Executive Summary

Organizations are rapidly adopting digital innovation (DI) initiatives to accelerate their businesses, reduce costs, improve efficiency, and provide better customer experience, all while battling more sophisticated and faster-moving cybersecurity threats. The Fortinet 360 Protection Bundle helps companies of all sizes address these challenges—and achieve DI outcomes—by providing a comprehensive set of security and operational services through a cloud platform.

The 360 Protection Bundle addresses four key use cases for network and security teams: (1) secure software-defined wide-area networking (SD-WAN), (2) cloud-based, single-pane-of-glass management; (3) risk-based analytics, orchestration, and automation; (4) comprehensive ASE FortiCare Support. Organizations leveraging the 360 Protection Bundle have the network and security tools to fully implement Fortinet recommended best practices, regardless of the size of the company or security staff. They also see reduced risk, increased efficiency and productivity, and lower total cost of ownership (TCO).

Organizations of all sizes are delivering greater business agility, improved performance, increased efficiency, and cost savings through the strategic use of cutting-edge technology. For example, public and private clouds, SD-WAN, and DevOps processes are transforming the marketplace and promoting business growth across many industries.

While their benefits are undeniable, such innovations also bring greatly increased network complexity, which in turn introduces new security issues. An organization’s data, applications, and network traffic are no longer confined to the corporate data center, where a perimeter-based approach could provide protection. Instead, the attack surface has dramatically expanded to the edges of the network. This makes it more difficult to protect against malicious threats.

At the same time, the threat landscape is becoming more complex, with increasingly sophisticated attacks occurring more frequently and moving at machine speed. One example: In the fourth quarter of 2018, FortiGuard Labs detected nearly 34,000 new malware variants—a 128% increase over the first quarter of the same year.² Part of this problem is tied to zero-day attacks, which are becoming more common—75% of unknown malware detected by FortiSandbox was not found on the VirusTotal tool, which aggregates information from 50 different antivirus vendors.³ And these attacks affect organizations of all sizes, with small and midsize businesses now comprising 58% of data breach victims.⁴

Optimizing Network Management with the 360 Protection Bundle

The 360 Protection Bundle from Fortinet includes operational services via cloud-based, real-time, single-pane-of-glass management and analytics.

The 360 Protection Bundle also includes a complete set of security services from Fortinet, including robust and complete advanced malware protection, an intrusion prevention system (IPS), and a security rating service. Also included are services to help protect SD-WAN infrastructure, virtual private network (VPN) systems, and industrial control systems (ICS).

This, along with the ASE FortiCare Support included in the bundle, provides a comprehensive toolset that enables organizations of any size to follow the best practices for operations and security recommended by Fortinet—all without adding staff.
Fulfilling Key Use Cases

The 360 Protection Bundle helps organizations address the complexity of their distributed networks and the increasingly sophisticated nature of threats by supporting four critical use cases for network security teams:

1. **Secure SD-WAN.** As the use of business-critical, cloud-based applications and tools continues to increase, distributed organizations with multiple remote offices are switching from performance-inhibited wide-area networks (WANs) to SD-WAN. SD-WAN solutions transform an organization’s capabilities by leveraging the corporate WAN as well as multi-cloud connectivity to deliver high-speed application performance at the WAN Edge of branch sites. Secure SD-WAN enables organizations to enable next-generation firewalls (NGFWs) with SD-WAN in a simplified offering.

The FortiGate 360 Protection Bundle includes SD-WAN Orchestrator, which works with Fabric Management Center to configure, manage, and monitor SD-WAN deployments on FortiGates. This greatly reduces complexities and resource demands in environments with multiple SD-WAN instances.

