

# Solution: Fortinet FortiGate UTM

## Client: Nigerian Bottling Company [Coca Cola]

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**Fortinet** initiated an innovative, high performance network security solution that addresses the fundamental problems of an increasingly bandwidth-intensive network environment and a more sophisticated IT threat landscape. Fortinet is a leading provider of network security appliances and arguably the market leader in **Unified Threat Management**, or **UTM**.

**Fortinet's sole focus is on IT security innovation and developing new solutions that help our customers stay ahead of emerging threats.** Typical Security Model Numerous stand-alone security products from different vendors are costly to deploy, complex to manage, and degrade network performance and reliability. The Fortinet UTM Model Fortinet's fully integrated security technologies offer increased protection, improved performance, reduced costs, and greater reliability.

### Pioneering Security

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Fortinet was founded in 2000 to solve the challenges of organizations needing more network protection than existing technologies, such as firewall and VPN, could provide. Fortinet's approach was to create Unified Threat Management. Our solution tightly integrates many functions together into a single platform, including firewall, VPN, application control, intrusion prevention, and Web filtering. Fortinet delivers complete content protection, which is more than simply identifying applications and allowing or denying the traffic. It is application control coupled with identity-based policy enforcement of all content.

### The ASIC Performance Advantage

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Fortinet's purpose-built architecture delivers very high throughput with exceptionally low latency. Custom FortiASIC™ processors deliver the power you need to detect malicious content at multi-Gigabit speeds. Other security technologies cannot protect against today's wide range of content- and connection-based threats because they rely on general-purpose CPUs, causing a dangerous performance gap. FortiASIC processors provide the performance needed to block emerging threats, meet rigorous third-party certifications, and ensure that your network security solution does not become a network bottleneck.

### Key Benefits

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- ✓ **Accelerated, high performance unified threat management.** We offer a high performance UTM solution based on our proprietary technology platform, FortiASICs and FortiOS.
- ✓ **High quality security functionality.** Our broad set of integrated, high quality security functions enable the most sophisticated and demanding end-customers to avoid the shortcomings of a traditionally fragmented security point product infrastructure.
- ✓ **Lower total cost of ownership.** By consolidating security functionality into a single device, reducing network complexity, and centralizing management functions, Fortinet solutions significantly reduce our end-customers' total cost of ownership.
- ✓ **Superior flexibility and ease of deployment.** Our UTM solution enables end customers to activate additional security functions and subscription services on an on-demand basis as their security needs evolve.
- ✓ **Broad, end-to-end security protection.** We offer a broad range of appliances and software to help end-customers defend against today's broad range of security threats, from the endpoint to core.

## The Fortinet Advantage

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Consolidated security technologies, hardware-accelerated performance, and global threat research and support are the three defining advantages that set Fortinet apart from every other security vendor.

- ✓ **Consolidated, Comprehensive Security:** This approach enables higher throughput and lower latency, with greater visibility and control over users, applications, and data.
- ✓ **Hardware-Accelerated Performance:** We designed our FortiASIC custom processors specifically to accelerate the processing-intensive tasks required to secure networks in today's sophisticated threat environment.
- ✓ **Global Threat Research and Support:** Our global FortiGuard® Labs threat research and FortiCare™ support teams deliver the 24/7 real-time protection and support you need to stay ahead of a constantly evolving threat landscape and an ever-changing networking environment.

