports the use of cloud threat intelligence to do Unknown Threat Discovery and Advanced Threat Analytics 2. Suspicious URL/DNS will be detected by Neural-X 3. Professional support 4. Updates Calendar to show upgrade capabilities and trends 5. Shows hot events

🟣 Strong 🟠 Weak

Features	Sangfor	SonicWall	Sangfor advantages
Traditional FW	🟣	🟣	Sangfor NGAF is compatible with all traditional firewall features, including switching/routing, access control, AA/AS dual-system hot backup, software and hardware bypass, system management, log reporting, session management, anti-DDoS attacks, application proxy, DHCP/ DNS, etc
IPS	🟣	🟣	1. Sangfor supports vulnerability attack protection for server and client, protecting clients from worms, Trojans, spyware, scanning, DoS, DDoS, vulnerability exploits, buffer overflow attacks, abnormal protocol and attacks with evasive tactic employed. 2. Sangfor supports brute-force attack for FTP, IMAP Auth, IMAP Login, IMAP Standard, IMAP Tls, MS Sql2000, MS Sql2008, Mysql, Ntlm, Oracle, POP3 Apop, POP3 Tls, POP3 User, RDP Win8, RDP Winxp, Rlogin, SMB, SMB2, SMTP Auth, SSH, Telnet, VNC Encrypt, VNC Unencrypt, Weblogic; 3. Sangfor supports automatically blocking, logging and upload of gray threat to the "cloud" 4. Detects more than 4000+ signatures 5. The policy can be configured based on src/dst zone, src/dst IP group 6. Sangfor supports TCP evasion detection
Application Control	🟣	🟣	Sangfor supports ACL based on source IP/zone, users/groups, dst IP/zone, application, protocol, src/dst port, and schedule; Supports more than 1000 applications, more than 2500 application rules and custom rules It is not recommended to enable log record and persistent connection Supports up to 4096 entries
URL Filter	🟣	🟣	Sangfor supports URL filter based on source IP/zone, users/groups, dst IP/zone, URL category and schedule. Support HTTP(get), HTTP(post), HTTPS filter Supports HTTP(S) upload/download file type filter URL and file types can be customized
E-mail Security	🟠	🟣	Sangfor mail protection supports detection of mail attachments with viruses, malicious links, XSS attacks, file filters, and collision attacks. Mail whitelist can be added with IP address and email address, with a sender and receiver. Mail protection default detects port 25,110,143, it can support other ports using custom settings.
Anti-ransomware	🟣	🟠	Sangfor Ransomware Protection: Pre-attack: Sangfor provides vulnerability assessment Mid-Attack: Sangfor provides AI-based malware inspection and RDP password brute force inspection Post-Attack - Sangfor provides quick response

🟣 Strong 🟠 Weak

Features	Sangfor	SonicWall	Sangfor advantages
Centralized management	🟣	🟠	Sangfor supports joining NGAF device to Central Management platform Sangfor BBC2.5.3 and being managed through the platform. (a) Push down configurations from Sangfor Central Manager to NGAF devices and management of those configurations on Sangfor Central Manager. (b) NGAF devices can be upgraded via Sangfor Central Manager by importing upgrade package manually or by obtaining upgrade package online. (c) 12 databases on NGAF device can be updated via Sangfor Central Manager, including Sangfor Engine Zero file verification model database, URL database, IPS vulnerability signature database, software update, application signature database, WAF signature database, sensitive keyword database, vulnerability database for RT analytics, IP address database, threat intelligence database, hot threat database and security events database. (d) Support pushing down predefined and custom signature database from Sangfor Central Manager. (e) Security overview, business system and user/group security information can be reported to and displayed on Sangfor Central Manager. (f) Support configuring alarm settings centrally on Sangfor Central Manager platform and reporting alarm configuration from branch devices. (g) Support connecting NGAF device deployed in high availability or cluster environment to Sangfor Central Manager platform for central management. (h) Support 15 predefined zones in Network > Interfaces > Zone.
Neural-X (Cloud based TI)	🟣	🟠	Neural-X is a security center with threat intelligence and unknown threat detection capabilities. The threat intelligence center, also a security capability center, gathers masses of intelligence data, including that from Sangfor's on-line security devices, third-party security vendor (such as Virustotal purchase and Google open inquiry) and security communities. The center carries out user granularity analysis for accumulated security intelligence data through big data and cloud computing technology by utilizing various data analysis and artificial intelligence algorithms, and sends real-time intelligence to security devices (such as NGAF, Cyber Command, IAM, ES, and WAF, that have access to Neural-X) by subscription. Security devices load intelligence as required, and carry out detection, analysis and disposition based on intelligence according to their own functions.

