ICSA labs CERTIFIED ADVANCED THREAT DEFENSE

SONICWALL®

# SonicWall Capture Advanced Threat Protection Service

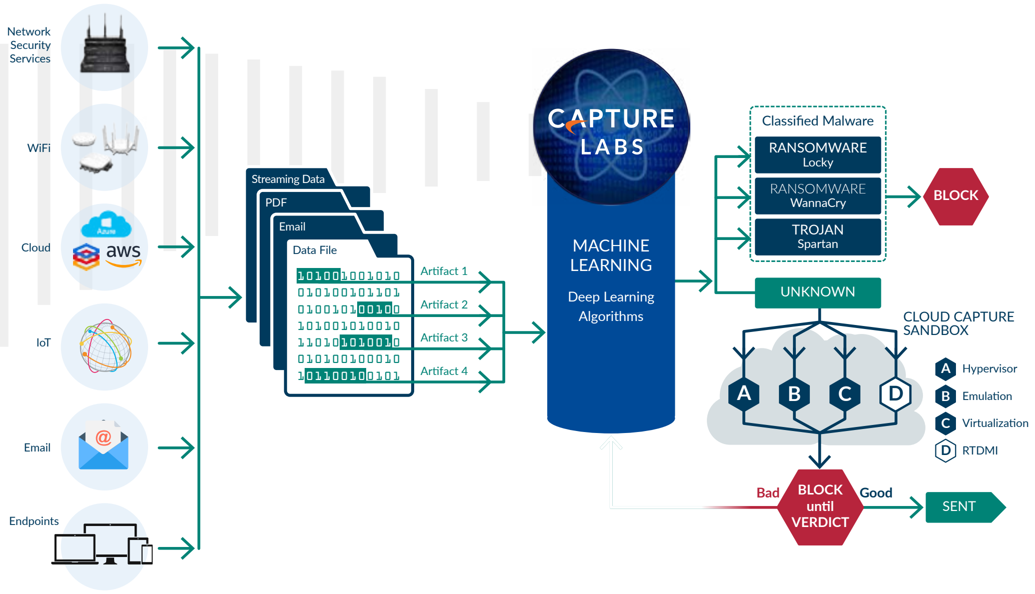
Discover and stop zero-day and other unknown attacks

For effective zero-day threat protection, organizations need solutions that include malware-analysis technologies and can detect evasive advanced threats and malware — today and tomorrow. Capture Advanced Threat Prevention (Capture ATP) was the industry's first multi-engine sandbox that could block until verdict. This technology quickly returns an accurate verdict on suspicious files and can be used across the ecosystem of SonicWall products.

## HIGHLIGHTS

### Benefits

- High-security effectiveness against unknown threats
- Near real-time signature deployment protects from follow-on attacks
- Reduced total cost of ownership
- Block files at the gateway until verdict
- Multiple engines process files in parallel for rapid verdicts
- SonicWall's RTDMI engine blocks unknown mass-market malware utilizing real-time memory-based inspection techniques



A cloud-based, multi-engine solution for stopping unknown and zero-day attacks at the gateway

**Read the Solution Brief:**

sonicwall.com/sandbox-strategy

**DATASHEET**

To protect customers against the increasing dangers of zero-day threats, SonicWall Capture Advanced Threat Protection (ATP) Service — a cloud-based service available with SonicWall firewalls — detects and can block advanced threats at the gateway until verdict. This service is the only advanced-threat-detection offering that combines multi-layer sandboxing, including SonicWall's Real-Time Deep Memory Inspection (RTDMI™), full system emulation and virtualization techniques, to analyze suspicious code behavior. This powerful combination detects more threats than single-engine sandbox solutions, which are compute-environment specific and susceptible to evasion.

The solution scans traffic and extracts suspicious code for analysis, but unlike other gateway solutions, it analyzes a broad range of file sizes and types. Global-threat intelligence infrastructure rapidly deploys remediation signatures for newly identified threats to all SonicWall network security appliances, thus preventing further infiltration. Customers benefit from high-security effectiveness, fast response times and reduced total cost of ownership.

## Features

### *MULTI-ENGINE ADVANCED THREAT ANALYSIS*

SonicWall Capture ATP Service extends firewall threat protection to detect and prevent zero-day attacks. The firewall inspects traffic, and it detects and blocks intrusions and known malware. Suspicious files are sent to the SonicWall Capture ATP Cloud for analysis. The multi-engine sandbox platform, which includes RTDMI, virtualized sandboxing, full system emulation and hypervisor-level analysis technology, executes suspicious code and analyzes behavior, and provides comprehensive visibility to malicious activity while resisting evasion tactics and maximizing zero-day threat detection.

