

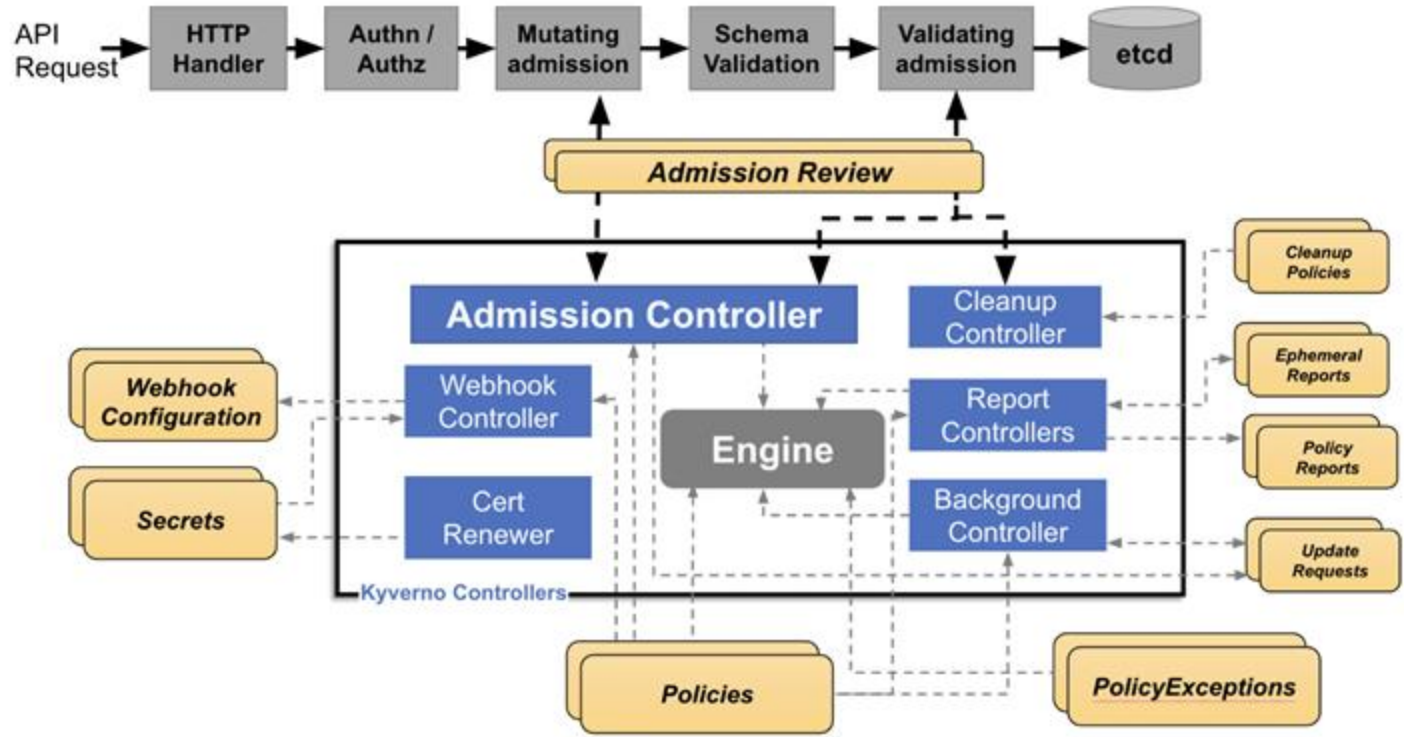
# FIRST WE SECURE, THEN WE AUTOMATE

✦ Kyverno's Magic  
Tricks ✦



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# Kyverno Overview



# Top Use Cases

Pod Security



Validate rule

Workload Security



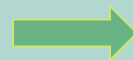
Validate/mutate  
rule

Multitenancy



Generate rule

Software Supply Chain Security



verifyImages rule



KYVERNO

TRICKS



LET'S

GO



QUESTION

1

# QUESTION

Can you use Kyverno to write policies for non-Kubernetes resources?



# ANSWER

YES!