🟣 Strong 🟠 Weak

Features	Sangfor	SonicWall	Sangfor advantages
Wifi integration protection	🟠	🟣	Sangfor does not support this function at the moment
Product integration	🟣	🟠	Sangfor provides many product integration solutions for different customers. For instance, Firewall + Sangfor Endpoint Secure + Central Manager + Cyber Command + Neural-X, Firewall + Platform-X + Sangfor Endpoint Secure.
Mobile endpoints	🟠	🟣	Sangfor does not support this function at the moment
Web Application	🟣	🟠	Sangfor Web Application function: 1.Use next generation WAF engine, including traditional SNORT based engine and Semantic engine, defends against the 10 major web-based attacks identified by the Open Web Application Security Project (OWASP) , including SQL injection, XSS and CSRF. 2. Supports restricting suspicious file uploading with asp, asa, exe, jsp, php, aspx, php3, php4, phtml, and vbs file types. 3. Supports application hiding of HTTP error page replacement, HTTP (S) response headers hidden, and FTP server and software version information hidden, etc. 4. Supports CC attack prevention 5. Supports FTP Weak Password Protection, web-access weak password, web-access cleartext request inspection and defense against brute-force attacks 6. Supports performing inspection of content at the perimeter for incoming traffic. Only allow input parameters that conform to the application functionalities required of the web application and no malicious input parameters; 7. Supports HTTP protocol abnormal detection and sHTTP request method filter 8. Supports protect for HTTP attack based on session and cookies 9. Supports more than 3000+ signatures 10. Supports machine learning to learn the business model and reduce false positive for webshell, SQL injection, etc.
Cloud-based management	🟣	🟣	Sangfor Platform-X is a cloud-based security management platform, equipped to manage all Sangfor security products in the cloud by collecting, analyzing and displaying all security logs. It supports NGAF & Endpoint Secure management, event correlation etc.

