

# Sangfor's Answer to Ransomware

When Ransomware Calls – Sangfor Answers



[www.sangfor.com](http://www.sangfor.com)



**SANGFOR**



**91%** of cyber-attacks begin with a simple phishing email. Having a successful day phishing is easy, with new malicious malware samples produced daily, leading to a **363%** yearly increase in ransomware attacks. While cyber-phishermen aren't always successful, even one success could cost a company an average of **\$2.4M**.



**Huge Business impact**  
And Economic Loss  
(Hard decryption)



About **350,000** new malicious  
malware samples  
are created everyday



Ransomware attacks within few  
minutes but it normally takes  
over **4 months** to discover

Ransomware has adapted to bypass traditional firewall security and even next generation anti-virus software with ease, as we saw when WannaCry brought **150** countries and **200,000** machines to their knees in only 4 days. It's an epidemic, and Sangfor has the cure.

#### Example of Recent Attacks

##### 3rd August 2018

Company A was exposed to Ransomware  
(Wanna Cry)

- **Industry:** Manufacturing
- **Loss:** 2.60 billion USD
- **Fortune Global 500:** 300+

*\*Due to confidentiality issue, we are not allowed to divulge the customer name.*

##### August 2017

Company B was attacked by Ransomware  
(Petya)

- **Industry:** Shipping
- **Loss:** 270 million USD
- **Fortune Global 500:** 300+

*\*Due to confidentiality issue, we are not allowed to divulge the customer name.*

## Why Do Ransomware Bypass Traditional Security Solution?

01



Most of the organizations only have a single security product protection mainly based on detection of MD5 signature. Low-detection rate for unknown threats.



Traditional security solutions are based on the combination of multi-products rather than real cloud, network and endpoint correlation.

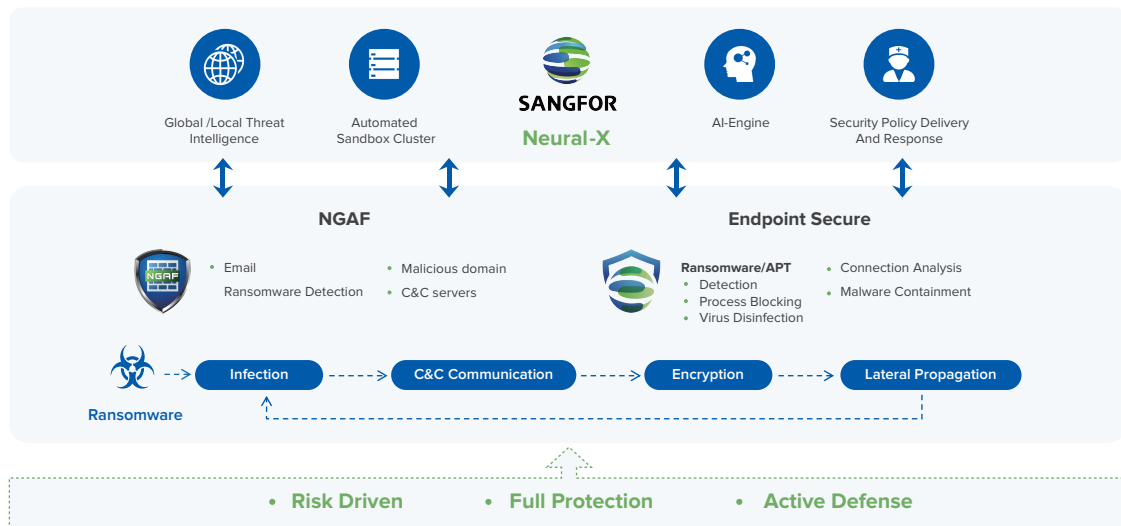
## Sangfor Correlation Solution for Ransomware

02

A cocktail of Sangfor's NGAF, Endpoint Secure and Neural-X provide the risk-driven full protection and active defense against infection.

To be successful, ransomware must go through a full-attack cycle of infection, C&C communication, encryption and finally lateral propagation.

Neural-X is the brain's response to the ransomware attack, with global and local threat intelligence, automated sandbox cluster, AI-engine and security policy delivery & response. NGAF and Endpoint Secure work in tandem to provide the power of detection, analysis, blocking, containment and finally disinfection – giving users risk-driven, full protection and an active and vigorous defense.