applies Kyverno policies to any  
JSON or YAML payload



QUESTION

2

# QUESTION

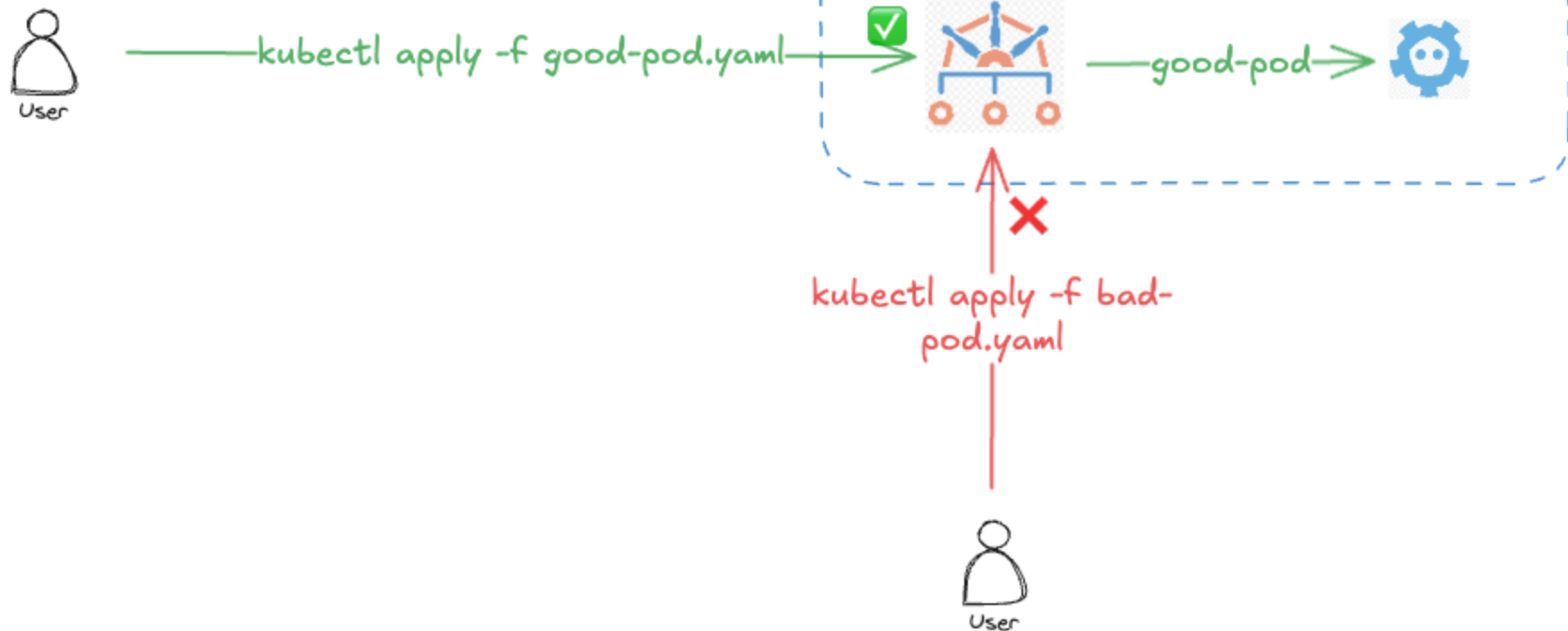
Kyverno is blocking your deployment, how can you fix it?

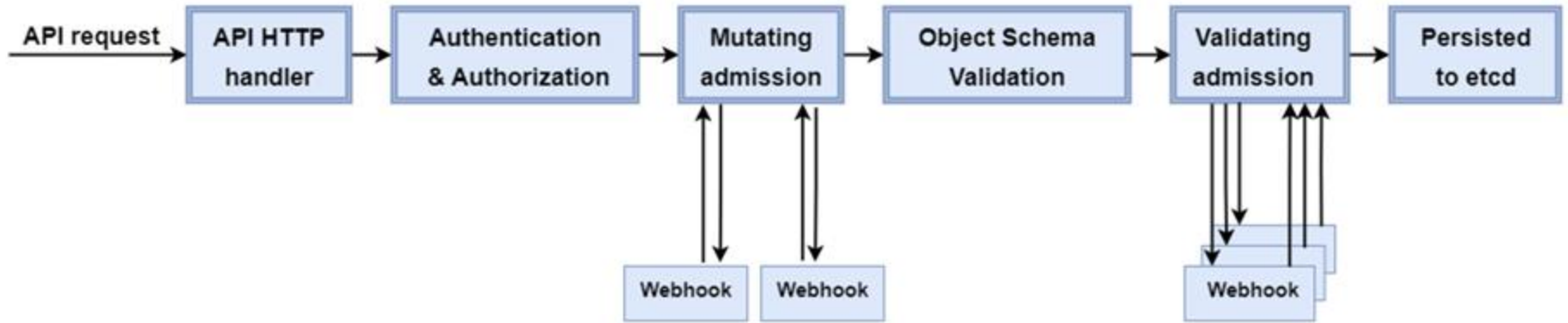
# NOT AN ANSWER

- Exclude my deployment
- Run in Audit mode
- Delete the policy. Duh.

# ANSWER

Use Kyverno's mutate capability to make the incoming resource compliant with your policies.





Admission Controller Phases



User

kubectl apply -f bad-  
pod.yaml



Kyverno

mutate pod

good-pod



validate pod

good-pod







QUESTION

3



Can you use Kyverno for automating Compliance Controls?

# ANSWER

YES!

Translate compliance controls to Kyverno policies  
and use the CLI to run offline checks

Containers should not run in privileged mode

Images should not have the *latest* tag

Cluster should not have publicly accessible endpoint

CVE report for images should not be older than two weeks

Every Pull Request should require two approvals



# QUESTION

4



Can Kyverno save you money?

# ANSWER

YES!

- Kyverno & VPA for resource optimization
- Kyverno & OpenCost to enforce budgets



QUESTION

5



# QUESTION

Is there anything Kyverno can't do?

# ANSWER

Well... 

🌟 Kyverno is a rule processing engine 🌟



Q&A





THANKS

FOR

JOINING