FORTINET FIREWALL (FORTIGATE NGFW) MENTORED INSTALL

Service Overview

At Netnology, we specialize in Fortinet security enablement and implementation services. As part of this Fortinet Firewall service offer, our subject matter experts (SME) partner with your team to ensure smooth deployment of the Fortinet FortiGate Next-Generation Firewall (NGFW) solution and provide knowledge transfer to equip your staff with the necessary skills to configure and manage the Fortinet firewall environment. Mentored install services is a 10-day (up to 80 hours) engagement.

Solution Overview

Fortinet FortiGate is an industry leader in Next-Generation Firewall solutions. Powered by purpose-built security processors and FortiGuard AI-powered security services, it delivers high-performance threat protection and secure connectivity for data center, campus, branch and cloud environments. FortiGate is centrally managed through FortiManager and FortiAnalyzer, which can be deployed on-prem or in the cloud as a service (SaaS). FortiGate supports physical, virtual and public cloud form factors, and provides several key benefits to customers including the following:

- Consistent security across data center, campus, branch and cloud with a single operating system (FortiOS).
- High-performance threat protection with IPS, antivirus, web filtering and application control.
- SSL/TLS deep inspection with minimal impact on throughput.
- Secure site-to-site and remote access connectivity through IPsec VPN and ZTNA.
- Network segmentation through Virtual Domains (VDOMs), zones and identity-based policies.
- Centralized management, logging, analytics and reporting through FortiManager and FortiAnalyzer.

Service Benefits

Netnology has a team of world class engineers who specialize in Fortinet FortiGate Next-Generation Firewall solution and are passionate about customer success. Netnology will partner with you to provide:

- Step-by-step guidance from an SME on Fortinet FortiGate Next-Generation Firewall solution deployment.
- Mentored deployment of Fortinet FortiGate Next-Generation Firewall solution.
- Knowledge transfer to ensure the customer is ready to configure and manage the environment.

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Service Scope

As part of the engagement, Netnology will help with the following:

- Project Kickoff
- Fortinet Management Components (FortiManager, FortiAnalyzer)
  - Setup
  - Licensing
  - Software upgrade (if necessary)
- Deploy FortiGate appliances (up to 2)
  - Device Activation and FortiGuard registration
  - Software upgrade (if necessary)
  - Interfaces, VLANs and Zones
- Configure High Availability (FGCP Active-Passive / Active-Active) (if desired)
- Configure Virtual Domains (VDOMs) (up to 3)
- Configure Firewall Policies (up to 10)
  - Address and Service Objects
  - NAT
    - Source NAT / IP Pools
    - Virtual IPs (Destination NAT)
  - Identity-based Policies (LDAP / FSSO)
- Configure Security Profiles (up to 3)
  - Intrusion Prevention (IPS)
  - Antivirus
  - Web Filtering
  - Application Control
  - SSL/SSH Inspection
- Configure VPN (up to 1)
  - IPsec Site-to-Site VPN
  - ZTNA Remote Access
- Configure Routing (static and dynamic)
- Configure Logging, Monitoring and Reporting
- Knowledge Transfer & Handoff

Target Audience

This service is designed for Network Architects, Network and Security Engineers and Administrators configuring, deploying, and managing the Fortinet FortiGate firewall solution.

Prerequisites

The customer needs to ensure that ALL network devices are rack & stacked, cabled and powered up and internet and WAN connectivity is established prior to the kick-off. Customer also needs to acquire the necessary hardware, software and licenses (including FortiGuard subscriptions) for the deployment of the Fortinet FortiGate solution, and provide network diagrams, IP addressing and existing firewall rule requirements.

Service Deliverables

No	Deliverable	Service Details
1.	Project Kickoff	• Project Overview • Solution Overview
2.	Fortinet Components	• Management setup (FortiManager, FortiAnalyzer) • FortiGuard licensing and registration • Joining FortiGate firewalls to FortiManager and FortiAnalyzer
3.	Deploy FortiGate and High Availability	• Interfaces, VLANs and zones • Device templates (System, DNS, NTP, SNMP, Admin) • High Availability cluster (FGCP) and failover testing
4.	Firewall Policies and NAT	• Address and service objects • Firewall policies and policy packages • Source NAT, IP pools and Virtual IPs
5.	Security Profiles	• IPS, Antivirus, Web Filtering and Application Control • SSL/SSH deep inspection
6.	VPN	• IPsec site-to-site VPN • ZTNA remote access with authentication (LDAP, RADIUS, SAML)
7.	Routing and Segmentation	• Configure Dynamic Routing with OSPF and BGP • Configuring VDOMs (if needed)
8.	Logging and Monitoring	• Log forwarding to FortiAnalyzer • Dashboards, alerts and reports
9.	Knowledge Transfer and Handoff	• Final review of the project • Project technical details and decisions • Q&A • Project Handoff