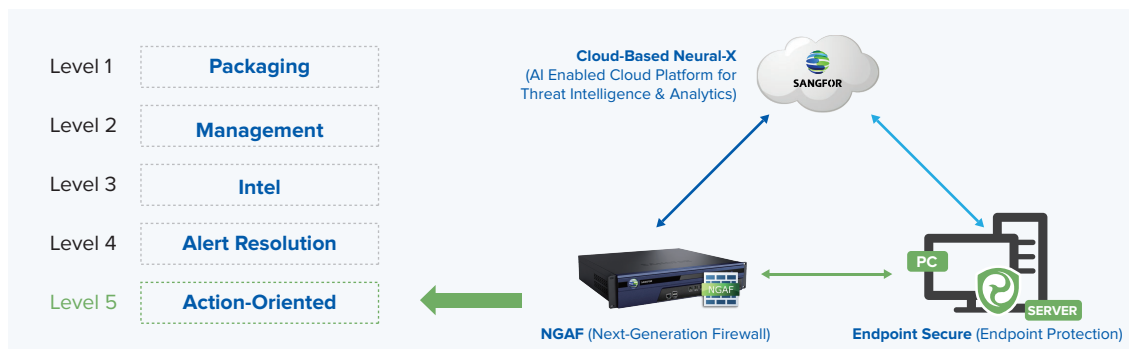


## Solution Advantages

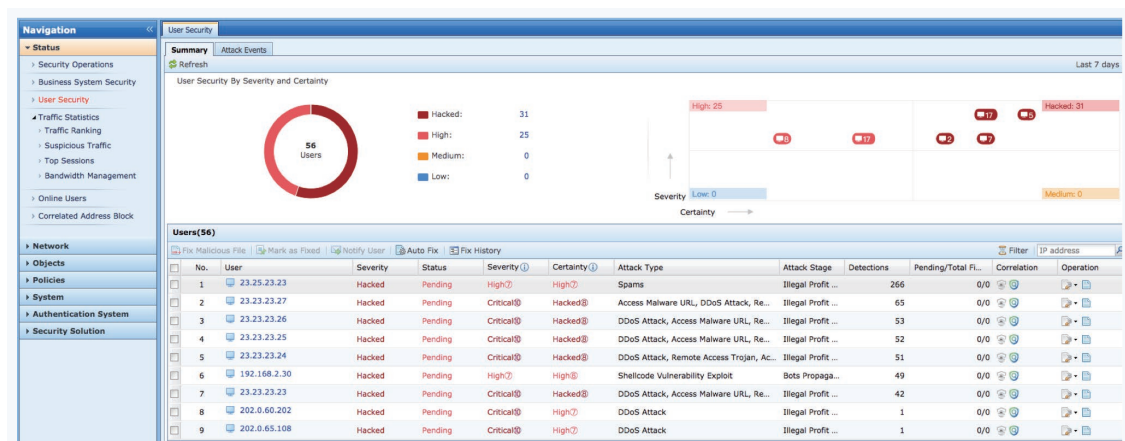
03

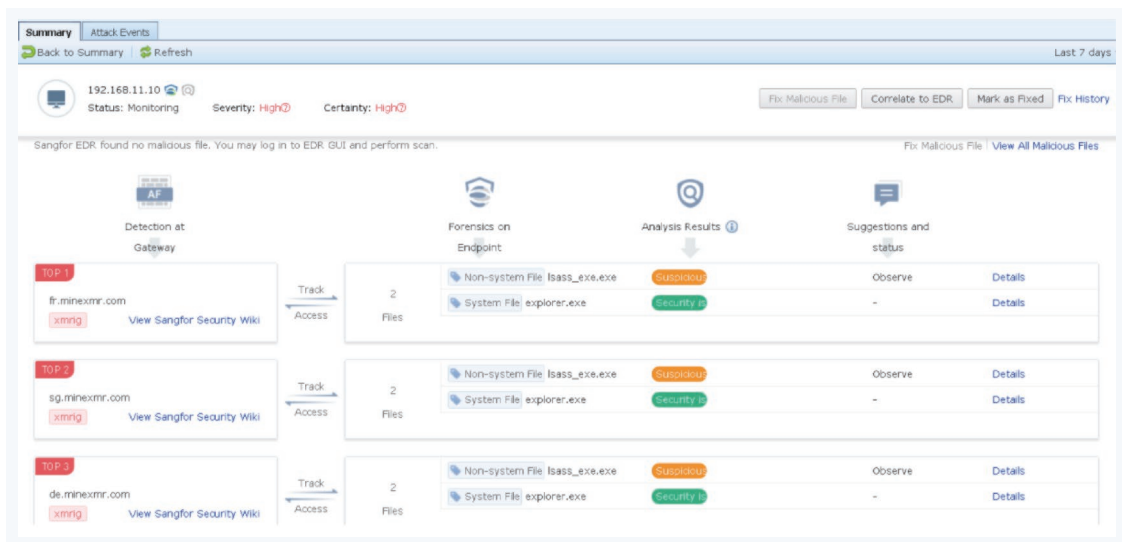
### Leading Capability

Gartner differentiates between security products with 5-levels of correlation – and Sangfor NGAF & Endpoint Secure occupy the top level of protection, security and safety.



### Fully Visibility For PC And Server Threats In Single Platform





## Correlation Analysis and Traceability of Malicious Traffic & Endpoint Behavior

Files (1 Selected)

Go to EDR GUI - [Link] to view more.

Quarantine | Trust | All statuses | All severities

No.	File	Threat	File Path	Time Created	Suggestion	Action	Operation
<b>Malicious Domain Names: pool.supportxmr.com</b>							
1	lsass.exe.exe	Malicious Domain Names: pool.supportxmr.com	desktop\????\...	-	Observe	Pending	
2	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
3	explorer.exe	Security issue	c:\windows\explorer.exe	2010-11-21 11:2...	-	Pending	
<b>Malicious Domain Names: fr.minexmr.com</b>							
4	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
5	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
6	explorer.exe	Security issue	c:\windows\explorer.exe	2010-11-21 11:2...	-	Pending	
<b>Malicious Domain Names: de.minexmr.com</b>							
7	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
8	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
9	explorer.exe	Security issue	c:\windows\explorer.exe	2010-11-21 11:2...	-	Pending	
<b>Malicious Domain Names: pool.minexmr.com</b>							
10	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
11	lsass.exe.exe	Suspicious	c:\users\sangfor\desktop\????\...	-	Observe	Pending	
12	explorer.exe	Security issue	c:\windows\explorer.exe	2010-11-21 11:2...	-	Pending	

