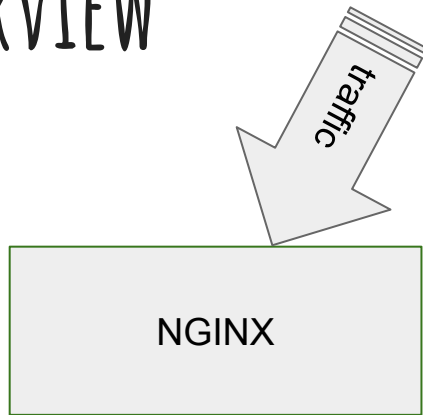


30MS. HOW MUCH DOES IT
COST?

Feb 2020, Vitalii Melnychuk

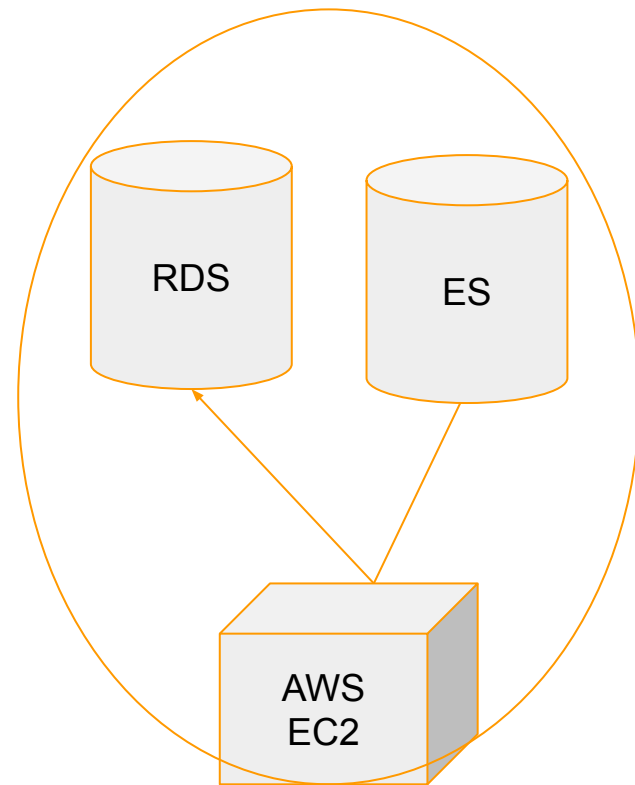
INFRASTRUCTURE OVERVIEW



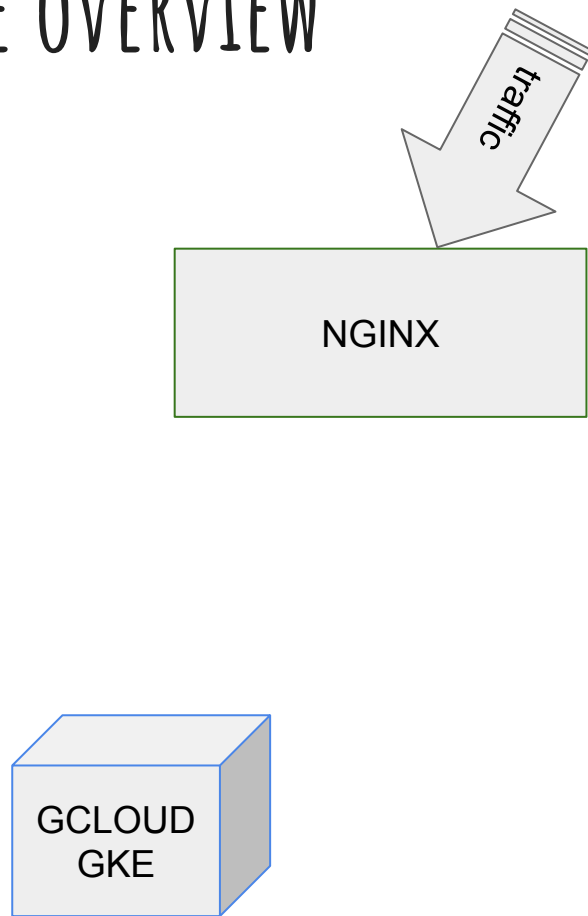
