Prompt Synthesis

Top k generated configurations

Structured knowledge

Contraints   Scaling knobs   Resource knobs

System-state

- start: 2025-10-05 15:11:47
- end: 2025-10-05 15:12:46

worker-1:
- cpu: 20%
- memory: 5gb/8gb

- requests: 240000
- avg-resp-time: 344ms
- deadline-miss: 35%

worker-2:
- cpu: 20%
- memory: 5gb/8gb

srv-reserve:
- cpu: 300m
- replicas: 2
- anomaly: 6

/hotels
- deadline-miss: 50%
- avg-resp-time: 210ms

/reserve
- deadline-miss: 20%
- avg-resp-time: 447ms

srv-geo:
- cpu: 350m
- replicas: 3
- anomaly: 23

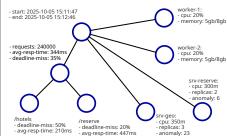## Anomalous service configuration

```
service_configuration:
  kind: Service
  metadata:
    name: srv-geo
  spec:
    autoscaling.knative.dev/max-scale: '3'
    autoscaling.knative.dev/metric: concurrency
    autoscaling.knative.dev/panic-window: '500.0'
    autoscaling.knative.dev/target: '10'
    autoscaling.knative.dev/window: 6s
    resources:
      limits:  cpu: 500m
      requests: cpu: 100m
```

Action-space and goal

*"Analyse the **system state** and provide a
revised configuration that aims to resolve
the anomaly, respecting the **constraints**
and using **horizontal** and **vertical scaling**
using the provided keys and values"*