🟣 Strong 🟠 Weak

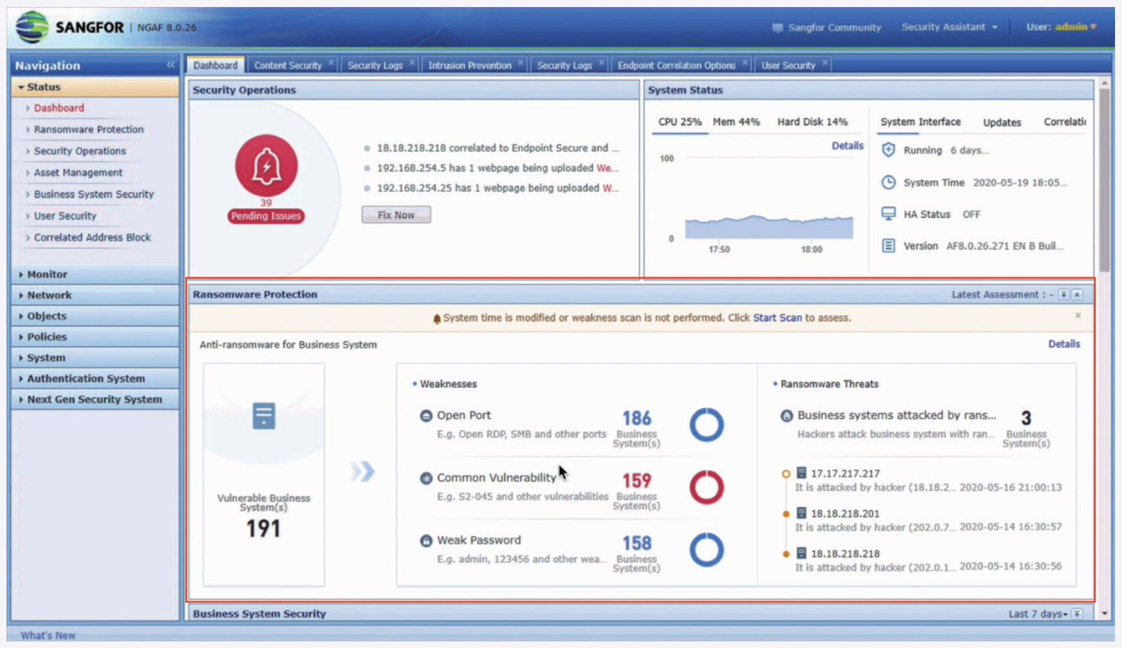
Features	Sangfor	SonicWall	Sangfor advantages
Reporting & analytics	🟣	🟠	Sonicwall requires additional reporting tool-Sonicwall Analytics
Simplified Security Operation	🟣	🟣	Friendly user interface, with minimize the challenge of misconfiguration of security policies. Intuitive reporting which provides details information for management, incident response, as well as daily operations.
SDN	🟣	🟠	Sonicwall is lack of SDN function while Sangfor can support SDN with Sangfor HCI. The cooperation with Huawei and H3C on SDN function is in process.

Model Comparison 05

NGAF	Threat Prevention Throughput	SonicWall	Threat Prevention Throughput
M4500	1Gbps	TZ500 / TZ500 W	700Mbps
M5100	1.2Gbps	TZ600 / TZ600 P	800Mbps
M5200	1.75Gbps	NSa 3650	1.75Gbps
M5300	3.5Gbps	NSa 4650	2.5Gbps
M5400	4.2Gbps	NSa 5650	3.4Gbps
M5500	8.4Gbps	NSa 9250	6.5Gbps
M5600	16.8Gbps	NSa 9650	9.4Gbps
M5900	50.4Gbps	NSSP 12400	33.5Gbps
M6000	67.2Gbps	NSSP 12800	67.5Gbps

Sangfor Defeats SonicWall - Sangfor NGAF Selling Points 06

1. Independent Anti-Ransomware Module



Security Operations

39 Pending Issues

- 18.18.218.218 correlated to Endpoint Secure and ...
- 192.168.254.5 has 1 webpage being uploaded We...
- 192.168.254.25 has 1 webpage being uploaded W...

System Status

Running 6 days...

System Time 2020-05-19 18:05...

HA Status OFF

Version AF8.0.26.271 EN B Buil...

Ransomware Protection

Latest Assessment : -

System time is modified or weakness scan is not performed. Click Start Scan to assess.

Anti-ransomware for Business System

Vulnerable Business System(s) 191

Weaknesses

Open Port 186 Business System(s)
E.g. Open RDP, SMB and other ports

Common Vulnerability 159 Business System(s)
E.g. S2-045 and other vulnerabilities

Weak Password 158 Business System(s)
E.g. admin, 123456 and other wea...

Ransomware Threats

Business systems attacked by rans... 3 Business System(s)
Hackers attack business system with ran...

17.17.217.217
It is attacked by hacker (18.18.2... 2020-05-16 21:00:13

18.18.218.201
It is attacked by hacker (202.0.7... 2020-05-14 16:30:57

18.18.218.218
It is attacked by hacker (202.0.1... 2020-05-14 16:30:56

Business System Security

2. SDN is a function which SonicWall doesn’t have. As of today, Sangfor doesn’t support VMware NSX. Instead, Sangfor has strong SDN support through Sangfor HCI, and our NGAF has a native integration.

