

SOLUTION BRIEF

Fortinet and EfficientIP Security Solution

Network Security Automation

Executive Summary

The Fortinet and EfficientIP joint solution integrates EfficientIP SOLIDserver DDI with Fortinet FortiGate Next-Generation Firewall (NGFW) to automate IP and subnet updates in security policies. It streamlines management, enhances real-time visibility, and improves operational efficiency through consistent policy enforcement.

The Challenge

The rapid proliferation of connected devices, widespread adoption of cloud-based applications, and increasingly fragmented networks have made IT infrastructures more complex than ever, increasing the attack surface and security risks. However, as organizations become more reliant on digital agility, network and security teams face mounting pressure to ensure the shortest time-to-service while maintaining resilience against evolving threats. Seamless collaboration between network and security teams has never been more critical. However, traditional operational silos are creating significant challenges, slowing down response times and increasing vulnerabilities. Maintaining consistent NGFW security policies has become particularly difficult due to frequent subnet changes and IP address shifts across dynamic environments, leading to limited visibility, misconfigurations, and security holes.

Joint Solution

The technology partnership between Fortinet and EfficientIP bridges the gap between network and security, fostering a NetSecOps approach that enhances visibility, automation, and efficiency to meet the performance and protection needs of modern enterprises.

Solution Components

EfficientIP SOLIDserver DDI is a comprehensive solution that combines Domain Name System (DNS), Dynamic Host Configuration Protocol (DHCP), and IP Address Management (IPAM) into a unified platform. It is designed to streamline and automate the management of IP address allocation, network configurations, and DNS services within complex, dynamic network environments.

SOLIDserver DDI discovery tools help organizations gain comprehensive visibility into multi-cloud and on-prem networks. The solution detects inconsistencies and simplifies reconciliation management to ensure the data quality of its built-in network source of truth. Open APIs, plugins, and actionable metadata provide flexible integration with the organization's IT environment and specific processes. The EfficientIP SOLIDserver DDI suite offers a comprehensive and powerful network automation hub that connects management systems to streamline and automate end-to-end provisioning and deprovisioning processes.

Solution Components

- Fortinet FortiGate Next-Generation Firewall
- EfficientIP SOLIDserver DDI

Solution Benefits

- **Increase operational efficiency** by automating IP and subnet updates in dynamic security policies
- **Enhance security posture** through consistent enforcement and updates of security policies
- **Strengthen compliance** with error-free, enterprisewide, standardized security policy management
- **Reduce operational costs** while maximizing return on investment through automation and streamlined processes
- **Simplify microsegmentation** to support effective zero-trust implementation, ensuring least-privilege access and minimizing attack surfaces
- **Unparalleled protection** using the Fortinet FortiGate NGFW and the Fortinet Security Fabric



Fortinet FortiGate NGFWs protect data, assets, and users across today's hybrid environments. Built on patented Fortinet security processors, FortiGate NGFWs accelerate security and networking performance to effectively secure the growing volume of data-rich traffic and cloud-based applications. FortiGate NGFWs, backed by FortiGuard AI-Powered Security Services, help organizations prevent cyberattacks and mitigate security risks with consistent, real-time protection and responses against even the newest and most sophisticated threats.

Solution Integration

As part of this collaboration, the EfficientIP SOLIDserver DDI solution, combining DNS, DHCP, and IPAM, integrates seamlessly with FortiGate NGFWs to automatically share IP addressing data, ensuring the deployment of consistent and adaptive security policies.

This integration is powered by SOLIDserver APIs, enabling a flexible and high-performance automated management process. Manual IP addresses, DHCP leases, and networks created, deleted, or modified within SOLIDserver DDI are dynamically synchronized with the associated Address Group on the FortiGate NGFW, enabling organizations to efficiently enforce contextual security policies with precision.