### *REAL-TIME DEEP MEMORY INSPECTION (RTDMI)*

Enhancing SonicWall's multi-engine Capture ATP service is our patent-pending Real-Time Deep Memory Inspection technology. The RTDMI engine proactively detects and blocks mass market, zero-day threats and unknown malware by inspecting directly in memory. Because of the real-time architecture, SonicWall RTDMI technology is precise, minimizes false positives, and identifies and mitigates sophisticated attacks.

### *BROAD FILE TYPE ANALYSIS*

The service supports analysis of a broad range of file sizes and types, including executable programs (PE), DLL, PDFs, MS Office documents, archives, JAR and APK, plus multiple operating systems including Windows and Android. Administrators can customize protection by selecting or excluding files to be sent to the cloud for analysis by file type, file size, sender, recipient or protocol. In addition, administrators can manually submit files to the cloud service for analysis. We keep malicious files in our database for a month before they are deleted automatically. And benign (good) files are deleted within 24 hours from their analysis timestamp.

### *BLOCKS UNTIL VERDICT*

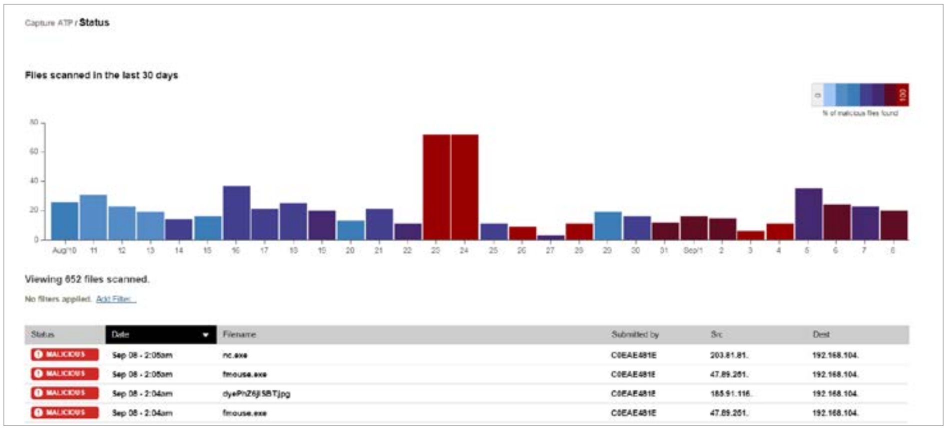
To prevent potentially malicious files from entering the network, files sent to the cloud service for analysis can be held at the gateway until a verdict is determined.

## RAPID DEPLOYMENT OF REMEDIATION SIGNATURES

When a file is identified as malicious, a signature is immediately available to firewalls with the SonicWall Capture ATP subscription to prevent follow-on attacks. In addition, the malware is submitted to the SonicWall Capture Labs threat research team for further analysis and inclusion with threat information into the Gateway Anti-Virus and IPS signature databases. Additionally, it is sent to URL, IP and domain reputation databases within 48 hours.

## REPORTING AND ALERTS

The SonicWall Capture ATP Service provides an at-a-glance threat analysis dashboard and reports, which detail the analysis results for files sent to the service, including source, destination and a summary plus details of malware action once detonated. Firewall log alerts provide notification of suspicious files sent to the SonicWall Capture ATP Service, and file analysis verdict.