3. Sangfor WAF is a pay-as-you-go licensing model which is much more cost effective than SonicWall

4. SonicWall integration is not real integration, with no automation disposition

5. SonicWall has been accused of providing a less detailed view of data

6. SonicWall only has a cloud sandbox and no local sandbox, and is not suitable for enterprises that do not want data to leave the local area

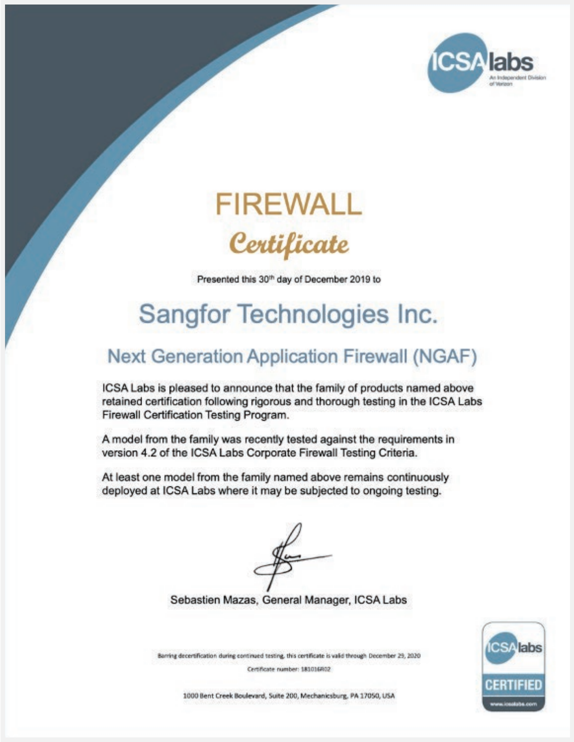
7. Sangfor can provide incident response service, which many vendors cannot provide.

Certifications & Achievements 07

Gartner

Sangfor Technologies has been listed in the Gartner Magic Quadrant for Network Firewalls since 2014.

ICSA Labs



FIREWALL

Certificate

Presented this 30th day of December 2019 to

Sangfor Technologies Inc.

Next Generation Application Firewall (NGAF)

ICSA Labs is pleased to announce that the family of products named above retained certification following rigorous and thorough testing in the ICSA Labs Firewall Certification Testing Program.

A model from the family was recently tested against the requirements in version 4.2 of the ICSA Labs Corporate Firewall Testing Criteria.

At least one model from the family named above remains continuously deployed at ICSA Labs where it may be subjected to ongoing testing.

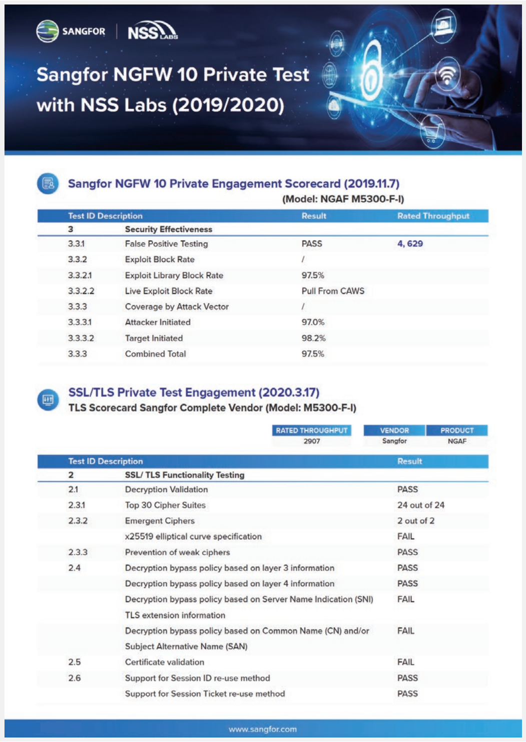
Sebastien Mazas, General Manager, ICSA Labs