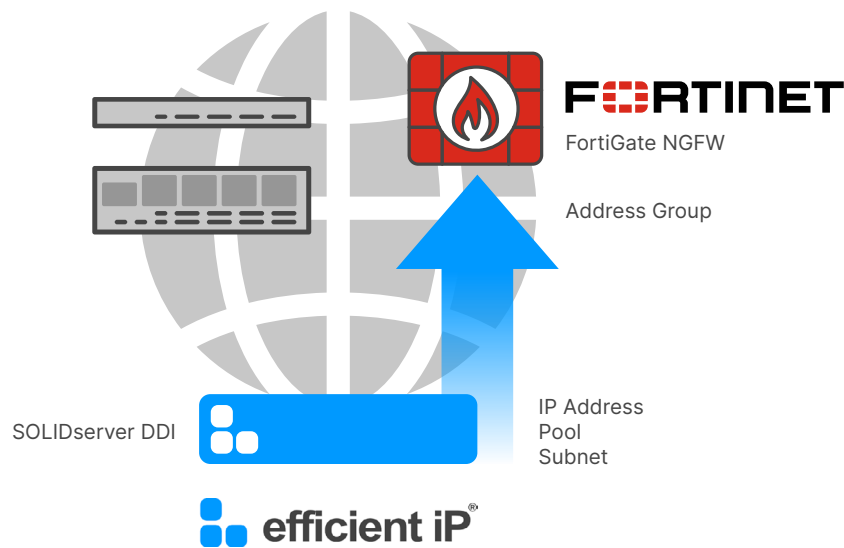


Figure 1: EfficientIP SOLIDserver integration with Fortinet FortiGate NGFW

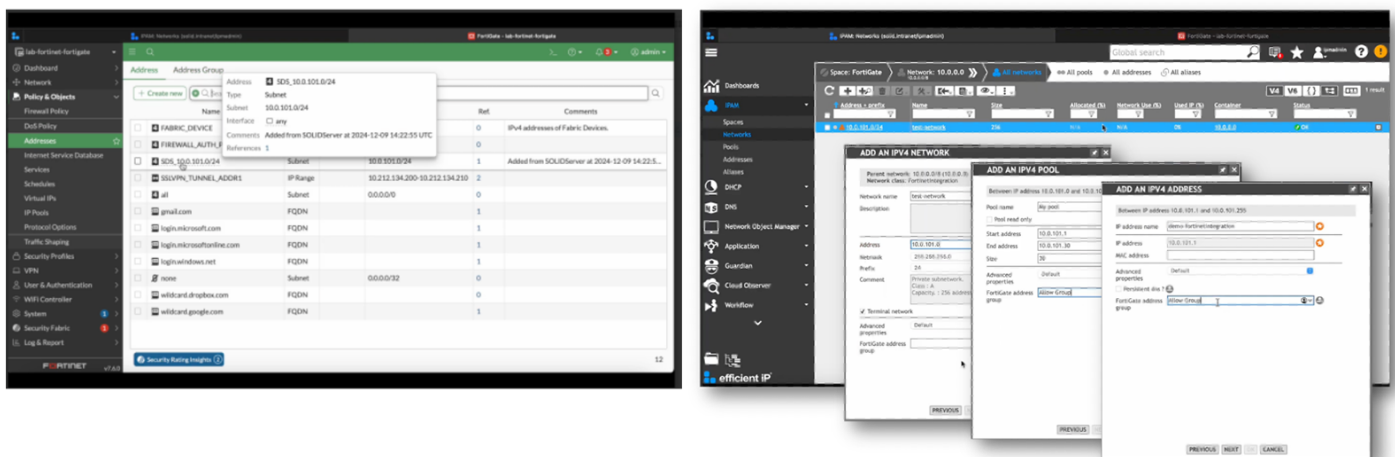


Figure 2: SOLIDserver updates Address Groups on FortiGate NGFW

Joint Use Case

Automatic Address Groups management

Organizations seeking comprehensive visibility and simplified management of Address Groups, along with IP addresses, pools, and subnets, can benefit from integrating FortiGate NGFW with EfficientIP DDI. This combination provides real-time, error-free IP data synchronization, offering clear insights into address groups across FortiGate NGFW and enabling automated security policy enforcement. It simplifies network and security management across complex, diverse environments, assisting network and security operations teams with provisioning, analyzing, and auditing network environments, ultimately enhancing security, compliance, operational efficiency, and performance.

About EfficientIP

EfficientIP is a network automation and security company, specializing in DNS-DHCP-IPAM solutions (DDI), with the goal of helping organizations worldwide drive business efficiency through agile, secure and reliable infrastructure foundations. Integrated solutions enable IP communication and simplify network management with end-to-end visibility and smart automation, while patented technology secures DNS services to safeguard data and ensure application access. Companies in all sectors rely on EfficientIP offerings to face the challenges of key IT initiatives such as cloud applications and mobility. For further information, please visit: www.efficientip.com



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