Fortinet and Refactr DevSecOps Automation Solution

Clone and Automate FortiGate and FortiAnalyzer with Refactr Pipelines

Executive Summary

Fortinet and Refactr have partnered to make integrating and automating Fortinet solutions with your existing DevSecOps processes easier than ever before. By integrating FortiGate and FortiAnalyzer with Refactr's drag-and-drop automation platform, enterprises can seamlessly build infrastructure using Refactr's all-in-one, collaborative, secure, and automated delivery process.

Challenge

Currently, organizations lag on modernizing through automation because their teams are not collaborating at scale, leading to significant configuration and tool drift. While DevOps teams are further along the automation process, security teams are left to wrangle with their manual processes and repetitive work, exacerbating their never-ending race to keep pace with external threats and insider risk.

But security teams can benefit from automation, too. Refactr and Fortinet have established a partnership to bring automation to the Fortinet FortiGate and FortiAnalyzer solutions. This partnership ensures that security processes are continuously updated and deployed, and organizations are proactively safeguarding their digital attack surfaces.

Joint Solution Description

Refactr's platform enables FortiGate next-generation firewall (NGFW) and FortiAnalyzer to be easily deployed and configured using existing Fortinet automation content published in GitHub, Terraform, Ansible, and other tools that are combined into automation pipelines tailored to Fortinet solutions. These pipelines are quickly integrated with other cybersecurity products, whether in prepackaged hybrid cloud deployments or as automated actions executed in response to security events.

The integration of Refactr with FortiGate and FortiAnalyzer, enabled through the Fabric-Ready Program in the Fortinet Open Fabric Ecosystem, delivers customizable or configurable deployments in a few clicks or through automated triggers, saving hundreds of hours of manual work while preventing configuration drift. It also bakes security early into the delivery process, enabling customers to proactively fortify against external threats and insider risk.

FortiGate, FortiAnalyzer Refactr DevSecOps Automation Platform

Joint Solution Benefits

- Leverage existing Fortinet automation content in open-source tools like Terraform and Ansible

- Deploy FortiGate and FortiAnalyzer on a single, extensible architecture

- Customize or configure deployments in a few clicks or through automation triggers, saving hundreds of hours of manual work

- Fortify against security risks by baking security early into the development process

Joint Solution Components

Refactr DevSecOps automation platform: The Refactr platform helps organizations jumpstart their race to IT-as-Code by introducing the latest automation techniques in DevSecOps. The platform is an all-in-one visual solution for designing and executing secure automation pipelines that include infrastructure delivery, application configuration, and security actions.

Fortinet FortiGate: FortiGate NGFWs utilize purpose-built security processors and threat-intelligence security services from artificial intelligence (AI)-powered FortiGuard Labs to deliver top-rated protection and high-performance inspection of clear-texted and encrypted traffic. NGFWs reduce cost and complexity with full visibility into applications, users, and networks and provide best-of-breed security.

Fortinet FortiAnalyzer: FortiAnalyzer offers advanced logging and reporting capabilities, centralized security analytics across the Fortinet Security Fabric, and security automation via Fabric Connectors and application programming interfaces (APIs). These use cases enable security teams to increase efficiency, reduce risk, and improve the total cost of ownership (TCO).

Use Cases

FortiGate, FortiAnalyzer, and Refactr: Customers can use Refactr to deploy a FortiGate EC2 instance into AWS using Fortinet's Terraform configuration. Customers can also launch FortiAnalyzer from within Refactr into AWS via Cloud Formation, all using pre-made pipelines from Refactr's catalog. Pre-made pipelines by Refactr allow individuals of all coding levels to clone and configure with ease, therefore facilitating the provisioning and configuring of Fortinet content, and accelerating deployment to the cloud. Now, engineering and security teams can contribute to the automation stack with Refactr's all-in-one, radically simple DevSecOps automation platform.
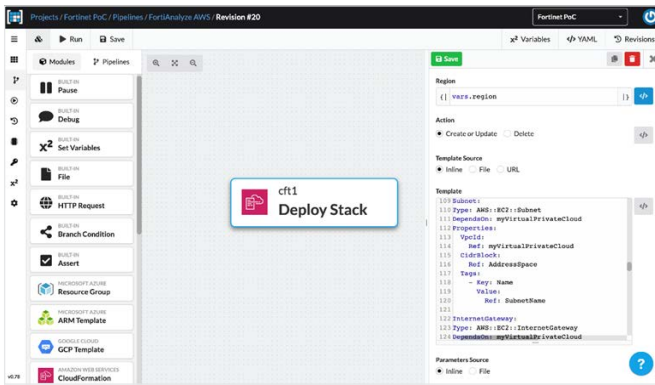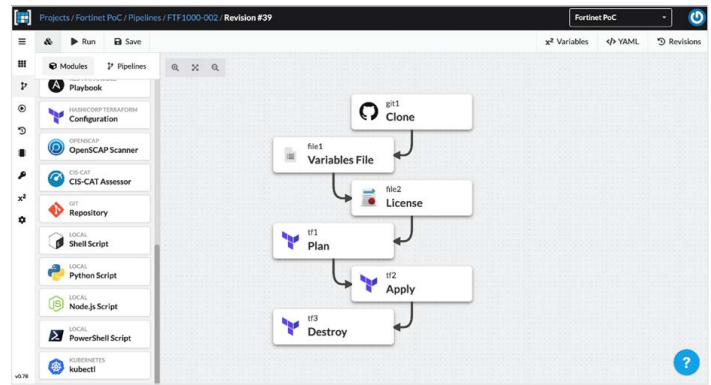

Figure 1: FortiGate on Refactr.

Figure 2: FortiAnalyzer on Refactr.

About Refactr

Refactr is a Seattle-based DevSecOps startup founded in 2017 by military veteran and industry experts in cloud and cybersecurity. Its mission is to accelerate adoption of DevSecOps methodologies among security and DevOps teams. Refactr provides a simple and collaborative automation platform that enables tech teams to visually design and run modern, software-defined IT-as-Code solutions including infrastructure, configuration, integrations and security. Technology changes, people adapt. Refactr innovates to make the world more agile through the next shift of digital transformation into IT-as-Code. Learn more at https://refactr.it.

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