

2025 KCD WASHINGTON DC

Cedar Access Control for Kubernetes

Simplify security with powerful,
flexible policies

Rodrigo Bersa

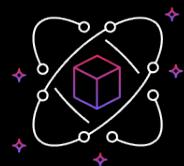
Sr. WW Containers Specialist SA
Amazon Web Services





What is Cedar for K8s?

Single policy language for Kubernetes authorization and admission control



Unified Policy Language

One language for both
authorization and admission
policies



Dynamic control

Create rules based on user
attributes and request details

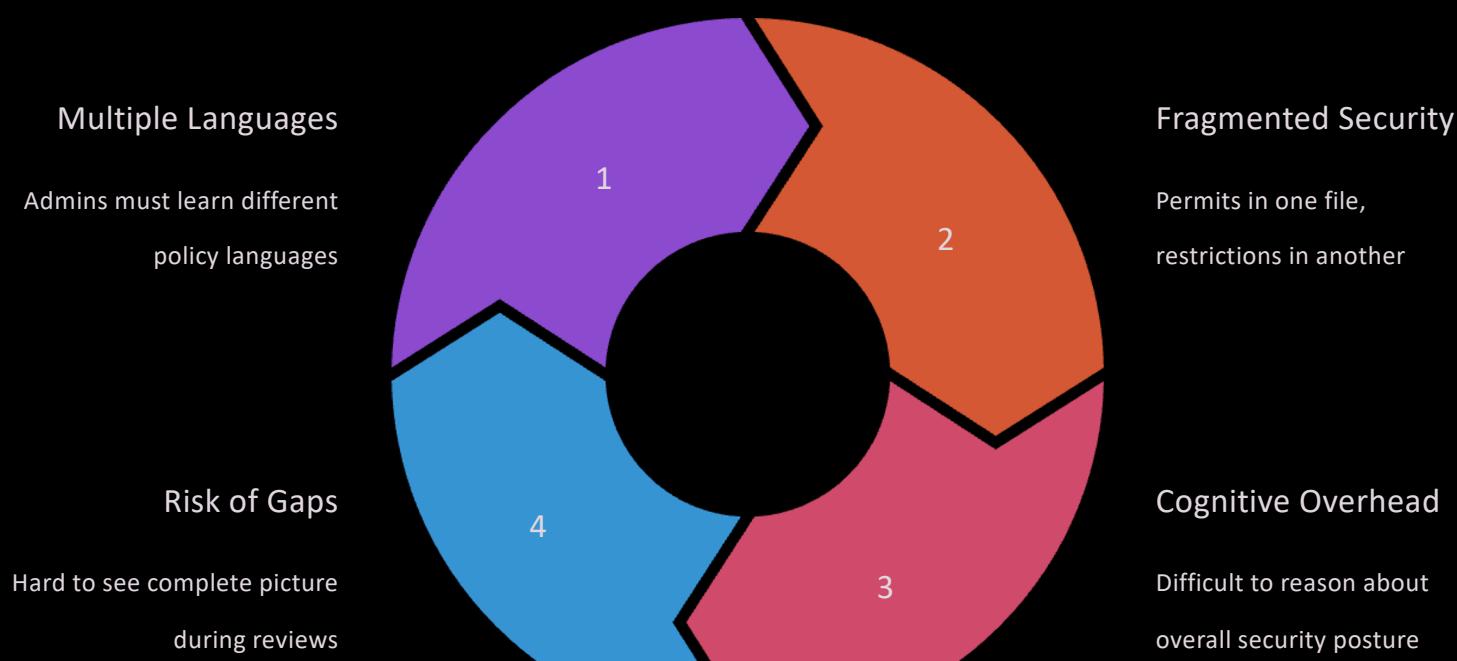


Feature Rich

Supports label-based access,
conditions, denial policies



The Current Challenge



Cedar's Solution



Single Policy File

Both permissions and restrictions in one place



Clear Reasoning

Easily understand what's allowed and what's restricted



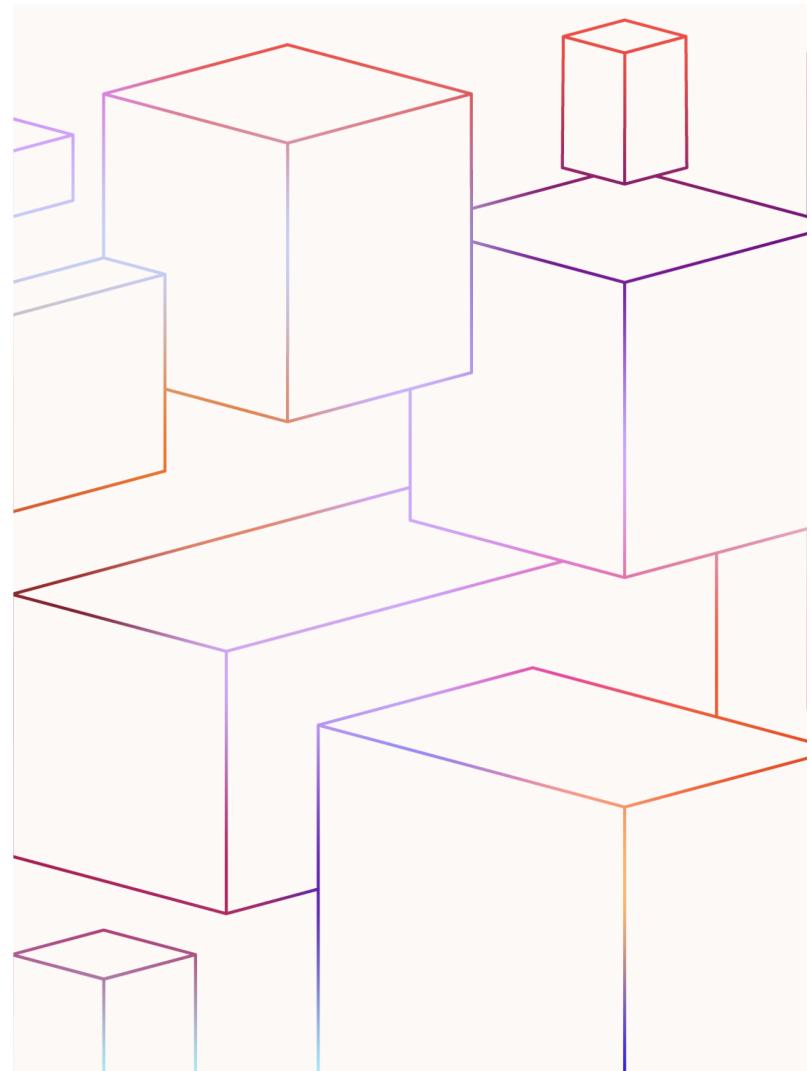
Fleet Management

Apply policies across multiple clusters



Powerful Controls

