

Protect and manage secrets in containerized environments



Red Hat and CyberArk help you improve the security of your container environments and automation scripts.

- ▶ **Streamline security.**
Centrally manage and secure secrets and privileged access credentials across your infrastructure.
- ▶ **Automate operations.**
Allow developers and automation engineers to secure, manage, and rotate the secrets and credentials they use based on policies.
- ▶ **Improve consistency.**
Consistently protect secrets and credentials used by applications, scripts, and people accessing your management consoles.

Safeguard access to applications, tools, and data in modern IT environments

Today's digital enterprises rely on applications to run their businesses. As a result, many organizations are adopting new approaches and technologies—like DevSecOps, containers, and IT automation—to speed application life cycles while improving security and compliance.

A critical part of these initiatives is [secrets management](#). Every application, script, and automation tool, relies on some form of privileged credential or secret to access other tools, applications, and data. Secrets management provides assurance that resources across tool stacks, platforms, and cloud environments can only be accessed by authenticated and authorized entities.

Together, Red Hat and CyberArk help you improve the security of your container environments and automation scripts by centralizing secrets management across your organization.

Centralize secrets management with integrated solutions

CyberArk DevOps security solutions integrate with Red Hat® platforms to improve security and mitigate business risks in automated and containerized environments. [CyberArk DevSecOps secrets management products](#) work with [Red Hat OpenShift®](#) and [Red Hat Ansible® Automation Platform](#) to provide unified, enterprise-wide privileged access management.

The joint solution lets you implement a single, centralized point of control for secrets and credentials used by people, applications, scripts, and other non-human identities throughout your organization. Protect, rotate, monitor, audit, and manage secrets according to best practices using a unified interface. Define and enforce enterprise-wide privileged access security policies to ensure consistent protection and compliance. Streamline security operations and ease auditing with consolidated control and visibility. Deploy elements of the solution independently to customize protection across your organization.

CyberArk products work with Red Hat OpenShift to support massive scalability across hybrid cloud, multicloud, containerized, and DevOps environments. Native integration between CyberArk products and Red Hat OpenShift provides strong runtime authentication and role-based access controls (RBAC) to ensure that only authorized pods and containers receive secrets. Certified integration with Red Hat Ansible Automation Platform allows Ansible playbooks to access managed secrets as needed, rather than including unsecured secrets in the playbooks themselves.

With Red Hat and CyberArk, you can unify security management, reduce security vulnerabilities, minimize attack surfaces, and streamline operations. The solution brings together development, operations, and security teams by giving each the capabilities they need to work towards the common goal of developing and deploying applications with high security.

Learn more about DevSecOps

Read the [Modernize and secure your application life cycles with DevSecOps e-book](#) to learn more about implementing DevSecOps with Red Hat and partners.

Simplify security for development teams

Red Hat and CyberArk solutions reduce the burden of securing secrets for development teams, allowing them to create applications quickly. Developers can access secrets within their code via application programming interfaces (APIs), environment variables, Kubernetes Secrets, and CyberArk Secretless Broker. Because secrets are managed from a centralized tool, they can focus on creating innovative applications, rather than worrying about how to secure the secrets they use. As a result, developers can comply with security policies and needs without impacting their flexibility and speed.

Scale security for operations and DevOps teams

Red Hat and CyberArk solutions standardize and streamline secrets management for operations and DevOps teams. Operations staff can consistently administer credentials and manage policies for large deployments and organizations using a single, consolidated tool. Centralized management allows them to eliminate redundant credentials and tools for more consistent management and efficient reuse. Operations staff can also automate credential rotation and management tasks according to predefined policies to increase speed, consistency, and scale.

Expand collaboration for security teams

Red Hat and CyberArk solutions help security teams unify operations and collaborate with other teams across your organization. Security teams can deliver secrets management as a service to other teams while maintaining control and ensuring protection. They can also reduce risk and improve compliance by centrally managing, rotating, monitoring, and auditing application credential access across DevOps and automation environments. Security teams can also apply enterprise-wide policies to simplify auditing and compliance tasks.




Next steps

- ▶ [Learn more](#) about secrets management with CyberArk and Red Hat OpenShift.
- ▶ [Find Red Hat certified CyberArk solutions.](#)
- ▶ [Discover](#) certified CyberArk integrations.



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 develop cloud-native applications, integrate existing and new IT applications, and automate and manage complex environments. [A trusted adviser to the Fortune 500](#), Red Hat provides [award-winning](#) support, training, and consulting services that bring the benefits of open innovation to any industry. Red Hat is a connective hub in a global network of enterprises, partners, and communities, helping organizations grow, transform, and prepare for the digital future.

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