Security for DevOps, Without the Wait

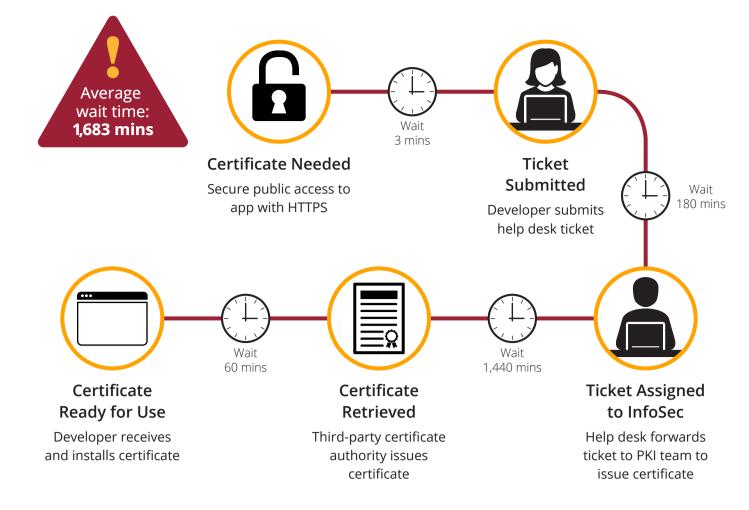
Securing public access to apps requires SSL/TLS certificates from trusted authorities like GlobalSign or DigiCert.

But can you handle the wait?

VENAFI°



// The Waiting Game to Get a Public Certificate



// No Process. No Bueno.



- Rogue certificates from unvetted authorities increase risk
- Shortcuts create vulnerabilities
 from poorly configured cortificates



- Expired certificates prevent access and cause service outages
- Unmanaged certificates can be
 forgetten and course downtime
- from poorly configured certificates
- Software releases delayed when lengthy processes bog you down
- forgotten and cause downtime
- When developers leave, knowledge of certificates they created often goes with them

// Know Your Risks When InfoSec and DevOps Aren't Aligned, Risks Increase

DevOps teams must deliver fast. If a security process slows them down, they may take shortcuts or bypass security altogether.

Risk magnifies when DevOps teams skip issuing certificates. Machine-to-machine connections and communications can no longer be authenticated as trusted systems or encrypted.



// Connect DevOps Tools to Public CAs

With out-of-the-box integrations, developers can issue trusted certificates within CI/CD tools and workflows. This makes it easy to request certificates from leading CAs such as GlobalSign and DigiCert.

Project for ECommerce team members to obtain certificates			
8T WG CB 4 more users			
ANOTHER ZOPNE ECOMMERCE-PRODUCTION-EXTERNAL ECOMMERCE-PRODUCTION-INTERNAL ECOMMERCE-A	NDBOX		
New or edit this zone View issued certificates View certificate requests		Issuing Template	~
ache	>	Issuing template name Test Issuing Template - Eli	
A TASIBLE	>	Issuing Rules	
🍻 kubernetes	>	Common Name Not Allowed	
🗖 openstack.	>	Organization Not Allowed	
Terraform	>	Organization Unit Not Allowed	
Venafi Secrets Engine	>	City/Locality Not Allowed	

// Faster Guardrails from InfoSec

Streamlined processes from InfoSec actually help you go faster. You'll get SSL/TLS certificates in under 5 seconds with no-fuss access from the tools you already use. And InfoSec can still authorize certificate authorities and preset certificate attributes.

How's that for making everyone happy?



Use CAs your organization trusts



Secure Algorithms

Use InfoSec-approved encryption algorithms



Open Source Connect your toolchain to certificate issuance

// No Wait. No Bog. Just DevOps.

A new product from Venafi is being introduced in December 2019 to secure DevOps applications. Developers get easy access to certificates. And InfoSec can still set policy and monitor issuance.

Sign up now for an invitation to try it.

How Does It Work? Developers Use a 3-Step Process

+ Select Your Tool **ECommerce** Apps Created on: 8/6/2019 Project for ECommerce team members to obtain certificates WG CB 4 more users ST ECOMMERCE-PRODUCTION-INTERNAL TEST-INTERNAL ECOMMERCE-PRODUCTION-EXTERNAL ECOMMERCE-SANDBOX View certificate requests View issued certificates Vlew or edit this zone 囫 > ACME ANSIBLE > Terraform > kubernetes Create a Kubernetes secret that will contain your API key. This secret will be referenced by the Issuer that you will create. Copy and paste the following command into your CLI and adjust the namespace parameter as needed. Next, create a Venafi Cloud issuer. Create a YAML file called venafi-cloud-issuer.yaml and copy the below text into this file, adjusting the namespace parameter as necessary. copy code kubectl create secret generic \ cloud-secret \ --namespace='NAMESPACE OF YOUR ISSUER RESOURCE' \ --from-literal=apikey=' copy code apiVersion: cert-manager.io/v1alpha2 kind: Issuer metadata: name: cloud-venafi-issuer namespace: <NAMESPACE YOU WANT TO ISSUE CERTIFICATES IN> spec: venafi: zone: "8d328290-c392-11e9-a29d-eb9670bea383" # Set this to the Venafi policy zone you want to use cloud: apiTokenSecretRef: name: cloud-secret key: apikey > Venafi Secrets Engine

+ Configure Integration

kubectl create secret generic \ cloud-secret \ -namespace='NAMESPACE OF YOUR ISSUER RESOURCE' \ --fromliteral=apikey='

+ Get Certificates



// Request Your Invite for Early Access

Get an invite to receive full access and free certificates from our built-in CA.

Click here or visit https://www.venafi.com/secure-DevOps-without-the-wait

Featured Integrations



See https://github.com/venafi for other out-of-the-box integrations & tools.

About Venafi

Venafi is the cybersecurity market leader in machine identity management, securing the cryptographic keys and digital certificates on which every business and government depends to deliver safe machine-to-machine communication. Organizations use Venafi key and certificate security to protect communications, commerce, critical systems and data, and mobile and user access.

venafi.com