



# **Next-Generation Firewall (NGFW) Health Check by WhiteSpider**

WhiteSpider is an industry expert in enabling business transformation through the power of digital technologies.

Working across the globe, we design, deliver, and manage Software Defined technologies that transform IT operations, secure business infrastructure, and enhance user experience.

## Service overview

WhiteSpider's Next-Generation Firewall (NGFW) Health Check provides organisations with a detailed assessment of their firewall infrastructure to ensure optimal security posture, operational efficiency, and alignment with industry best practices.

Modern NGFW platforms deliver far more than traditional perimeter protection. They provide advanced capabilities including application awareness, intrusion prevention, SSL inspection, threat intelligence integration, and advanced traffic visibility.

However, as firewall environments grow and policies evolve over time, they can become increasingly complex. Legacy rules accumulate, unused objects remain in place, and security controls may not be fully utilised.

Our NGFW Health Check identifies these issues and provides clear recommendations to improve security effectiveness, performance, and operational manageability.

The service supports major enterprise firewall platforms including Cisco Secure Firewall (FTD), Palo Alto Networks, Fortinet, and other NGFW platforms.



+ more

## Scope and coverage

The NGFW Health Check assesses all critical elements of the firewall infrastructure, including:

- Firewall architecture and high availability configuration
- Security policy design and rule base optimisation
- Application visibility and control
- Intrusion Prevention System (IPS) configuration
- SSL/TLS inspection configuration
- Threat intelligence and security services integration
- Logging, monitoring, and SIEM integration
- Hardware lifecycle and software version management

## Benefits

A WhiteSpider NGFW Health Check can help you:

- ✓ **Improved security protection:**  
Ensure your firewall infrastructure provides effective protection against modern threats.
- ✓ **Reduced security risk:**  
Identify configuration weaknesses, outdated policies, and potential exposure points.
- ✓ **Maximise security investment:**  
Ensure advanced NGFW capabilities such as IPS and application control are fully utilised.
- ✓ **Support compliance and governance:**  
Strengthen security governance through improved visibility and documented best practices.
- ✓ **Simplified firewall management:**  
Reduce rule base complexity and improve operational efficiency.
- ✓ **Improved network performance:**  
Identify misconfigurations that may impact throughput or inspection performance.
- ✓ **Enhanced security visibility:**  
Ensure security events are properly logged, monitored, and integrated into SOC workflows.
- ✓ **Lifecycle readiness:**  
Understand software lifecycle status and potential vulnerability exposure to support proactive infrastructure management.

## What we do

WhiteSpider engineers perform a comprehensive remote assessment of the firewall environment using configuration analysis, rule base evaluation, and security posture benchmarking.

This process involves reviewing both the security architecture and the operational configuration of the firewall platform.

# Typical activities

## Firewall architecture

- High availability configuration
- Network segmentation and zone design
- Interface and routing configuration

## Security policy and rule base

- Rule base optimisation
- Shadowed or unused rules
- Policy complexity and management

## Threat prevention

- Intrusion Prevention System (IPS) configuration
- Malware and threat detection capabilities
- Threat intelligence integration

## Application visibility and control

- Application identification configuration
- Policy enforcement based on application awareness

## Encryption inspection

- SSL/TLS decryption configuration
- Certificate management and trust chains

### **Logging and monitoring**

- Log collection and retention
- SIEM or SOC integration
- Event alerting and visibility

### **Lifecycle and security updates**

- Software version status
- Hardware lifecycle status
- Known vulnerabilities (PSIRT)

## **Deliverables**

At the conclusion of the engagement, WhiteSpider provides a comprehensive PowerPoint report that includes:

- ✓ Executive summary and overall security posture
- ✓ Firewall health and risk scoring
- ✓ Detailed analysis of policy configuration
- ✓ Identification of security gaps or inefficiencies
- ✓ Best practice recommendations
- ✓ Prioritised remediation plan
- ✓ Observations on lifecycle status and platform utilisation



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