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## Different Endpoints With The Same Malicious Domain Name/File Can Be Automatically Isolated & Blocked

Fix History

Manual Fix History | Automatic Fix History | Refresh | All

No.	Time	Host IP	Details	Type	Admin	Remark	Operati...
1	2019-10-18 16:22:08	192.168.11.10	Quarantine file (c:\windows\micr...	Quarantine File	admin	-	
2	2019-10-18 16:21:35	192.168.11.10	Quarantine file (c:\windows\micr...	Quarantine File	admin	-	
3	2019-10-08 19:05:49	192.168.11.10	Perform virus scan and removal...	Correlate to EDR	admin	-	

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Close



## Sangfor Incident Response Services

## 05

**Customer A: Government**

Country	Ransomware	Response Timeline	Sangfor Solution
China	WannaCry	Recover Back-Up (1 hour) Virus Type Confirmation and Infected File Isolation (30 mins) ES Virus Removal (2 hours)	NGAF + Endpoint Secure + SIP

**Customer B: Education**

Country	Ransomware	Response Timeline	Sangfor Solution
Malaysia	GandGrab V2.1	Recover Back-Up (5 mins with Sangfor HCI) Virus Type Confirmation and Infected File Isolation (30 mins) ES Virus Removal (2 hours)	NGAF + Endpoint Secure

**Customer C: Enterprise**

Country	Ransomware	Response Timeline	Sangfor Solution
UAE	Phobos	Virus Type Confirmation and Infected File Isolation (30 mins) ES Virus Removal (2 hours) Vulnerability Scanning (2 hours)	NGAF + Endpoint Secure

For more information on the most powerful response to the threat of ransomware available, contact Sangfor Technologies at [www.sangfor.com](http://www.sangfor.com) – and make ransomware protection and response simpler, more secure and more valuable.