Reference requesters, attributes, and add conditions





Cedar and Kubernetes RBAC

RBAC

Built-in framework

Allow-only policies

Resource-focused access

Limited conditions

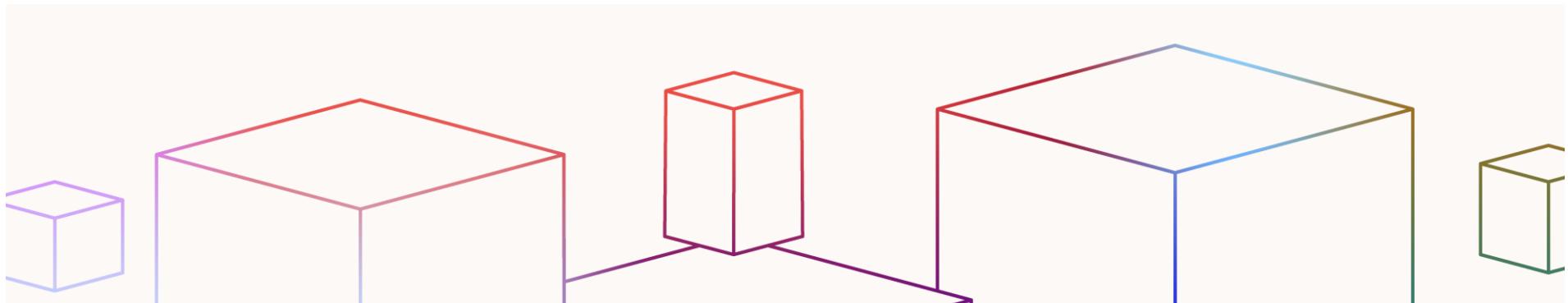
Cedar

Flexible policy language

Allow and deny policies

Requester-attribute based

Full request evaluation



Demo time!

Cedar Authorization Policy



```
+ cedar-access-control-for-k8s git:(main) ✘ []
```



Get involved

Current Status

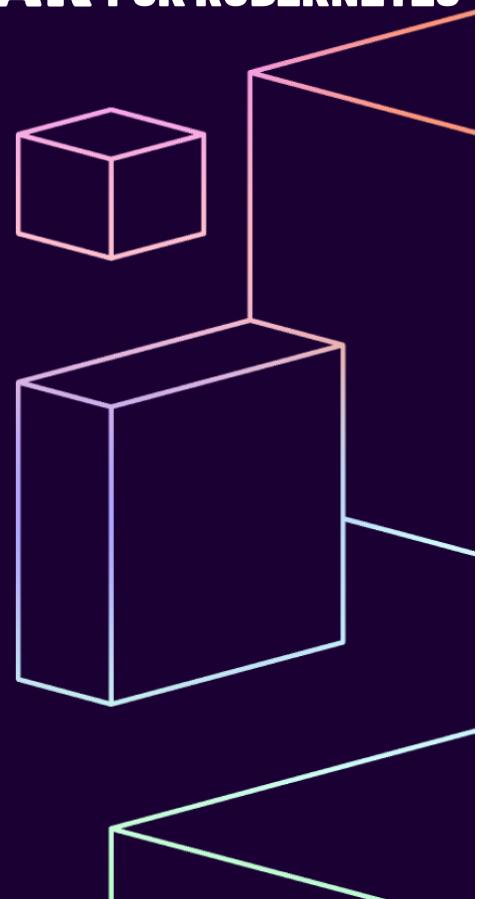
Active development, not yet production-ready

github.com/awslabs/cedar-access-control-for-k8s



Community

Join #cedar-for-k8s Slack channel



Q&A



Thank you!

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Appendix



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Cedar Impersonation Policy



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Cedar Admission Policy



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