



## Trusted and secure end-to-end Code signing

### Red Hat Software Partner



#### SignServer and KeyCloak

- Trusted and Secure end-to-end code signing operations
- Smooth integration with RedHat KeyCloak for authentication and authorization of developers

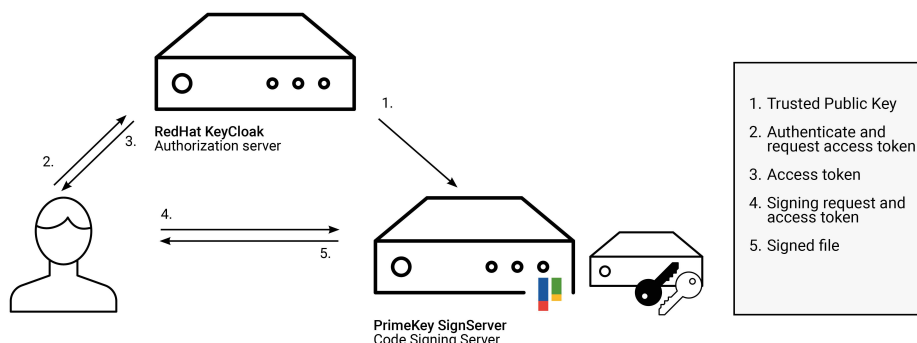
"I have no fear that our infrastructure will not scale with the growing needs – PrimeKey and their products will be able to handle it."

**Christopher Schmid**

Service Governance,  
Digital Signature Service at Siemens

### Protect your customers business and your brand with trusted and secure Code signing

In your release processes, you need to ensure that the right code is signed by the right developer at the right time. With PrimeKey SignServer Enterprise and Redhat Keycloak, your developers can securely digitally sign code, from anywhere. By leveraging SignServer's code signing capabilities and KeyCloak's authorization and authentication mechanisms, organizations can rest assured that their code signing operations are secured end-to-end, with auditable workflows and centralized protection of private signing keys. Thus preventing internal misuse or external threats throughout the supply chain. SignServer supports multiple codes signing formats and securely hosts multiple projects within one installation. Signing keys are stored in Hardware Security Modules (HSM) for security and compliance.



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### Executive summary

SignServer Enterprise for code signing is a server-side digital signature solution that gives maximum control and security, allowing your developers to focus on writing code and not securing keys. SignServer has multiple deployment options and you may combine or choose between a turn-key hardware appliance with a built-in FIPS 140-2 level 3 certified HSM, a software Appliance allowing you to leverage your existing virtualization environment and HSM infrastructure, and AWS or Azure public cloud solutions.

### Product profile

SignServer Enterprise for code signing centrally manages your code signing keys, integrates with your development environment and your authentication and authorization solution. The keys for signing executable files such as applications, libraries and drivers are kept securely in a Hardware Security Module (HSM), mitigating the risk of any key being stolen or used illegitimately.



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"Developers and architects looking to build new applications in, and for the cloud, or migrate existing applications to a cloud-based infrastructure, partner with Red Hat to develop and deliver more supportable solutions sooner. Red Hat certification assures a supportable platform for all types of customer deployment models. Red Hat is thrilled to work with software partners like, **PrimeKey**, resulting in the world's largest open, and commercially supportable application ecosystem."

**Mike Werner**

Senior Director, Global Technology Partner  
Ecosystems, Red Hat



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## Product benefits

Server-side code signing with SignServer Enterprise enables

- ▣ Cost-efficient code signing by centralizing the usage of HSMs in combination with the ability to securely host multiple code signing use cases and time-stamping within one installation.
- ▣ Integration with development environments and authentication and authorization systems (KeyCloak) without any changes to the developer's workflows.
- ▣ End-to-end monitoring and auditing of code signing activities for visibility, compliance and trust.

## Use cases

- ▣ Secure your IoT devices from the manufacturing, in deployment and throughout the operation and discontinuation with trusted firmware and software updates.
- ▣ Enable smart and secure supply chains, and protect your customers and your business from software theft or plagiarism
- ▣ Enable new business models with on-demand updates of features or performance capabilities via secured license files.

## Learn more

Company: PrimeKey

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## About Your Company

PrimeKey is one of the world's leading companies for PKI and digital signing solutions. With our EJBCA Enterprise, SignServer Enterprise and the PrimeKey SEE products, we deliver the capability to implement an enterprise grade PKI system ready to support solutions such as IoT, e-ID, e-Passports, authentication, digital signatures, code signing, digital identities, and validation; all solutions where digital certificates would be a main enabler. Choose to deploy your solution as flexible software Appliance, in a robust Hardware Appliance, in the Cloud, or in a hybrid deployment adapted to your business needs. Our products are Common Criteria and FIPS certified, we have numerous Webtrust/ETSI and eIDAS audited installations.

## About Red Hat

Red Hat is the world's leading provider of enterprise open source software solutions, using a community-powered approach to deliver reliable and high-performing Linux, hybrid cloud, container, and Kubernetes technologies. Red Hat helps customers integrate new and existing IT applications, develop cloud-native applications, standardize on our industry-leading operating system, and automate, secure, and manage complex environments. Award-winning support, training, and consulting services make Red Hat a trusted adviser to the Fortune 500. As a strategic partner to cloud providers, system integrators, application vendors, customers, and open source communities, Red Hat can help organizations prepare for the digital future.

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