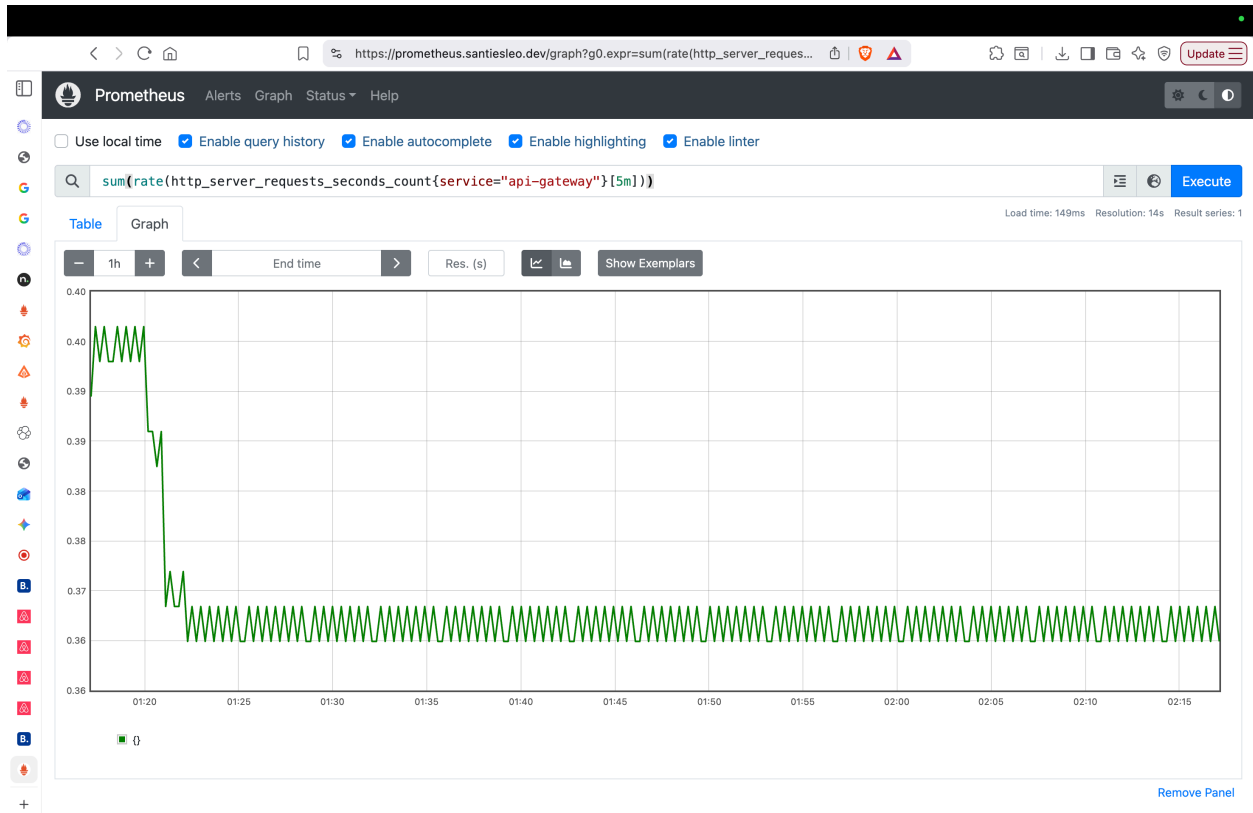
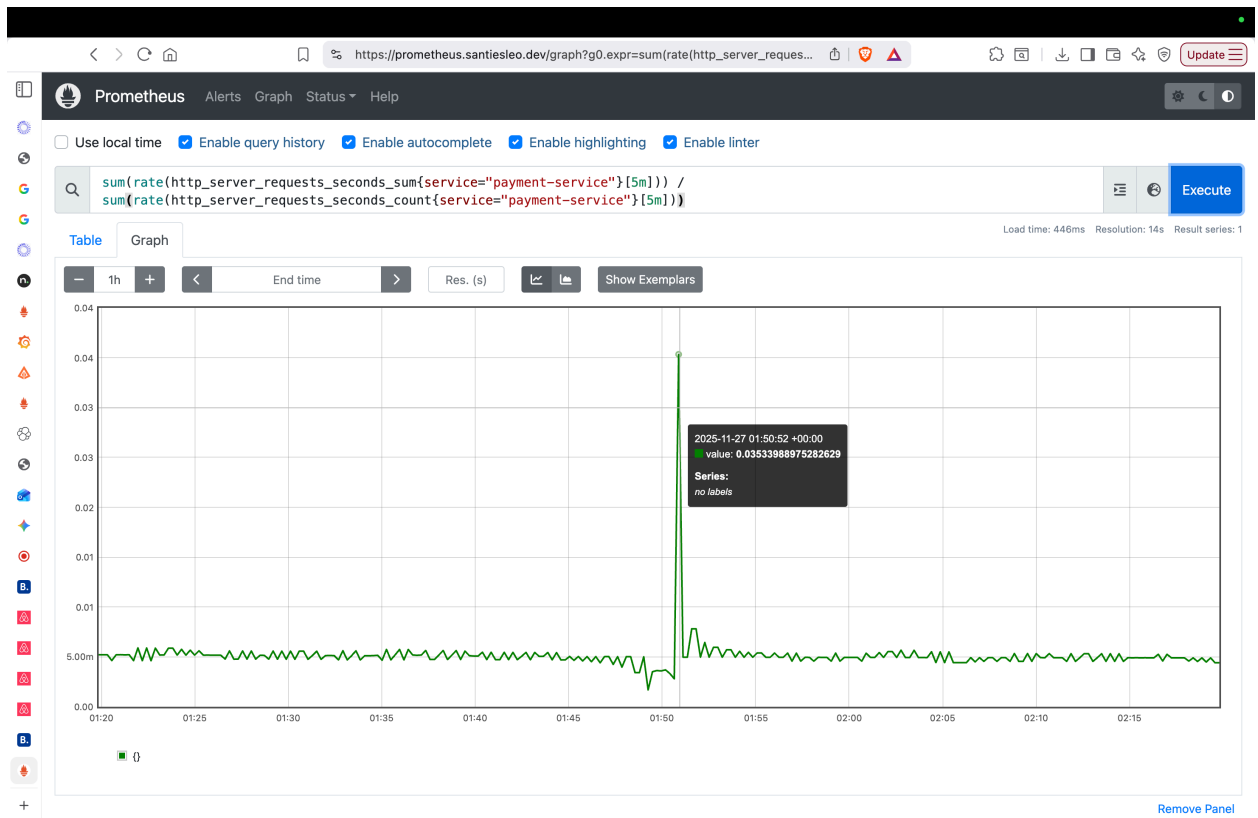


```
sum(rate(http_server_requests_seconds_count{service="api-gateway"}[5m]))
```



```
sum(rate(http_server_requests_seconds_sum{service="payment-service"}[5m])) /  
sum(rate(http_server_requests_seconds_count{service="payment-service"}[5m]))
```