Barring decertification during continued testing, this certificate is valid through December 29, 2020

Certificate number: 181016R02

1000 Bent Creek Boulevard, Suite 200, Mechanicsburg, PA 17050, USA

NSS LABS Private Test Result



Sangfor NGFW 10 Private Test with NSS Labs (2019/2020)

Sangfor NGFW 10 Private Engagement Scorecard (2019.11.7)

(Model: NGAF M5300-F-I)

Test ID	Description	Result	Rated Throughput
3	**Security Effectiveness**		
3.3.1	False Positive Testing	PASS	4, 629
3.3.2	Exploit Block Rate	/	
3.3.2.1	Exploit Library Block Rate	97.5%	
3.3.2.2	Live Exploit Block Rate	Pull From CAWS	
3.3.3	Coverage by Attack Vector	/	
3.3.3.1	Attacker Initiated	97.0%	
3.3.3.2	Target Initiated	98.2%	
3.3.3	Combined Total	97.5%	

SSL/TLS Private Test Engagement (2020.3.17)

TLS Scorecard Sangfor Complete Vendor (Model: M5300-F-I)

RATED THROUGHPUT	VENDOR	PRODUCT
2907	Sangfor	NGAF

Test ID	Description	Result
2	**SSL/ TLS Functionality Testing**	
2.1	Decryption Validation	PASS
2.3.1	Top 30 Cipher Suites	24 out of 24
2.3.2	Emergent Ciphers	2 out of 2
	x25519 elliptical curve specification	FAIL
2.3.3	Prevention of weak ciphers	PASS
2.4	Decryption bypass policy based on layer 3 information	PASS
	Decryption bypass policy based on layer 4 information	PASS
	Decryption bypass policy based on Server Name Indication (SNI) TLS extension information	FAIL
	Decryption bypass policy based on Common Name (CN) and/or Subject Alternative Name (SAN)	FAIL
2.5	Certificate validation	FAIL
2.6	Support for Session ID re-use method	PASS
	Support for Session Ticket re-use method	PASS

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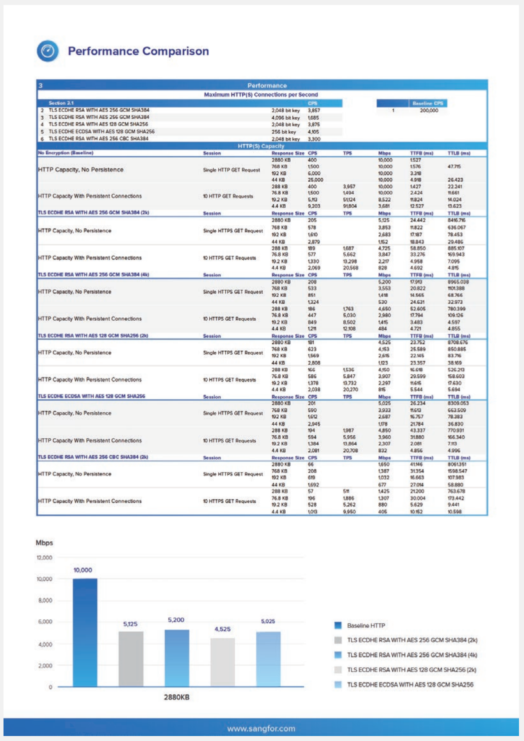

Performance Comparison

3 Performance

Maximum HTTP(S) Connections per Second

	Section 3.1		CPS
2	TLS ECDHE RSA WITH AES 256 GCM SHA384	2,048 bit key	3,857
3	TLS ECDHE RSA WITH AES 256 GCM SHA384	4,096 bit key	1,685
4	TLS ECDHE RSA WITH AES 128 GCM SHA256	2,048 bit key	3,876
5	TLS ECDHE ECDSA WITH AES 128 GCM SHA256	256 bit key	4,105
6	TLS ECDHE RSA WITH AES 256 CBC SHA384	2,048 bit key	3,300

