

# The Venafi Control Plane for Machine Identities

The security foundation for your digitally transforming organization

## Machine identity complexity is causing massive problems

The widescale adoption and deployment of Kubernetes has decimated the perimeter, and thousands of microservices are now spread across multiple heterogeneous platforms. This intense shift has made machine identity the new foundation of security.

Moreover, migrating from the datacenter to modern, cloud-native environments has resulted in staggering levels of complexity in managing machine identities. As a result, businesses are experiencing a massive duplication of effort, poor orchestration, limited visibility, significant inconsistency and fragmented control.

Left unchecked, this complexity can also cause your development speed, security and reliability to spiral downward.

## The emergence of a control plane for machine identities

For machine identity management to be successful, you need a standardized approach that avoids overhead, diminished speed of development, inconsistency and wasteful duplication of effort. It should also eliminate the need for multiple, impossible-to-maintain point solutions that hinder speed, reliability and security.

The Venafi Control Plane for Machine Identities orchestrates the complete lifecycle of digital keys and certificates across the enterprise. And the Venafi Control Plane gives you control over all your environments, from the datacenter to the cloud, hybrid environments or even the edge. It's connected to the industry's most extensive and vibrant technology ecosystem. And as such, it provides total observability, consistency, reliability and freedom of choice—while simultaneously reducing complexity.

Here are the Venafi Control Plane modules that help you optimize your machine identity management across environments:

- **TLS Protect:** Eliminate certificate-related outages with total control of your TLS machine identities
- **TLS Protect for Kubernetes:** Securely manage TLS, mTLS and SPIFFE machine identity activity in Kubernetes
- **CodeSign Protect:** Avoid shift left attacks with secure code signing operations
- **SSH Protect:** Prevent misuse and compromise with fully managed SSH keys

The Venafi Control Plane helps you accelerate digital transformation, eliminate security incidents and reduce revenue stream disruptions caused by failures in managing machine identities. Delivered as a service, in the data center, on the edge or in a hybrid mix of environments, the Venafi Control Plane is unmatched in reducing complexity. After adopting it, you'll see increased security as well as speed of development for the machine identities that make up your modern security foundation.

Venafi is the cybersecurity market leader in identity management for machines. From the ground to the cloud, Venafi solutions automate the lifecycle of identities for all types of machines—from physical devices to software applications, APIs and containers. With more than 30 patents, Venafi delivers innovative solutions for the most demanding, security-conscious organizations in the world. **To learn more, visit [venafi.com](https://venafi.com)**