Key benefits

• Delivers complete content and network protection
• Combines stateful inspection with a comprehensive suite of powerful security features.
• Meets payment card industry data security standard (PCI DSS) compliance.
• Intrusion prevention systems (IPS) technology protects against current and emerging network-level threats.
• Performs anomaly-based detection which alerts users to any traffic that matches attack behavior profiles.
• Proactively blocks newly discovered sophisticated attacks in real-time with advanced threat protection.
• Combines threat protection security capabilities into single high-performance network security appliance.

Product overview

FortiGate delivers next generation firewall capabilities for organizations of all sizes, with the flexibility to be deployed as next generation firewall and/or virtual private network (VPN) gateway. It protects against cyber threats with high performance, security efficacy, and deep visibility.

Product features

Security

• Identifies thousands of applications inside network traffic for deep inspection and granular policy enforcement.
• Protects against malware, exploits, and malicious websites in both encrypted and non-encrypted traffic.
• Prevent and detect against known and unknown attacks using continuous threat intelligence from AI-powered FortiGuard Labs security services.

Networking

• Delivers high-density, flexible combination of various high-speed interfaces to enable best total cost of ownership (TCO) for customers for data center and wide area network (WAN) deployments.
• Design for high availability using AWS health checks.

Management

• Includes a management console that is effective, simple to use, and provides comprehensive network automation and visibility.
• Provides Zero Touch Integration with Fortinet’s Security Fabric’s Single Pane of Glass Management.
• Map your security postures to scale up and down with your AWS Elastic Compute Cloud (EC2).
How it works

Next-generation firewalls (NGFWs) filter network traffic to protect an organization from internal and external threats. Along with maintaining features of stateful firewalls such as packet filtering, internet protocol security (IPsec) and secure sockets layer (SSL) VPN support, network monitoring, and internet protocol (IP) mapping features, NGFWs possess deeper content inspection capabilities.

These capabilities provide the ability to identify attacks, malware, and other threats, and allow the NGFW to block these threats. NGFWs provide organizations with SSL inspection, application control, intrusion prevention, and advanced visibility across the entire attack surface.

Differentiators

- Fortinet embeds the latest AWS Auto Scaling functionality and FortiGate CloudFormation template configuration into our cloud Security Fabric, providing automation based on resource demand from your cloud workloads.
- Accelerate time-to-protection for new threats detected by AWS GuardDuty by deploying native AWS scripting to automatically push malicious IP or domain name system (DNS) addresses into dynamic FortiGate policies.
- Provide service resiliency with AWS native load balancer.
What are customers saying

Autodesk Saves Over $1.46 Million in Operational Costs with Fortinet

**Challenge**
Autodesk needed scalable and secure cloud security to build new applications and extend internal data centers.

**Solution**
Fortinet’s adaptive cloud security enabled Autodesk to implement a scalable, secure VPC model that would both satisfy the north-south firewall requirement and facilitate minimal latency for east-west (inter-VPC) traffic.

**Benefits**
- Saved over $1.46 million in operational efficiency improvements
- Increased visibility and a quicker reaction to events
- Created VPN attachments from the Transit Gateway to a Fortinet Cloud Security Services Hub VPC consisting of a scalable fleet

"By creating a Cloud Security Services Hub within each region and having the FortiGate VM firewalls secure traffic across Amazon VPCs (east-west traffic) consistently across our on-premises and cloud infrastructures, we can address business needs in a much more timely and effective manner while maintaining consistent security posture."

Anish John, Cloud Network Architect, Autodesk

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**Competencies**

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Solution available in [AWS Marketplace](https://aws.amazon.com/marketplace)