**Objective**

Access the Control Plane API across namespaces directly via **Istio Gateway**, bypassing Apigee.

**Current vs Target Flow**

**With Apigee:**

Client → Apigee Gateway → Istio Gateway → Control Plane API

**Bypassing Apigee:**

Client → Istio Gateway → Control Plane API

Add this to your main.py or wherever you handle authentication:

import os

from fastapi import Request, HTTPException

from fastapi.middleware.trustedhost import TrustedHostMiddleware

USE\_APIGEE\_AUTH = os.getenv("USE\_APIGEE\_AUTH", "false").lower() == "true"

@app.middleware("http")

async def apigee\_bypass\_middleware(request: Request, call\_next):

if USE\_APIGEE\_AUTH:

client\_id = request.headers.get("x-api-key")

expected\_key = os.getenv("EXPECTED\_API\_KEY") # can be stored in Secret Manager

if not client\_id or client\_id != expected\_key:

raise HTTPException(status\_code=403, detail="Unauthorized - Invalid API Key")

response = await call\_next(request)

return response

In your Helm values-dev.yaml or Kubernetes deployment.yaml for non-prod:

yaml

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env:

- name: USE\_APIGEE\_AUTH

value: "false"