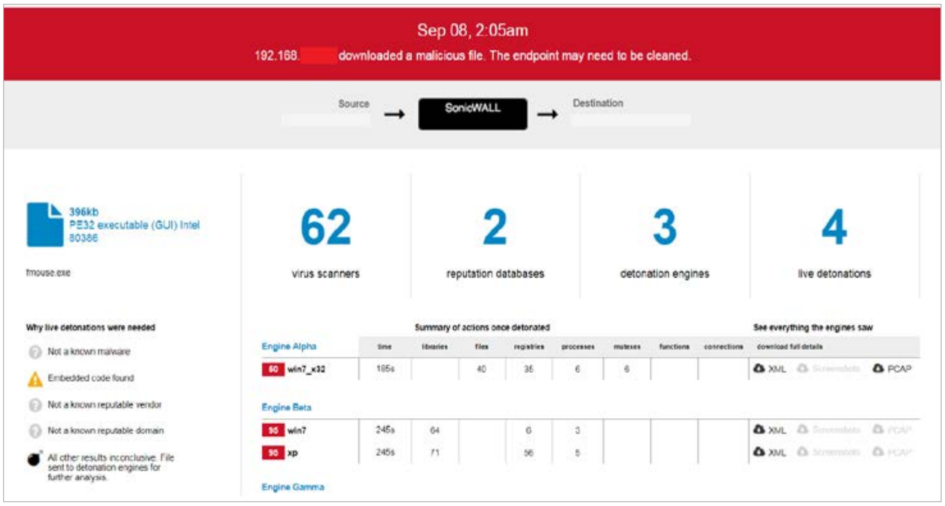


Viewing 652 files scanned.

No filters applied. Add Filter

| Status | Date | Filename | Submitted by | Src | Dest |
|---|---|---|---|---|---|
| MALICIOUS | Sep 08 - 2:05am | nc.exe | C0EAE481E | 203.81.81. | 192.168.104. |
| MALICIOUS | Sep 08 - 2:05am | fmouse.exe | C0EAE481E | 47.89.251. | 192.168.104. |
| MALICIOUS | Sep 08 - 2:04am | dyePhZ6jl5BTjpg | C0EAE481E | 185.91.116. | 192.168.104. |
| MALICIOUS | Sep 08 - 2:04am | fmouse.exe | C0EAE481E | 47.89.251. | 192.168.104. |

The SonicWall Capture ATP reporting page displays daily at-a-glance results. Colored bars on the report indicate days where malware was discovered. Administrators have the ability to click on individual daily results and apply filters to quickly see malicious files with results.



Sep 08, 2:05am

192.168.[redacted] downloaded a malicious file. The endpoint may need to be cleaned.

396kb
PE32 executable (GUI) Intel 80386

fmouse.exe

62 virus scanners

2 reputation databases

3 detonation engines

4 live detonations

Why live detonations were needed

- Not a known malware
- Embedded code found
- Not a known reputable vendor
- Not a known reputable domain
- All other results inconclusive. File sent to detonation engines for further analysis.

Summary of actions once detonated | See everything the engines saw

| Engine Alpha | time | libraries | files | registries | processes | mutexes | functions | connections | download full details |
|---|---|---|---|---|---|---|---|---|---|
| 60 win7_x32 | 185s | | 40 | 35 | 6 | 6 | | | XML Screenshots PCAP |
| **Engine Beta** | | | | | | | | | |
| 95 win7 | 245s | 64 | | 6 | 3 | | | | XML Screenshots PCAP |
| 95 xp | 245s | 71 | | 56 | 5 | | | | XML Screenshots PCAP |
| **Engine Gamma** | | | | | | | | | |

A detailed analysis report is also available for analyzed files to facilitate remediation.

## Supported Platforms

**SonicWall Capture ATP Service is supported on the following SonicWall firewalls running SonicOS 6.2.6 and higher:**

| | | |
|---|---|---|
| NS*sp* 15700 | NS*sp* 12800 | NS*sp* 12400 |
| NS*sp* 10700 | NS*sp* 11700 | NS*sp* 13700 |
| NS*a* 9650 | NS*a* 6650 | NS*a* 3700 |
| NS*a* 9450 | NS*a* 5650 | NS*a* 3650 |
| NS*a* 9250 | NS*a* 4700 | NS*a* 2700 |
| NS*a* 6700 | NS*a* 4650 | NS*a* 2650 |
| TZ670 series | TZ500 and 570 series | TZ300, 350 and 370 series |
| TZ600 series | TZ400 and 470 series | SOHO 250 series |
| Email Security Hardware, Software, Virtual and Cloud Email Security (OS 9.0+) | | |
| SMA 6200, 7200, 8200v (OS 12.0+) | | |
| SMA 200, 400, 500v (OS 10+) | | |
| Capture Client Advanced and Premier | | |

**Ask Sales@SonicWall for a Next-generation Firewall demo with Capture ATP enabled today**

sales@sonicwall.com

## About SonicWall

SonicWall delivers stable, scalable, seamless cybersecurity for the hyper-distributed era and a work reality where everyone is remote, mobile and unsecure. By knowing the unknown, providing real-time visibility and enabling breakthrough economics, SonicWall closes the cybersecurity business gap for enterprises, governments and SMBs worldwide. For more information, visit www.sonicwall.com.

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