**Problem: Autoscaling a Service**

* Design a deployment strategy for a microservice that handles unpredictable traffic spikes. The service runs in Docker containers.
* Requirements:
  + Support autoscaling.
  + Avoid downtime during scaling.
  + Ensure minimal resource wastage.
  + You can propose any solution, example using Kubernetes, Cloud Provider Feature, or anything
* Deliverables: An architecture diagram (e.g., using tools like Lucidchart or diagrams.net).

A diagram of a company

Description automatically generated

<https://lucid.app/lucidchart/b4531752-0b8c-4cf4-860e-27c1775a0f5d/edit?viewport_loc=-11%2C-53%2C2219%2C1031%2C0_0&invitationId=inv_4c060d80-98e5-4322-8b00-5876a0bc452d>

Traffic come to App Load Balancer (AWS) forwarded to Kubernetes Ingress (e.g. Nginx).

Ingress access Microservice manager (KONG, etc) using its service, then Microservice manager will plot which microservice should be running the task