

SOLUTION BRIEF

Simplify UTM Device Provisioning, Management, and Analytics with FortiGate Cloud

Executive Overview

Enterprises spend too much time managing their networks that could be better spent growing their businesses. FortiGate Cloud simplifies the deployment and management of enterprise-class network security by providing centralized administration from the cloud. It gives network administrators full control and visibility without the cost and complexities of stand-alone component management. It includes features for instant scalability and zero-touch deployment, which saves both time and money for resource-constrained IT departments.

Global businesses with widely distributed networks must now monitor and manage security events across broad and often unconnected ecosystems to detect threats in a timely manner. They must ensure that insufficient protection in one area of the network does not result in a broader compromise. But monitoring security across branches, campuses, the data center, and the cloud has become a key challenge for network security teams.

FortiGate Cloud Is Fast and Easy to Use

These challenges can be solved with Fortinet FortiGate Cloud, which handles deployment, provisioning, configuration management, and analytics for FortiGate products. As a cloud-based service, it gets organizations up and running quickly while providing centralized control and visibility of the network. FortiGate Cloud can be accessed from both local and remote locations. No additional hardware or software is needed.

FortiGate Cloud delivers cloud-managed networking without the infrastructure buildout required by traditional solutions. The service is specifically built for centrally managing FortiGate next generation firewalls (NGFWs) over the web while maintaining security of the network. Hosted by Fortinet, it provides a complete solution without the cost and complexity of traditional infrastructure buildout. FortiGate Cloud is ideal for businesses with growing or fluctuating network demands. It increases network efficiency while reducing the costs and time associated with expanding capabilities.

FortiGate Cloud is a powerful and intuitive solution that can scale from a few devices in a small office location to thousands of devices in a large enterprise campus. It is an ideal solution for small to large enterprises, distributed enterprises, and managed service providers (MSPs).

Consistent Firewall Policies and Protection Across Distributed Operations

FortiGate Cloud is designed to facilitate turnkey provisioning of FortiGate NGFWs at remote sites when onsite configuration expertise is unavailable. At the same time, it provides unified management for overseeing security infrastructure. FortiGate Cloud features include:

One-Touch Provisioning and Simplified Deployment

Initial configuration of firewalls can be difficult, often requiring expert staff to physically configure each device. FortiGate Cloud's FortiDeploy feature greatly simplifies initial configuration and onboarding. It enables one-touch provisioning when devices are deployed onsite or remotely. FortiDeploy provides automatic deployment of FortiGate NGFWs that will be managed via FortiGate Cloud. Hundreds of FortiGate NGFWs can be provisioned using a bulk key in distributed environments, such as large retail or education networks. Once a communications tunnel is established, FortiGate Cloud leverages provisioning profiles and setup wizards to quickly configure managed devices as required.

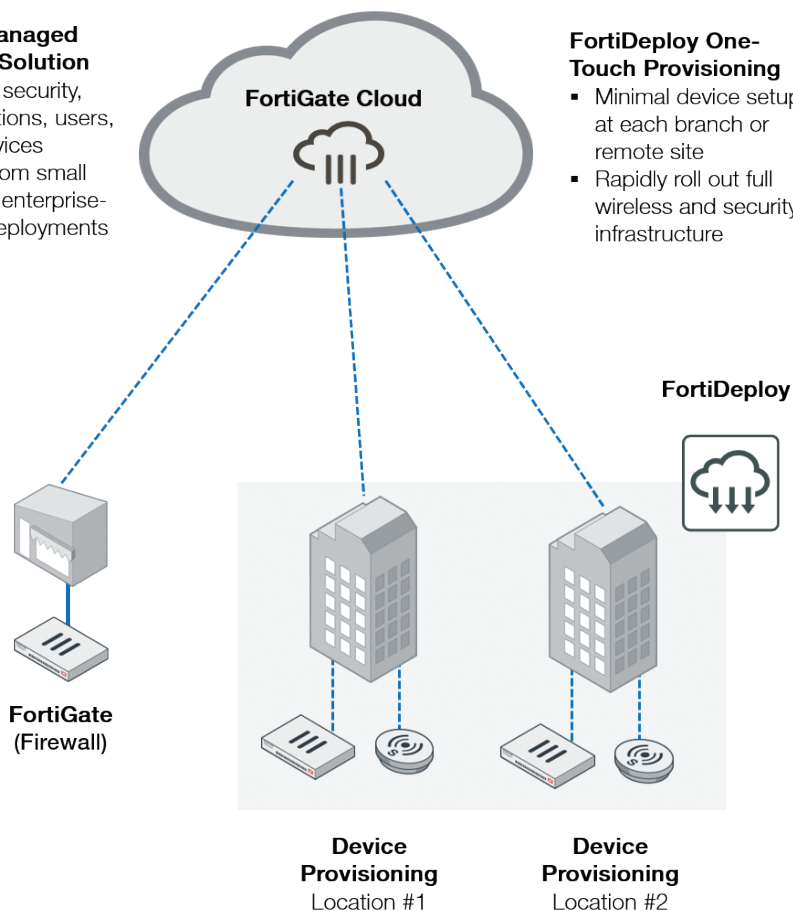
The FortiGate Cloud solution provides:

- One-touch device provisioning with FortiDeploy
- FortiGate provisioning and policy management
- Centralized configuration management
- Traffic and application visibility
- Integrated FortiSandbox Cloud threat protection and management (with subscription)

FortiGate Cloud with FortiDeploy

Cloud-Managed Security Solution

- Control security, applications, users, and devices
- Scale from small sites to enterprise-scale deployments



FortiDeploy One-Touch Provisioning

- Minimal device setup at each branch or remote site
- Rapidly roll out full wireless and security infrastructure

Benefits of the FortiGate Cloud Service:

- No infrastructure buildout costs with a Fortinet-hosted cloud service.
- Intuitive, single-pane management dashboard reduces the burden on staff and resources.
- Easy to deploy. No need to install, manage, and maintain onsite controllers and other management systems. All customer premises equipment (CPE) can be provisioned and deployed remotely from the FortiGate Cloud management portal.
- Scale with demand. Pay-as-you-grow model lets you scale from small installations to large campus deployments.
- Highly redundant and secure architecture with 24x7 support to ensure business continuity.

