

eyeExtend for Fortinet® FortiGate NGFW

Automate context-aware dynamic network segmentation

In today's era of mobility, Internet of Things (IoT) devices proliferating on networks as unknown or unmanaged connections, and IT and operational technology (OT) convergence, the attack surface for organizations continues to grow at an alarming rate. No longer can organizations rely on guarding their perimeter and trusting that they know everyone and everything that is accessing their heterogeneous network. Proactive threat prevention requires continuous visibility of what is accessing your network as well as being able to automatically apply context-aware security policies without having to re-build networks or know the devices up front.

Challenges

- Achieving consolidated visibility of managed and unmanaged devices, including transient devices, across the heterogeneous enterprise network to measure the threat landscape
- Continuously enforcing network segmentation policies across all devices to prevent unauthorized access to sensitive resources
- Reducing IT staff's manual workload to manage and secure an ever-increasing number of connected devices, vulnerabilities and threats

Forescout eyeExtend for Fortinet FortiGate NGFW

Forescout and Fortinet® FortiGate Next-Generation Firewall (NGFW) work together to provide complete device visibility and policy-based dynamic network segmentation for secure access to critical applications and resources. The joint solution enables IT organizations to implement dynamic network segmentation across device types and network tiers—without requiring prior device knowledge or having to rebuild networks.

Forescout eyeExtend for Fortinet FortiGate NGFW leverages the comprehensive device visibility and context provided by Forescout eyeSight. Forescout eyeSight furnishes contextual device insight on everything from device type, configuration, location on network to security posture, and user information for your heterogeneous connected network. This rich granular device insight enables eyeExtend for Fortinet FortiGate NGFW to assign devices dynamically to predefined, applicable Address Groups within FortiGate NGFW based on device profiles. For example, healthy devices with compliant device configuration and security posture are assigned to a "Healthy" Address Group and noncompliant devices are assigned to a "Quarantine" Address Group within FortiGate NGFW. FortiGate NGFW uses this dynamic device assignment to Address



eyeExtend

Benefits

- <> Gain comprehensive device visibility across network-connected systems, including personal devices, guest, virtual, cloud instances, IoT and OT devices
- <> Enhance Fortinet® FortiGate NGFW defenses by facilitating context-aware dynamic network segmentation of devices the moment they connect to the network
- <> Streamline network and security operations by continuously enforcing device compliance

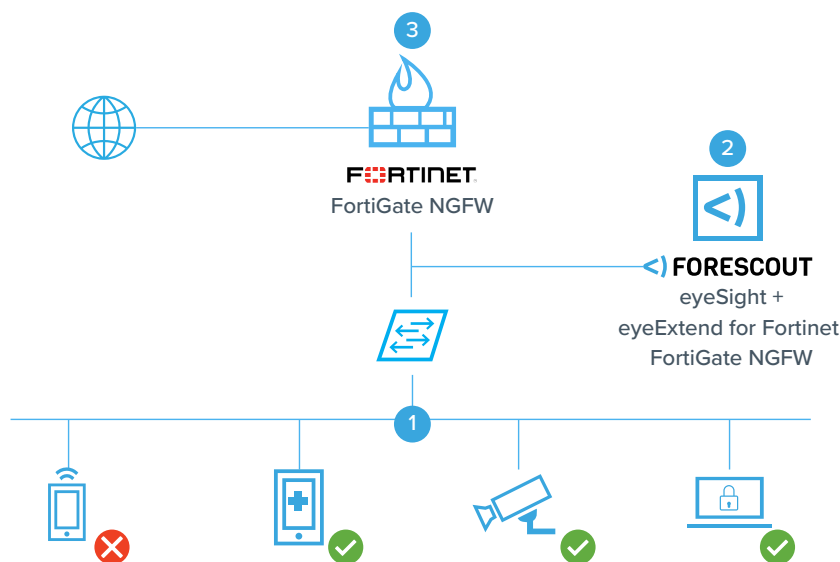
Highlights

- <> Magnify the power of Fortinet FortiGate NGFW across all IP-connected devices with Forescout's continuous device discovery, classification and assessment
- <> Dynamically enforce network segmentation policies based on rich device context across all managed, unmanaged, known, unknown and new devices as they connect to the network
- <> Continuously assess and enforce device compliance and network segmentation policies with Forescout's continuous monitoring of device configuration and security posture of all devices

Groups from eyeExtend for Fortinet FortiGate NGFW to provide access to the network based on pre-defined policies for devices and their users. For example, devices belonging to the “Quarantine” Address Group are blocked or limited only to their functional needs.

Forescout eyeSight continuously monitors and assesses configuration and security posture of all connected devices. If a device falls out of compliance—for example, a device’s antivirus program becomes out of date—eyeExtend sends an automatic notification to the network administrator and, in parallel, removes the device from its assigned Address Group and re-assigns it to a different appropriate Address Group with limited network access.

In summary, Forescout eyeExtend for Fortinet FortiGate NGFW helps you reduce your attack surface area, prevents unauthorized access to sensitive resources, and minimizes malware proliferation and data breaches by enforcing granular, context-aware security policies dynamically.



- 1 Forescout eyeSight discovers, classifies and assesses all devices as they connect to the network
- 2 Forescout eyeExtend for Fortinet FortiGate NGFW dynamically adds devices to appropriate Address Groups within FortiGate NGFW
- 3 FortiGate NGFW leverages device and security context from Forescout to enforce security policy and network access

Key Use Cases

Implement dynamic network segmentation

Forescout eyeExtend for Fortinet FortiGate NGFW facilitates dynamic network segmentation by assigning devices to their appropriate Address Groups within NGFW based on device properties, classification, configuration and security posture gathered upon device connection. Doing this automatically enables business continuity while preventing unauthorized access to sensitive resources.

Continuously assess device compliance and enforce network segmentation policies

Forescout eyeExtend continuously monitors the configuration and security posture of all connected devices. If a device falls out of compliance, eyeExtend notifies administrators and, in parallel, automatically removes the device from its assigned FortiGate Address Group and reassigns it to the appropriate limited-access Address Group within FortiGate in real time. Forescout helps you immediately contain and reduce risk to minimize disruption to operations and damage to the business.



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