	Baseline CPS
1	200,000

HTTP(S) Capacity

No Encryption (Baseline)	Session	Response Size	CPS	TPS	Mbps	TTFB (ms)	TTLB (ms)
HTTP Capacity, No Persistence	Single HTTP GET Request	2880 KB	400		10,000	1.527	
		768 KB	1,500		10,000	1.576	47.715
		192 KB	6,000		10,000	3.318	
		44 KB	25,000		10,000	4.918	26.423
HTTP Capacity With Persistent Connections	10 HTTP GET Requests	288 KB	400	3,957	10,000	1.427	22.241
		76.8 KB	1,500	1,494	10,000	2.424	11.661
		19.2 KB	5,113	51,124	8,522	11.824	14.024
		4.4 KB	9,203	91,804	3,681	12.527	13.623
TLS ECDHE RSA WITH AES 256 GCM SHA384 (2k)	**Session**	**Response Size**	**CPS**	**TPS**	**Mbps**	**TTFB (ms)**	**TTLB (ms)**
HTTP Capacity, No Persistence	Single HTTPS GET Request	2880 KB	205		5,125	24.442	8416.716
		768 KB	578		3,853	11.822	636.067
		192 KB	1,610		2,683	17.187	78.453
		44 KB	2,879		1,152	18.843	29.486
HTTP Capacity With Persistent Connections	10 HTTPS GET Requests	288 KB	189	1,687	4,725	58.850	885.107
		76.8 KB	577	5,662	3,847	33.276	169.943
		19.2 KB	1,330	13,298	2,217	4.958	7.095
		4.4 KB	2,069	20,568	828	4.692	4.815
TLS ECDHE RSA WITH AES 256 GCM SHA384 (4k)	**Session**	**Response Size**	**CPS**	**TPS**	**Mbps**	**TTFB (ms)**	**TTLB (ms)**
HTTP Capacity, No Persistence	Single HTTPS GET Request	2880 KB	208		5,200	17.913	8965.038
		768 KB	533		3,553	20.822	1101.388
		192 KB	851		1,418	14.565	68.766
		44 KB	1,324		530	24.631	32.973
HTTP Capacity With Persistent Connections	10 HTTPS GET Requests	288 KB	186	1,763	4,650	52.605	780.399
		76.8 KB	447	5,030	2,980	17.794	109.126
		19.2 KB	849	8,502	1,415	3.483	4.597
		4.4 KB	1,211	12,108	484	4.721	4.855
TLS ECDHE RSA WITH AES 128 GCM SHA256 (2k)	**Session**	**Response Size**	**CPS**	**TPS**	**Mbps**	**TTFB (ms)**	**TTLB (ms)**
HTTP Capacity, No Persistence	Single HTTPS GET Request	2880 KB	181		4,525	23.752	8708.676
		768 KB	623		4,153	25.589	850.885
		192 KB	1,569		2,615	22.145	83.716
		44 KB	2,808		1,123	23.357	38.169
HTTP Capacity With Persistent Connections	10 HTTPS GET Requests	288 KB	166	1,536	4,150	16.618	526.213
		76.8 KB	586	5,847	3,907	29.599	158.603
		19.2 KB	1,378	13,732	2,297	11.615	17.630
		4.4 KB	2,038	20,270	815	5.544	5.694
TLS ECDHE ECDSA WITH AES 128 GCM SHA256	**Session**	**Response Size**	**CPS**	**TPS**	**Mbps**	**TTFB (ms)**	**TTLB (ms)**
HTTP Capacity, No Persistence	Single HTTPS GET Request	2880 KB	201		5,025	26.234	8309.053
		768 KB	590		3,933	11.613	663.509
		192 KB	1,612		2,687	16.757	78.383
		44 KB	2,945		1,178	21.784	36.830
HTTP Capacity With Persistent Connections	10 HTTPS GET Requests	288 KB	194	1,987	4,850	43.337	770.931
		76.8 KB	594	5,956	3,960	31.880	166.340
		19.2 KB	1,384	13,864	2,307	2.081	7.113
		4.4 KB	2,081	20,708	832	4.856	4.996
TLS ECDHE RSA WITH AES 256 CBC SHA384 (2k)	**Session**	**Response Size**	**CPS**	**TPS**	**Mbps**	**TTFB (ms)**	**TTLB (ms)**
HTTP Capacity, No Persistence	Single HTTPS GET Request	2880 KB	66		1,650	41.146	8061.351
		768 KB	208		1,387	31.354	1598.547
		192 KB	619		1,032	16.663	107.983
		44 KB	1,692		677	27.014	58.880
HTTP Capacity With Persistent Connections	10 HTTPS GET Requests	288 KB	57	511	1,425	21.200	763.678
		76.8 KB	196	1,886	1,307	30.004	173.442
		19.2 KB	528	5,262	880	5.629	9.441
		4.4 KB	1,013	9,950	405	10.152	10.598

