



# Alcide Advisor

## Continuous K8s Security from Cluster Hygiene to Drift Prevention

Snapshot of Cluster Risks & Hygiene

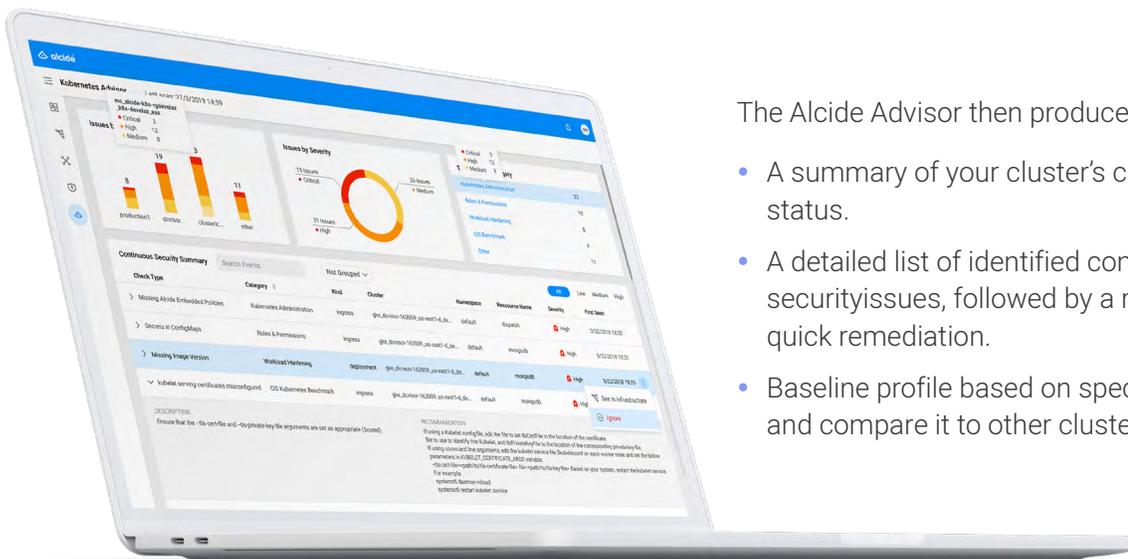
Hygiene Drifts Detection

Drift Prevention

Kubernetes has become the leading open-source tool for automating deployment, scaling and management of containerized applications. Kubernetes provides the freedom to rapidly ship applications and minimizes deployment and service update cycles from weeks to days and even hours, making the time from committing a change to rolling it out to production shorter than traditional cycles.

Traditional application-level security aims to find issues before they expand and involves practices such as code reviews, scans and penetration tests. However, **the velocity of application deployment requires a new approach that involves integrating tools as early as possible in the deployment pipeline and inspect the code and configuration against Kubernetes security best-practices.**

Alcide Kubernetes Advisor is Kubernetes multi-cluster vulnerability scanner that covers rich Kubernetes and Istio security best practices and compliance checks such as Kubernetes vulnerability scanning, hunting misplaced secrets, or excessive secret access, workload hardening from Pod Security to network policies, Istio security configuration and best practices, Ingress controllers for security best practices, Kubernetes API server access privileges and Kubernetes operators security best practices.

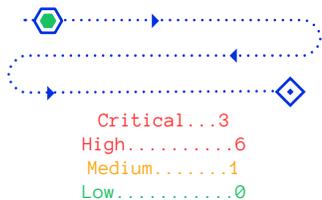


The Alcide Advisor then produces a report that contains:

- A summary of your cluster's compliance and security status.
- A detailed list of identified compliance and security issues, followed by a recommendation for a quick remediation.
- Baseline profile based on specific cluster scan results and compare it to other clusters.

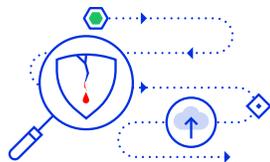


# The Alcide Advisor Covers the Following Use Cases:



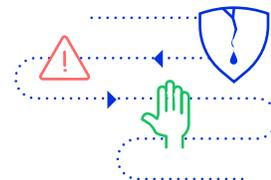
## Snapshot of Cluster's Risks & Hygiene

- List of mis-configurations
- Broad coverage of scans:
  - Secrets
  - CVEs
  - RBAC (API server privileges)
  - Image registry whitelisting



## Detecting Hygiene Drifts

- Focus on negative drifts:
  - New CVE
  - New exposed secret
  - Unauthorized registries
- Reduce noise by putting the spot on cluster hygiene delta



## Drift Prevention

- Real-time prevention of native integration of the Advisor into the K8s Admission Controller
- Prevent tainted CI/CD pipeline

### The results

**Continuously deploy and monitor** K8S clusters, nodes, and pods in a secure manner, **mitigate security risks** before being exploited and **get actionable recommendations** for risks mitigation.

## About Alcide

Alcide is a cloud-native network security leader empowering DevSecOps with code-to-production continuous security, to discover, manage and enforce security policies through a microservices firewall, for workloads running in Kubernetes.

Contact us