<https://prometheus.santiesleo.dev/alerts>

Prometheus Alerts

Filter by name or labels

/etc/prometheus/alerts/alerts.yml > microservices_alerts

APIGatewayHighErrorRate (0 active)

APIGatewayHighLatency (0 active)

OrderServiceHighErrorRate (0 active)

OrderServiceCircuitBreakerOpen (0 active)

PaymentServiceHighErrorRate (0 active)

PaymentServiceCircuitBreakerOpen (0 active)

UserServiceHighErrorRate (0 active)

ProductServiceHighErrorRate (0 active)

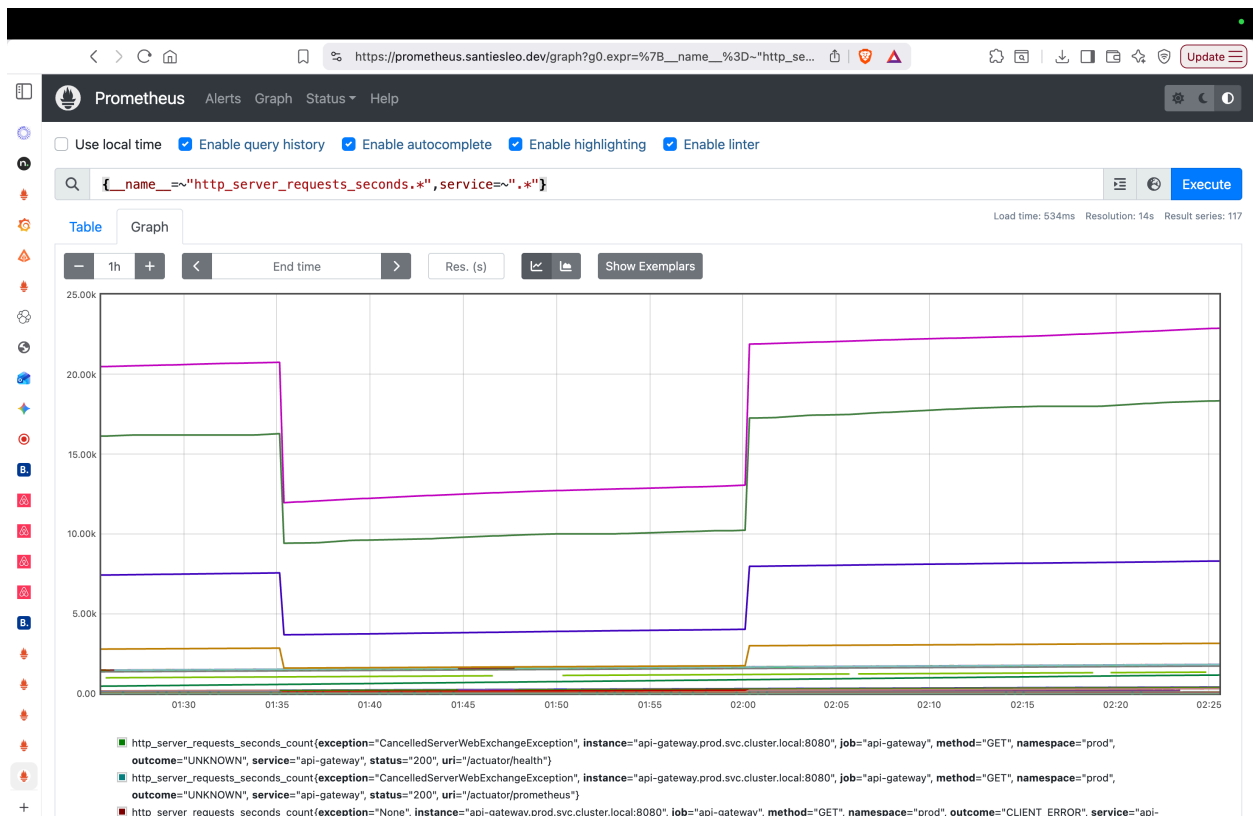
HighMemoryUsage (0 active)

