

Sectigo Releases Industry-First PKI DevOps Integrations with a Broad Range of Configuration Management and Orchestration Platforms

Submitted by: Sectigo

Wednesday, 11 September 2019

IT and Security Teams Gain Increased Security and Compliance from Additional Automated Certificate Issuance by Docker, Kubernetes, Ansible, Terraform, and HashiCorp Vault

ROSELAND, N.J. — September 11, 2019 — Sectigo (<https://sectigo.com/>), the world's largest commercial Certificate Authority (CA) and a provider of purpose-built and automated PKI management solutions, today released integrations with five of the most popular DevOps configuration management and container orchestration platforms. The additions of Docker, Kubernetes, Ansible, Terraform, and soon HashiCorp Vault, deliver the industry's most comprehensive PKI solution for DevOps. This unique combination of solutions will immediately help IT teams ensure their DevOps environments follow accepted security practices, meet compliance and auditability requirements, and provide crypto agility.

"All sizeable enterprises either use or are implementing DevOps today," said Lindsay Kent, VP of Product Management, Sectigo. "As they do so, these enterprises are also finding that they suddenly need to become PKI experts and must roll out their own PKI to ensure identity for containers and related services."

This exercise creates jeopardy for enterprises as IT generalists must suddenly select, configure, and implement public key schemes without the benefit of background in this specialized field. Considerations like key size, certificate term length, and code deployment process all affect the security and compliance of containerized environments. As operations spin up DevOps environments, they often find themselves forced to make decisions about these and other aspects of PKI even though they may not understand the full consequences of these choices.

"These integrations between Sectigo Certificate Manager and the most popular DevOps orchestration tools give operations teams full visibility and control over the certificate properties they choose. An expert partner, like Sectigo, can ensure enterprises follow accepted security practices and can keep implementations current with changes in cryptography needed to stay safe in a changing computing environment," added Kent.

The variety of certificates and specific use cases in any given DevOps environment is quite broad, as these are complex environments using many different technologies in conjunction. Supporting integrations with a variety of orchestration tools helps cover the enterprise's complete operational footprint. Sectigo Certificate Manager integrates with supported tools using ACME (Automated Certificate Management Environment) (<https://sectigo.com/resources/sectigos-acme-automation>) or Sectigo's RESTful APIs.

"Certificate-based authentication is a foundational element in many DevOps use cases, and one that often grows in complexity when an enterprise considers details such as public versus private servers, client authentication, and more," said Fernando Montenegro, Principal Analyst, 451 Research. "We see a notable benefit for organizations to be able to use certificate management platforms that can address this complexity while integrating with popular configuration management and orchestration tools."

New Sectigo Certificate Manager Integrations

IT teams will notably benefit from a centralized management platform that can be used to enforce the security policies across the organization. The Sectigo Certificate Manager platform is used by hundreds of enterprises across the globe to issue, renew, and manage certificates for their mission-critical applications. That means DevOps teams benefit from the reliability and speed of issuance that comes with a proven platform. In addition, if enterprises prefer, they can continue to use their DevOps tool or another PKI implementation for issuance and still use Sectigo Certificate Manager to monitor and report on their certificate deployments.

Sectigo's latest integrations to its Certificate Management (<https://sectigo.com/enterprise/sectigo-certificate-manager>) platform include:

Docker (<https://www.docker.com/>) — Allows DevOps teams to more easily create, deploy and run applications, delivering even greater value when paired with solutions like Kubernetes. By integrating with Docker, Sectigo can issue short lived public or private certificates to the applications running inside the Docker container.

Kubernetes (<https://kubernetes.io/>) — Automates scaling, managing, updating, and removing containers, giving IT teams the flexibility needed to deliver applications consistently, no matter the size of the enterprise. Sectigo's Kubernetes integration enables seamless certificate issuance and management using the Kubernetes native certificate controller.

Ansible (<https://www.ansible.com/>) — Ansible-based automation aids lifecycle management for large certificate volumes in heterogeneous environments. By leveraging one of the leading tools in configuration management and server provisioning, Sectigo's Ansible module eliminates complex security decision making and provides a transparent, platform-agnostic user experience for provisioning and managing TLS and client certificates.

Terraform (<https://www.terraform.io/>) — This open-source tool creates, changes, and improves infrastructure. Sectigo's Terraform integration enables the enrollment, collection, and revocation of certificates. Paired with HashiCorp Vault, Terraform provides secure storage for certificates and keys.

HashiCorp Vault (<https://www.vaultproject.io/>) — HashiCorp Vault centrally manages and enforces access to secrets and systems based on trusted application sources and user identities. Sectigo Certificate Manager can assign certificates to applications protected by Vault and store keys and certificates used in DevOps environments.

To learn more about Sectigo's PKI for DevOps solutions visit:

<https://sectigo.com/enterprise/sectigo-certificate-manager/devops>

(<https://sectigo.com/enterprise/sectigo-certificate-manager/devops>).

About Sectigo

Sectigo provides award-winning (<https://sectigo.com/awards>) purpose-built and automated PKI management solutions to secure websites, connected devices, applications, and digital identities. As the largest commercial Certificate Authority, trusted by enterprises globally for more than 20 years, and more than 100 million SSL certificates issued in over 200 countries, Sectigo has the proven performance and

experience to meet the growing needs of securing today's digital landscape. For more information, visit [www.sectigo.com](https://sectigo.com/). (<https://sectigo.com/>)

###

Ines Mitsou
Positive
+44 (0)20 3637 0640
imitsou@positivemarketing.com

Elliot Harrison
Positive
+44 (0)20 3637 0649
eharrison@positivemarketing.com