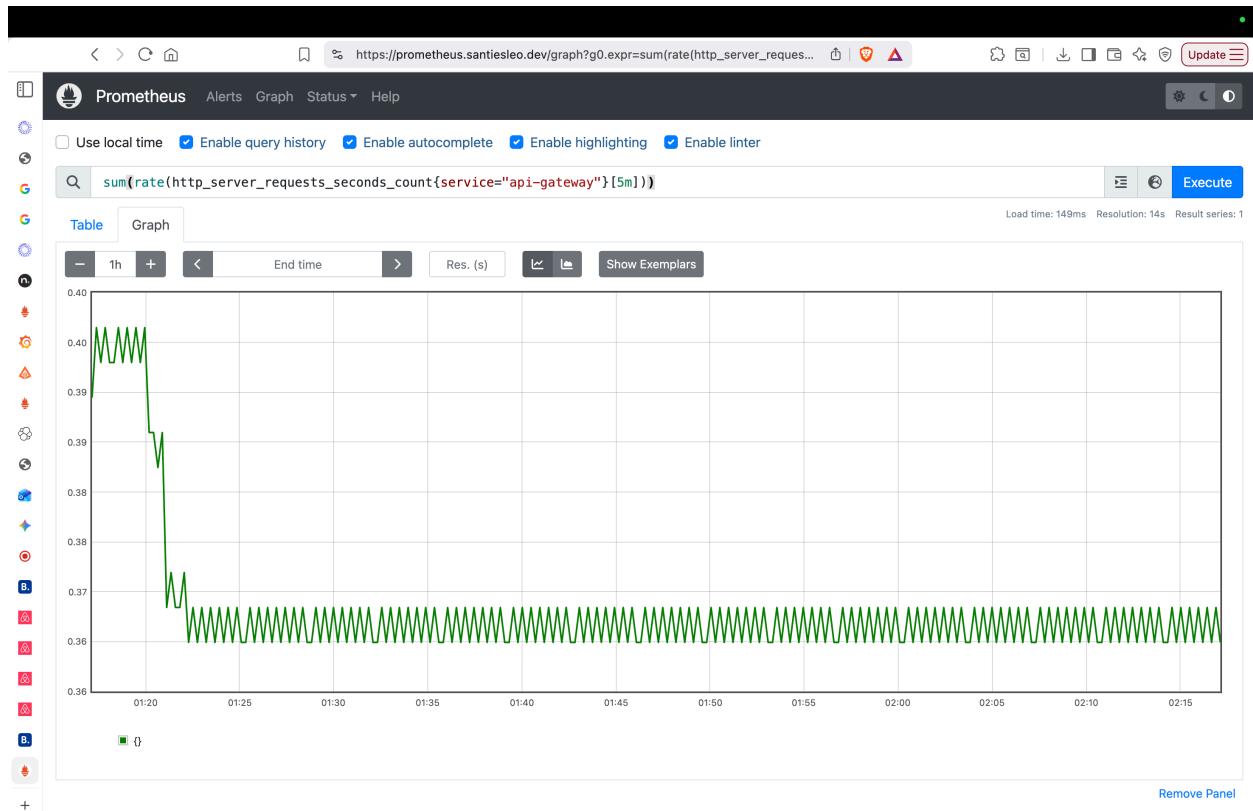
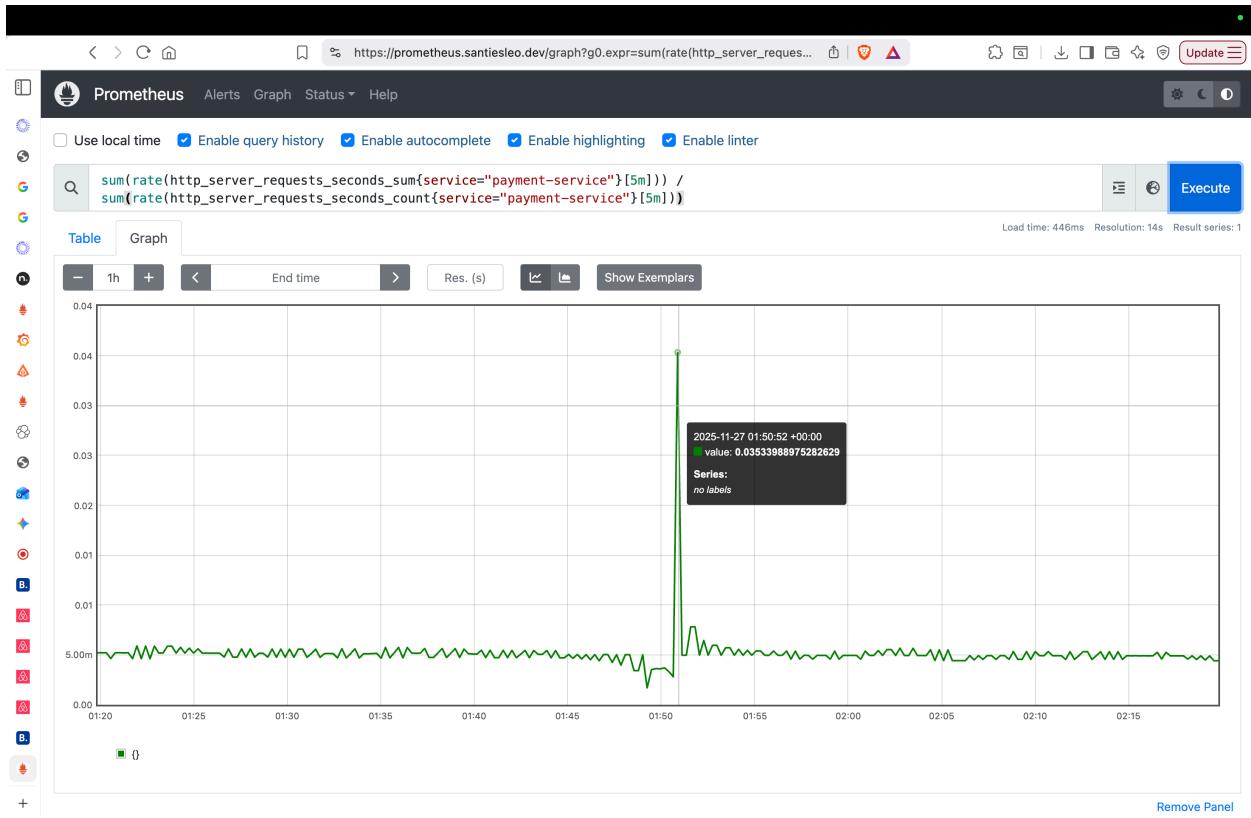


```
sum(rate(http_server_requests_seconds_count{service="api-gateway"}[5m]))
```