2. **Cloud-based, single-pane-of-glass management.** As the attack surface has broadened, organizations have added a variety of point solutions to fill the resulting security gaps. In many instances, this has resulted in a siloed security architecture that makes it almost impossible to produce a single, enterprise view of an organization’s security posture. Managing all these solutions is also difficult, especially given the cybersecurity skills shortage.6

FortiCloud Premium customers with FortiGate 360 Protection Bundle have both FortiManager Cloud and FortiAnalyzer Cloud, enabling organizations to leverage centralized management and analytics tools for the entire Fortinet Security Fabric—all from a cloud-based platform. Fabric-enabled devices are visible from a single pane of glass—whether they are at headquarters, at branch locations around the world, or mobile.

Enterprises use an average of 75 security products to secure their networks.8
3. **Risk-based analytics, orchestration, and automation.** Once adversaries have infiltrated a network, they often remain dormant for a long time to avoid detection before moving laterally within the network to exfiltrate sensitive data. Research continually shows that employees are the most common cause of successful cyberattacks. While some of these attacks are malicious, most are caused by human error.

A fragmented security architecture results in inefficient manual processes that increase the likelihood of human error. This brings heightened risk for even the most common type of breach. The speed of today’s advanced threats also means that manual processes are not timely enough to provide adequate protection, with exfiltration of corporate data now happening in minutes in some cases.\(^6\)

The 360 Protection Bundle includes real-time network management, comprehensive security and operational services, and advanced support. These services include those that enable organizations to leverage intuitive SD-WAN orchestration, automate Internet-of-Things (IoT) device identification and segmentation, optimize operations with IP Address Management (IPAM) across the Security Fabric, and gain visibility and insights across their organization.

FortiGuard IoT Service helps shrink the attack surface stemming from IoT devices. With this service, the Fortinet Security Fabric will leverage FortiGuard intelligence to automatically identify, segment, and assign policies to IoT devices, both known and unknown.

IPAM enhances and simplifies network operations by allowing customers to better manage their DHCP and DNS using FortiGuard cloud service. FortiGates deployed within the organization will be automatically assigned IP subnets that do not overlap.

Security Rating Service can guide organizations to design, implement, and continually maintain the target Security Fabric security posture suited for their environment. The Security Fabric is fundamentally built on security best practices, and by running these audit checks, security teams will be able to identify critical vulnerabilities and configuration weaknesses in their Security Fabric setup, and implement best practice recommendations.

The 360 Protection Bundle supports an integrated security architecture—in the form of the Fortinet Security Fabric—with centralized logging, reporting, and analysis. This enables automation of security processes, comprehensive analysis from a single console, and minimized opportunity for human error.

4. **ASE FortiCare Support.** The cybersecurity skills shortage and increased compliance requirements have increased the demand for security services—whether purchasing solutions from security vendors as a subscription service or leveraging managed security service providers (MSSPs) to supplement in-house staff. Many companies are currently using a hybrid approach, leveraging MSSPs, subscription services, and in-house staff.

In numerous instances, these security services support business-critical infrastructure for which downtime or active cyberattacks could directly impact the bottom line. As a result, when security teams need support, they typically need it immediately. And they need assurance that issues will be resolved in a specific time frame.

This is where ASE FortiCare Support in the 360 Protection Bundle can help. This package provides prioritized, world-class support from trained agents located around the globe—24×7×365. Aggressive service-level agreements (SLAs) ensure that issues are resolved in a timely manner. And in today’s world of hybrid security services, ASE FortiCare Support is available to both end-users and MSSPs.
Conclusion

To recap, the 360 Protection Bundle supports an integrated security architecture with centralized visibility and control and risk-based analytics. This brings a number of benefits to an organization:

- Support for Secure SD-WAN through a simplified combination of NGFW with SD-WAN in a single offering
- Risk reduction through automated threat response, improved configurations, and better operations management
- Efficiency and productivity gains through elimination of manual processes and centralized control and analysis
- Lower TCO due to reduced operational glitches and fewer security incidents requiring manual response

The 360 Protection Bundle also provides a comprehensive suite of security services, support for secure SD-WAN networking, and advanced support. This complete protection helps organizations of all sizes manage complexity in their networks and deliver full protection across the entire attack surface.

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2. Based on internal data from FortiGuard Labs.