FIGURE 1: FortiGate Cloud deploys and manages FortiGate firewalls from a centralized, cloud-based console.

Centralized Configuration and Device Management

Consistent configuration of the devices within your network is essential for maintaining optimal performance and security. FortiGate Cloud provides a central web-based management console to control FortiGate NGFWs. Device settings (such as IP addresses) 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 to ensure uniform policy enforcement and to help administrators take advantage of the latest features.

Security policies can be managed in minutes using the FortiGate Cloud management dashboard. Administrators can apply different security and bandwidth settings for different groups of users or devices. Settings can be synchronized across thousands of sites.

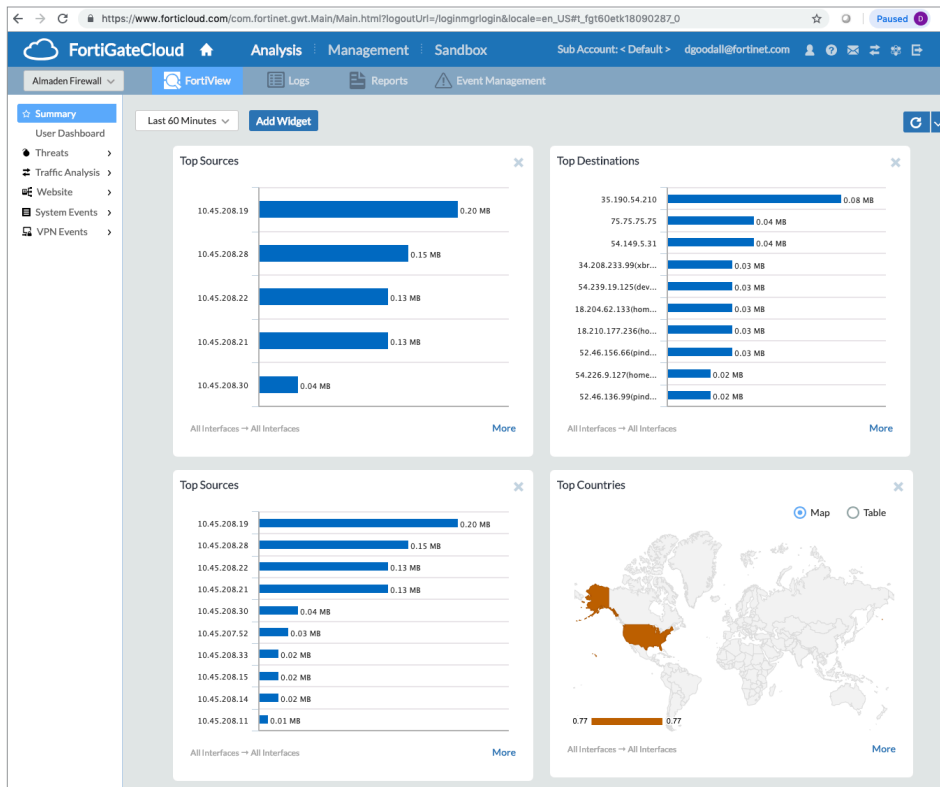


FIGURE 2: FortiGate Cloud management dashboard.

Sandbox Integration for Threat Inspection

FortiGate Cloud facilitates sandbox inspection of suspicious files for advanced persistent threats (APTs). FortiGate NGFWs can upload potentially malicious files to FortiGate Cloud, where it will execute and analyze the file in a secure sandbox solution (such as FortiSandbox). If the file exhibits risky behavior or is found to contain a virus, that intelligence will be shared with the device that submitted the sample for immediate control.

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 personal mobile devices, cloud-based applications, and video in the workplace 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. Services such as end-to-end network management, monitoring, configuration, and troubleshooting can now be handled by a service provider. This gives MSPs new, recurring revenue opportunities by providing value-added services to customers.

Key Benefits for MSPs:

Centralized Management and Reporting

- Easily manage multiple sites from a single, web-based console
- Manage customer networks at any location from anywhere
- Easily manage BYODs
- Get analytics on user behavior, traffic, and utilization patterns, plus immediate alerts

Scalable Customer Support

- Support hundreds of tenants from a single FortiCloud 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

Business Value

- Significantly lowers capital expenditure (CapEx) and total cost of ownership (TCO)
- No infrastructure costs to maintain a multi-tenant, cloud-hosted infrastructure
- Rapid time to market

FortiGate Cloud provides everything required to remotely manage network security at any location, from anywhere, via the cloud.

With FortiGate Cloud, MSPs can extend advanced, enterprise-class security features to small and midsize businesses with minimal operational cost and complexity. FortiGate Cloud provides significant opportunities for recurring value-added services, so MSPs can offer complete managed services, 24x7 monitoring, end-user help desks, network design and recommendations, and installation services.

Global Protection from Single Vantage Point

Only Fortinet delivers a complete, proven, and scalable solution that meets security challenges for any size network. The Fortinet cloud-based management service combines ease of deployment with a high-performance, scalable, and cost-effective way to meet the demands of IT organizations.

FortiGate Cloud gives enterprise customers and small MSPs an easy way to enable security management from a unified cloud platform. The solution significantly reduces CapEx while helping customers get NGFW defenses up and running quickly.



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