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



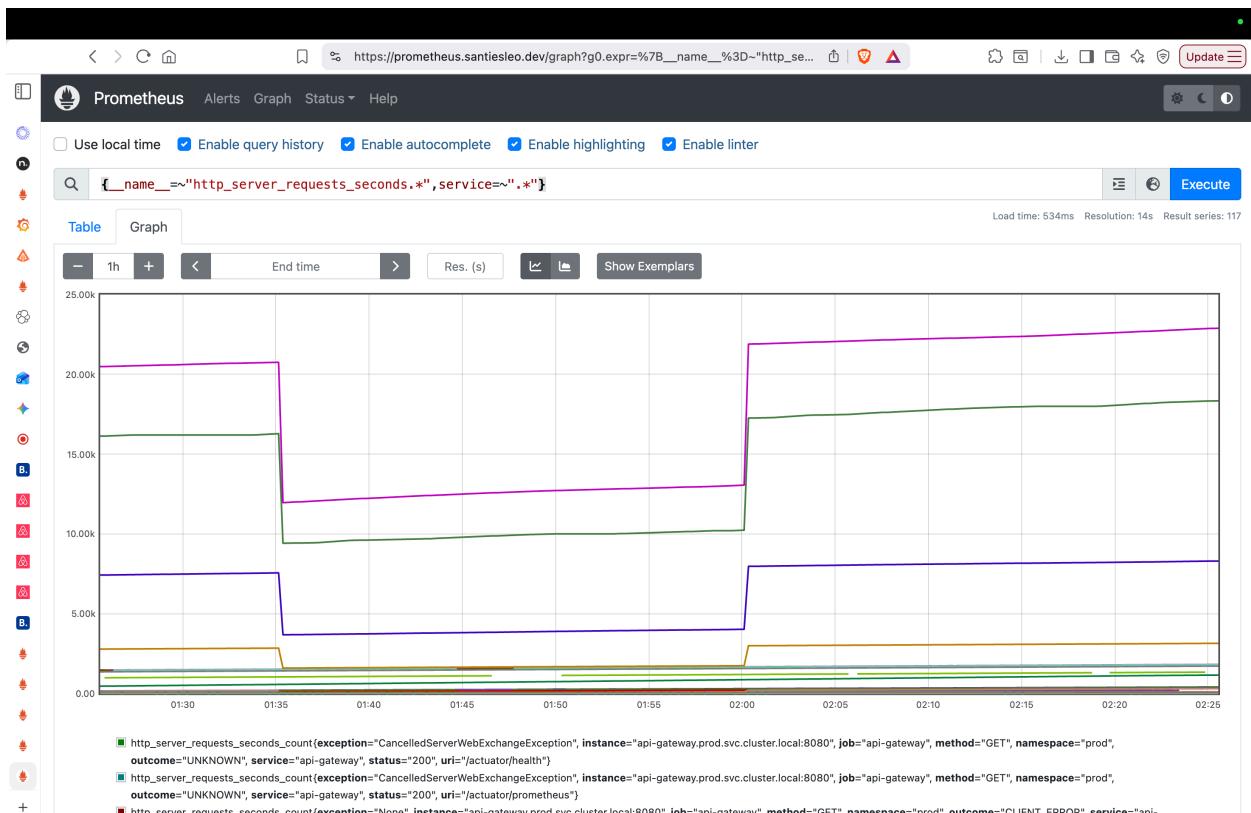
<https://prometheus.santiesleo.dev/alerts>

Screenshot of the Prometheus Alerts interface showing a list of active alerts. The search bar at the top shows "search=". The alert list includes:

- > 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)

The status for all alerts is "inactive".

```
{__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 ~ %
```