HighCPUUsage (0 active)

PodRestarting (0 active)

```
{__name__=~"http_server_requests_seconds.*",service=~".*"}

```



```
santiago@MacBook-Air-de-Santiago-3 ~ % kubectl get
pods -n monitoring | grep prometheus
prometheus-6ff8cdc54-8djfk      1/1      Running    0
106m
```

```
santiago@MacBook-Air-de-Santiago-3 ~ % kubectl exec
-n monitoring deployment/prometheus -- wget -qO-
'http://localhost:9090/api/v1/targets' | python3 -m
json.tool | grep -E '"job"|"health"|"lastError"'
```

```
      "job": "api-gateway",
      "job": "api-gateway",
      "lastError": "",
      "health": "up",
      "job": "cloud-config",
      "job": "cloud-config",
      "lastError": "",
      "health": "up",
      "job": "favourite-service",
      "job": "favourite-service",
      "lastError": "",
      "health": "up",
      "job": "order-service",
      "job": "order-service",
      "lastError": "",
      "health": "up",
      "job": "payment-service",
      "job": "payment-service",
      "lastError": "",
      "health": "up",
      "job": "product-service",
      "job": "product-service",
      "lastError": "",
      "health": "up",
      "job": "prometheus"
      "job": "prometheus"
      "lastError": "",
      "health": "up",
      "job": "proxy-client",
```

```

        "job": "proxy-client",
        "lastError": "server returned HTTP
status 403 Forbidden",
        "health": "down",
        "job": "service-discovery",
        "job": "service-discovery",
        "lastError": "",
        "health": "up",
        "job": "shipping-service",
        "job": "shipping-service",
        "lastError": "",
        "health": "up",
        "job": "user-service",
        "job": "user-service",
        "lastError": "",
        "health": "up",
santiago@MacBook-Air-de-Santiago-3 ~ % kubectl exec
-n monitoring deployment/prometheus -- wget -qO-
'http://localhost:9090/api/v1/label/__name__/values
' | python3 -c "import sys, json; data =
json.load(sys.stdin); print('\n'.join([m for m in
data['data'] if 'http_server' in m]))"
http_server_requests_seconds_count
http_server_requests_seconds_max
http_server_requests_seconds_sum
santiago@MacBook-Air-de-Santiago-3 ~ % kubectl exec
-n monitoring deployment/prometheus -- wget -qO-
'http://localhost:9090/api/v1/rules' | python3 -m
json.tool | grep -E '"name"|"state"'
        "name": "microservices_alerts",
        "state": "inactive",
        "name":
"APIGatewayHighErrorRate",
        "state": "inactive",
        "name":
"APIGatewayHighLatency",
        "state": "inactive",

```

```
        "name":  
"OrderServiceHighErrorRate",  
        "state": "inactive",  
        "name":  
"OrderServiceCircuitBreakerOpen",  
        "state": "inactive",  
        "name":  
"PaymentServiceHighErrorRate",  
        "state": "inactive",  
        "name":  
"PaymentServiceCircuitBreakerOpen",  
        "state": "inactive",  
        "name":  
"UserServiceHighErrorRate",  
        "state": "inactive",  
        "name":  
"ProductServiceHighErrorRate",  
        "state": "inactive",  
        "name": "HighMemoryUsage",  
        "state": "inactive",  
        "name": "HighCPUUsage",  
        "state": "inactive",  
        "name": "PodRestarting",  
santiago@MacBook-Air-de-Santiago-3 ~ %
```