

SOLUTION BRIEF

# FortiGate Cloud Service

## Executive Summary

FortiGate Cloud is a Software-as-a-Service (SaaS)-based service that provides customers unified visibility and control of their networks, including SD-WAN, network security, and Wi-Fi devices on a single dashboard. It enables managed service providers (MSPs) to leverage a simplified cloud-based management interface to manage thousands of customer networks to offer their customers a superior service experience.

### Simplifying small branch network management and operations

Businesses shouldn't spend much time managing their networks, as it takes away focus from their customers and operating their business. Wireless networking for mobile access, wired networking for a range of connected digital devices, multiple methods of internet connectivity, and other challenges make today's networks more complex to maintain. FortiGate Cloud simplifies the deployment and management of enterprise-class network security, SD-WAN, and wireless with centralized administration from the cloud. It gives network administrators full visibility and adequate control without the cost and complexities of additional element management systems and appliances.

FortiGate Cloud handles the deployment, provisioning, configuration management, analytics, and hybrid, remote access for FortiGate, FortiSwitch, FortiAP, and FortiExtender product lines. As a SaaS-based service, it gets the customer's network up and running quickly within the hybrid environment, and then lets customers maintain centralized visibility and control of their network from the cloud.

FortiGate Cloud is ideal for businesses with growing or changing network demands. It increases the efficiency of customers' network operations while reducing the costs and time associated with expanding their network capabilities.

FortiGate Cloud is a powerful, intuitive, and highly flexible solution that can scale from a few devices in a small office location to thousands of devices, such as in the case of MSPs. It is an ideal solution for small to midsize enterprises and the MSPs that service those businesses.

## Benefits of FortiGate Cloud

Eliminate expensive upfront management infrastructure costs with SaaS-based network management and security analytics in a single pane of glass. Lower network operations overhead with an intuitive and single management dashboard, eliminating the need for point-product management systems. The pay-as-you-grow model lets you scale from small installations to larger deployments. And the highly redundant and secure architecture includes 24/7 support to ensure business continuity.

### The FortiGate Cloud Service provides:

- FortiGate provisioning, SD-WAN configuration, and security policy management
- Zero-touch device provisioning with [FortiZTP](#)
- Bulk device provisioning
- Centralized configuration management
- Real-time, location-based security analytics with customizable reporting
- Traffic and application visibility

## FortiGate Cloud Features

### Zero-touch provisioning with FortiZTP

Initial firewall and access points configuration can be difficult, often requiring expert staff on-site to configure each device individually. FortiZTP greatly simplifies the initial configuration and onboarding by providing one-touch provisioning. Remotely provision your FortiGate device and manage security policies in minutes. Hundreds of FortiGates, FortiAPs, FortiSwitches, and FortiExtenders can be provisioned by using a bulk key in distributed environments, such as large retail or education networks. Once a communication tunnel is established, FortiGate Cloud leverages provisioning profiles and setup wizards to configure managed devices as required quickly.

### Centralized configuration and device management

Consistent configuration of the devices within your network is essential for maintaining optimal performance and a robust security posture. FortiGate Cloud provides a central web-based management console to control Fortinet devices. Device settings such as SD-WAN interfaces, SLAs, rules, IP addresses, or SSIDs can be centrally configured for individual devices or pushed to multiple devices. Configuration backups are kept in FortiGate Cloud to assist with replacement or recovery efforts. Device firmware updates can also be centrally managed and controlled, ensuring uniform policy enforcement and allowing you to take advantage of the latest features.

### Network health- and usage-based analytics

The FortiGate Cloud dashboard provides visibility and control of the health of the entire network. It also provides detailed information on the applications being used and by whom, bandwidth consumption by AP, client, or application, and much more. FortiGate Cloud analytics include granular drill-down and filtering functionality to instantly determine how applications, websites, users, and threats are impacting your network. To aid in management and compliance reporting, detailed preconfigured and custom reports are available, including specialized PCI DSS compliance reports. They can be run on demand or scheduled for certain times and distributed by email to interested parties.

