

# Kyverno vs OPA

Comparing Leading Kubernetes Policy Engines

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## Introduction to Kyverno

### What is Kyverno?

- Kubernetes-native policy engine
- Uses familiar YAML syntax
- Purpose-built for Kubernetes

### Key Features

- **Validate:** Enforce best practices and security policies
- **Mutate:** Modify resources on-the-fly
- **Generate:** Create supporting resources automatically



## Introduction to OPA

### What is OPA?

- General-purpose policy engine
- Uses Rego language
- Platform-agnostic design

### Key Features

- Flexible policy language (Rego)
- Broad application support
- Rich ecosystem and tooling



## Kyverno vs OPA Comparison

Feature	Kyverno	OPA
Primary Focus	Kubernetes-native	General-purpose
Policy Language	YAML	Rego
Learning Curve	Lower (familiar YAML)	Higher (Rego)
Use Cases	K8s configuration management	Any policy decision
Policy Testing	Built-in CLI tools	OPA Playground
Ecosystem	K8s-focused	Broad platform support
Deployment	Admission Controller	Flexible deployment

