Every organization is responsible for creating and enforcing a security posture that conforms to corporate and government policies and regulations. With Red Hat Advanced Cluster Management for Kubernetes, you can take a proactive approach to managing these security policies across clusters and applications. Here are three ways Red Hat Advanced Cluster Management for Kubernetes can help.

**1. Track configuration drift and automate remediation across Kubernetes clusters**

The ability to manage security configuration and state is now a requirement, not an option. It is even more important in a highly agile environment where things change very quickly. With Red Hat Advanced Cluster Management, you can:

- **Governance and risk posture overview**
  - Track configuration drift and automate remediation across Kubernetes clusters automatically.
  - Automatically monitor and make sure security and configuration controls conform to industry compliance and corporate standards using a policy-based governance and desired-state management engine.
  - Prevent unintentional or malicious configuration drift that might expose threat vectors.
  - Report on or remediate policies on Kubernetes cluster configuration, identity access management (IAM), and certificate management across clusters.
  - Streamline hardening with out-of-the-box policies for faster time to value.
  - Create custom policy controllers to augment default controllers (Kubernetes configuration, certificate management, and IAM).

Technologies like Open Policy Agent (OPA) and Open Security Content Automation Protocol (OpenSCAP) are gaining momentum. Organizations using these technologies need the ability to support and extend them.

With Red Hat Advanced Cluster Management, you can:

- **Easily create and enforce policies**
  - Support open source compliance technologies.
  - Enforce a desired state through remediation activities.
  - OPA is integrated to enforce OPA policies at runtime and receive policy violation information.
  - Unify policy enforcement across the stack and use OPA to enforce policies in microservices and Kubernetes.
  - Automate scanning and reporting for vulnerabilities and misconfigurations. Integration with the Compliance Operator, which is often deployed to Red Hat OpenShift® clusters, shows scanning and reporting information in a consolidated view.

**2. View and improve organizational compliance posture**

As Kubernetes cluster environments grow, it becomes more difficult to view and maintain a compliance posture and monitor governance across the environment. With Red Hat Advanced Cluster Management, you can:

- **Compliance policies and violation status**
  - View a consolidated Kubernetes environment compliance posture through a governance and risk dashboard.
  - Collect cluster compliance details and report on clusters based on defined and enabled policies.
  - Use policies to automatically configure and maintain a consistent security controls across your environment, whether on-premises, in the cloud, or in a hybrid setup.
  - Identify and alert on security and compliance violations, including Common Vulnerabilities and Exposures (CVEs), configuration drift, and more.

**3. Support open source compliance technologies**

With Red Hat Advanced Cluster Management, you can:

- **Develop and enforce policies**
  - Support open source compliance technologies like Open Policy Agent (OPA) and Open Security Content Automation Protocol (OpenSCAP), among many others.
  - Enforce a desired state through remediation activities.
  - OPA is integrated to enforce OPA policies at runtime and receive policy violation information.
  - Unify policy enforcement across the stack and use OPA to enforce policies in microservices and Kubernetes.
  - Automate scanning and reporting for vulnerabilities and misconfigurations. Integration with the Compliance Operator, which is often deployed to Red Hat OpenShift® clusters, shows scanning and reporting information in a consolidated view.

To learn more about Red Hat Advanced Cluster Management for Kubernetes, visit our YouTube channel.