### Cloud-managed guest Wi-Fi

Many distributed enterprises need to provide secure internet access for guests and visitors. FortiGate Cloud enables you to fully control how guests access your wireless network and includes features such as customizable captive portals for authentication. It also allows businesses to associate any number of SSIDs with a fully customized captive portal and to operate multiple branded captive portals simultaneously if needed. Guests can connect to an open SSID, but the AP responds to the client's first HTTP request with a web page requesting username and password. Secure guest Wi-Fi can also be set up by configuring network security to WPA2-PSK.

### FortiGuard Sandboxing to protect against advanced persistent threats (APTs)

Harness the power and expertise of FortiGuard Labs' global threat research team to inspect potentially malicious files. FortiGate firewalls upload suspicious files to FortiGate Cloud, where it will execute the file in the FortiSandbox environment and analyze the resulting behavior for risk. If the file exhibits risky behavior or is found to contain a virus, the verdict will be returned to the device that submitted the sample. The FortiGate Cloud console enables administrators to view the status of any suspicious files uploaded: pending, clean, malware, or unknown. The console also provides data on time, user, and location of the infected file for forensic analysis.

### FortiGate Cloud for managed service providers

The explosion of mobile devices, applications, video, and the remote workforce is driving substantial opportunities for MSPs to help organizations deploy end-to-end network solutions with value-added services. Organizations are also increasingly looking to offload network deployment, management, and ongoing operations to a trusted partner. This gives MSPs the ability to deliver network services, such as end-to-end network management, monitoring, configuration, and troubleshooting handled by the service provider.

Before the advent of cloud-managed services, managing a customer's network was complex and costly. MSPs needed separate security appliances, controllers, wireless access points, and management consoles for each location and could not integrate all



their customers' networks under a single dashboard. With the right cloud platform, managing the network components becomes considerably easier and more profitable for MSPs. FortiGate Cloud provides everything required to fully manage FortiGate, FortiAP, FortiSwitch, and FortiExtender products from a single centralized management dashboard. FortiGate Cloud allows MSPs to remotely manage FortiGates and network security at any location, from anywhere, via the cloud. This gives MSPs wishing to offer a managed service an exceptionally effortless way to get started without investing in infrastructure, low capital and operational expenditures, and value-added incremental revenue.

## Key Benefits for Managed Service Providers

### SaaS-based management and reporting

- Easily manage multiple sites from a single console
- Manage customer networks at any location from anywhere
- Easily manage remote devices and applications, get analytics on user behavior, traffic, and utilization patterns, plus immediate alerts
- Support hundreds of tenants from a single FortiGate Cloud platform
- See a tenant-specific view for each customer
  - Enable secure and private data for each tenant
  - Provide configuration, monitoring, troubleshooting, analytics, and applications for each tenant
  - Significantly lower CapEx and OpEx for lower TCO
  - Role-based access control to assign additional admins in the MSSP organizations to manage tenants
- No infrastructure costs to maintain a multi-tenant, cloud-hosted management infrastructure
  - Rapid time to market
- Enterprise-grade features, including multiple SSIDs for different groups of users, secure guest access, and branded public hotspots
- Flexible and scalable to quickly meet business demands
- Reliable service delivery through automated tools

### Opportunity for value-added services

The FortiGate Cloud solution enables MSPs to extend enterprise-class features to small and mid-sized businesses. Solutions including bring-your-own device (BYOD), wireless security, location analytics, and threat-detection services are available. They can be deployed to organizations of all sizes with minimal operational cost and complexity. FortiGate Cloud also provides significant opportunities for recurring value-added services, so MSPs can offer complete managed services, 24/7 monitoring, end-user help desks, network design and recommendations, and installation services. These benefits make FortiGate Cloud an extremely attractive solution for MSPs looking to grow their service offerings with minimal upfront investment.

## Summary

Only Fortinet delivers a complete, proven, and scalable solution that meets security and network challenges for any size network. Fortinet's cloud management service combines ease of deployment with a high-performance, scalable, and cost-effective way to meet the growing demands of IT organizations. Fortinet solutions can scale from small to midsize enterprises, branch offices, and campuses to distributed enterprises. FortiGate Cloud gives customers and MSPs an easy way to enable network and security management from a unified SaaS-based platform. The solution significantly reduces CapEx and OpEx and lets customers get up and running quickly.



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