Mbps
12,000
10,000
8,000
6,000
4,000
2,000
0
10,000
5,125
5,200
4,525
5,025
2880KB
Baseline HTTP
TLS ECDHE RSA WITH AES 256 GCM SHA384 (2k)
TLS ECDHE RSA WITH AES 256 GCM SHA384 (4k)
TLS ECDHE RSA WITH AES 128 GCM SHA256 (2k)
TLS ECDHE ECDSA WITH AES 128 GCM SHA256

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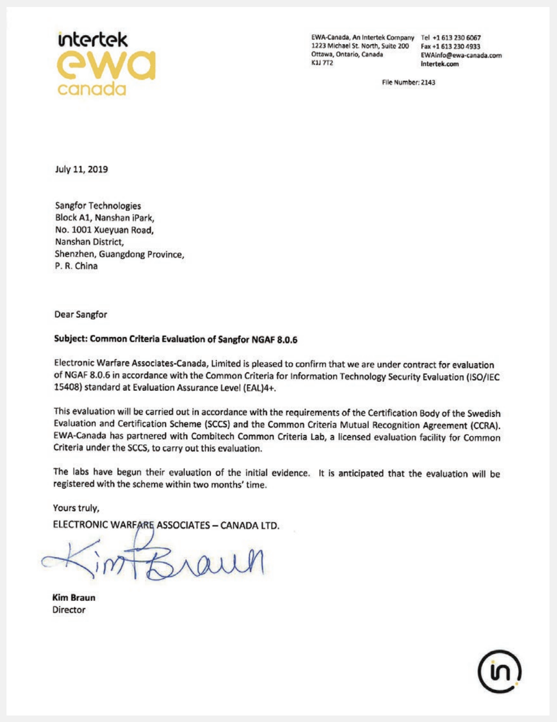
EAL4+ (In Progress)



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File Number: 2143

July 11, 2019

Sangfor Technologies
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Nanshan District,
Shenzhen, Guangdong Province,
P. R. China

Dear Sangfor

Subject: Common Criteria Evaluation of Sangfor NGAF 8.0.6

Electronic Warfare Associates-Canada, Limited is pleased to confirm that we are under contract for evaluation of NGAF 8.0.6 in accordance with the Common Criteria for Information Technology Security Evaluation (ISO/IEC 15408) standard at Evaluation Assurance Level (EAL)4+.

This evaluation will be carried out in accordance with the requirements of the Certification Body of the Swedish Evaluation and Certification Scheme (SCCS) and the Common Criteria Mutual Recognition Agreement (CCRA). EWA-Canada has partnered with Combitech Common Criteria Lab, a licensed evaluation facility for Common Criteria under the SCCS, to carry out this evaluation.

The labs have begun their evaluation of the initial evidence. It is anticipated that the evaluation will be registered with the scheme within two months' time.

Yours truly,
ELECTRONIC WARFARE ASSOCIATES – CANADA LTD.

Kim Braun

Kim Braun
Director

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