## Consolidated Network Security Solutions

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Ranging from the FortiGate-50B series for small offices to the FortiGate-5000 series for large enterprises, service providers and carriers, the FortiGate line combines the FortiOS™ security operating system with FortiASIC processors and other hardware to provide a comprehensive and high-performance array of security and networking functions including:

- ✓ **Firewall, VPN, and Traffic Shaping**
- ✓ **Intrusion Prevention System (IPS)**
- ✓ **Antivirus/Antispyware/Antimalware**
- ✓ **Web Filtering**
- ✓ **WAN Optimization**
- ✓ **Antispam**
- ✓ **Application Control**
- ✓ **VoIP Support**
- ✓ **Layer 2/3 routing**
- ✓ **1IPv6 Acceleration**
- ✓ **Virtual Domains**
- ✓ **Virtual Appliances**
- ✓ **SSL Inspection**
- ✓ **Endpoint Access**
- ✓ **Vulnerability Mgmt.**

## Rigorous 3rd Party Certifications Validate Fortinet's Approach to Network Security

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Fortinet is the only unified threat management vendor to earn certifications across all core security technologies. These independent certifications demonstrate our ability to consolidate multiple security technologies into a single device while still meeting the highest standards of performance and accuracy. Our certifications include:

- ✓ Firewall
- ✓ IPS
- ✓ VPN
- ✓ Antivirus
- ✓ Antispam

## Wide Range of Customers and Security Solutions

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Fortinet provides integrated security solutions for every size customer, from global carriers to small businesses. We protect organizations in every industry, and almost every country around the globe.

**Carrier/Service Provider Solutions:** Fortinet's Advanced TCATM FortiGate-5000 series chassis-based systems and FortiGate-3000 series appliance-based platforms provide complete network security, policy enforcement, and QoS management solutions for service providers, large enterprises and telecommunications providers. Native support for high-density Gigabit Ethernet (GbE) and 10-GbE interfaces provides tremendous flexibility and throughput scalability. Consolidated security technologies and support for virtual domains are ideal for high-speed security gateways, managed security services, and complex multi-tenant deployments. Delivers up to 480 Gbps firewall throughput.

**Large Enterprise Solutions:** Fortinet consolidated security solutions provide the defense-in-depth your large enterprise network needs, as well as flexible deployment options and a scalable path for expansion. The unique combination of ASIC-accelerated performance, integrated threat response, and dynamic threat intelligence delivers the highest level of network and content security while simplifying your network infrastructure. Delivers up to 120 Gbps firewall throughput.

**Mid-Enterprise Solutions:** FortiGate consolidated security appliances for mid-enterprise deployments deliver fully integrated, essential security and networking functions in a single high-performance device. You can rely on complete content protection to stop complex, emerging threats that evade detection by other stand-alone technologies or legacy products. Delivers up to 44 Gbps firewall throughput.

**SMB/Remote Office Solutions:** Fortinet appliances integrate all the essential security services needed to protect a business in an affordable package. These easy-to-deploy and manage systems deliver comprehensive protection in a flexible, turn-key platform that is ideally suited to provide smaller locations with the security you need. Delivers up to 1 Gbps firewall throughput.

**Wireless Access Solutions:** Wireless networks are a significant source of risk for most enterprises, due to the lack of robust security technologies and the use of a separate security infrastructure for wireless networks. Fortinet reduces your WLAN risk with a comprehensive, integrated security solution for your wireless and wired networks. Fortinet integrates all wired and wireless traffic into a single FortiGate security platform, giving you unmatched visibility and control of all network threats. You have the flexibility to choose between thick and thin access points (APs), all managed by the integrated Wireless Controllers in FortiGate platforms.

## Worldwide 24x7 Support

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Our FortiCare customer support organization provides global technical support for all Fortinet products, with support staff in the Americas, Europe, and Asia. We offer end-users multiple options for FortiCare contracts so that they can obtain the right level of support for their organization's needs. Attractively priced options include 24x7 support with advanced hardware replacement, 8x5 supports with enhanced Web features, Premium Support with technical account management, and Premium RMA support with enhanced service levels. Fortinet Support: 1-866-648-4638

## Global Threat Research and Updates

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Our FortiGuard Labs' global team of threat researchers continuously monitors the evolving threat landscape. The team of more than 125 FortiGuard Labs researchers provides around the clock coverage to ensure your network stays protected. It delivers rapid product updates and detailed security knowledge, providing protection from new and emerging threats.