INFRASTRUCTURE OVERVIEW



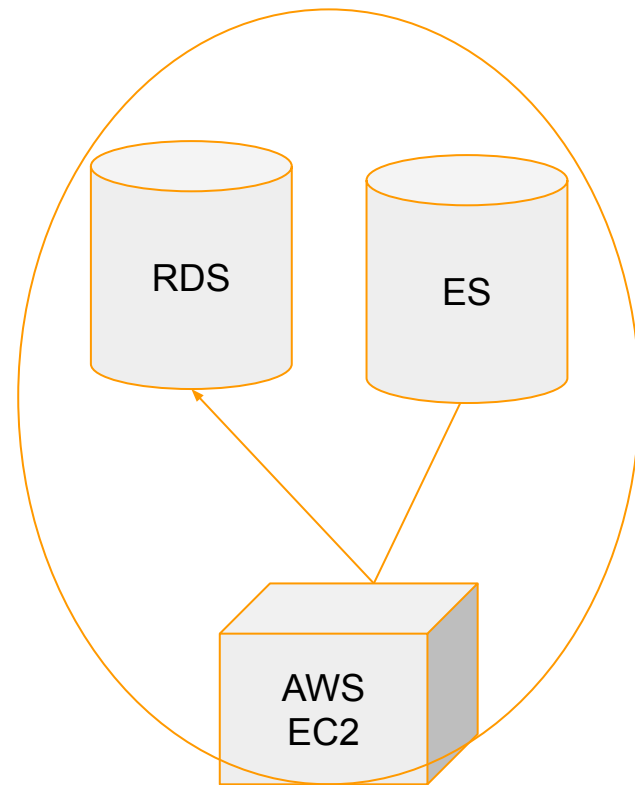
AWS
Amazon Virtual Private Cloud



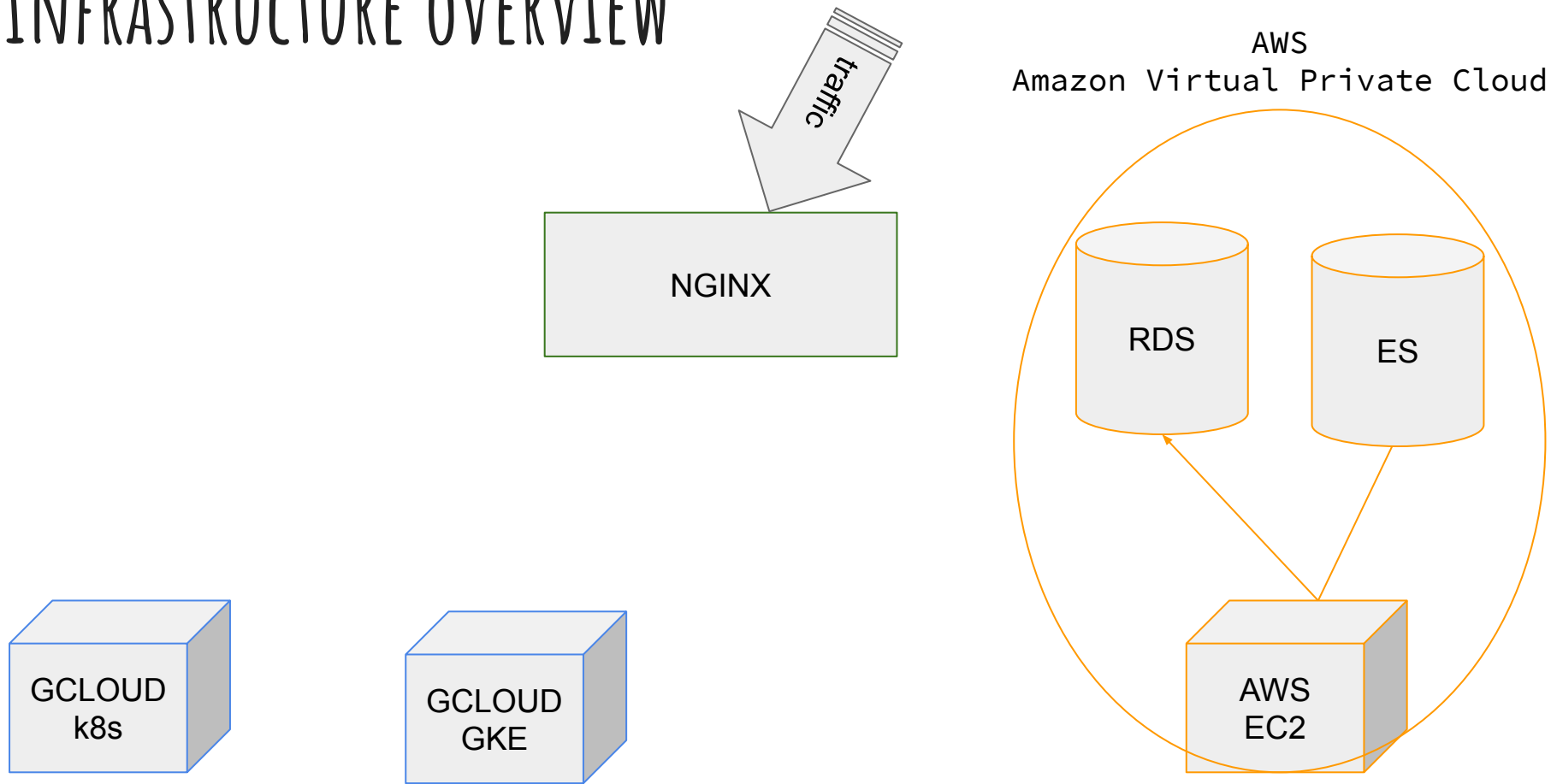
INFRASTRUCTURE OVERVIEW



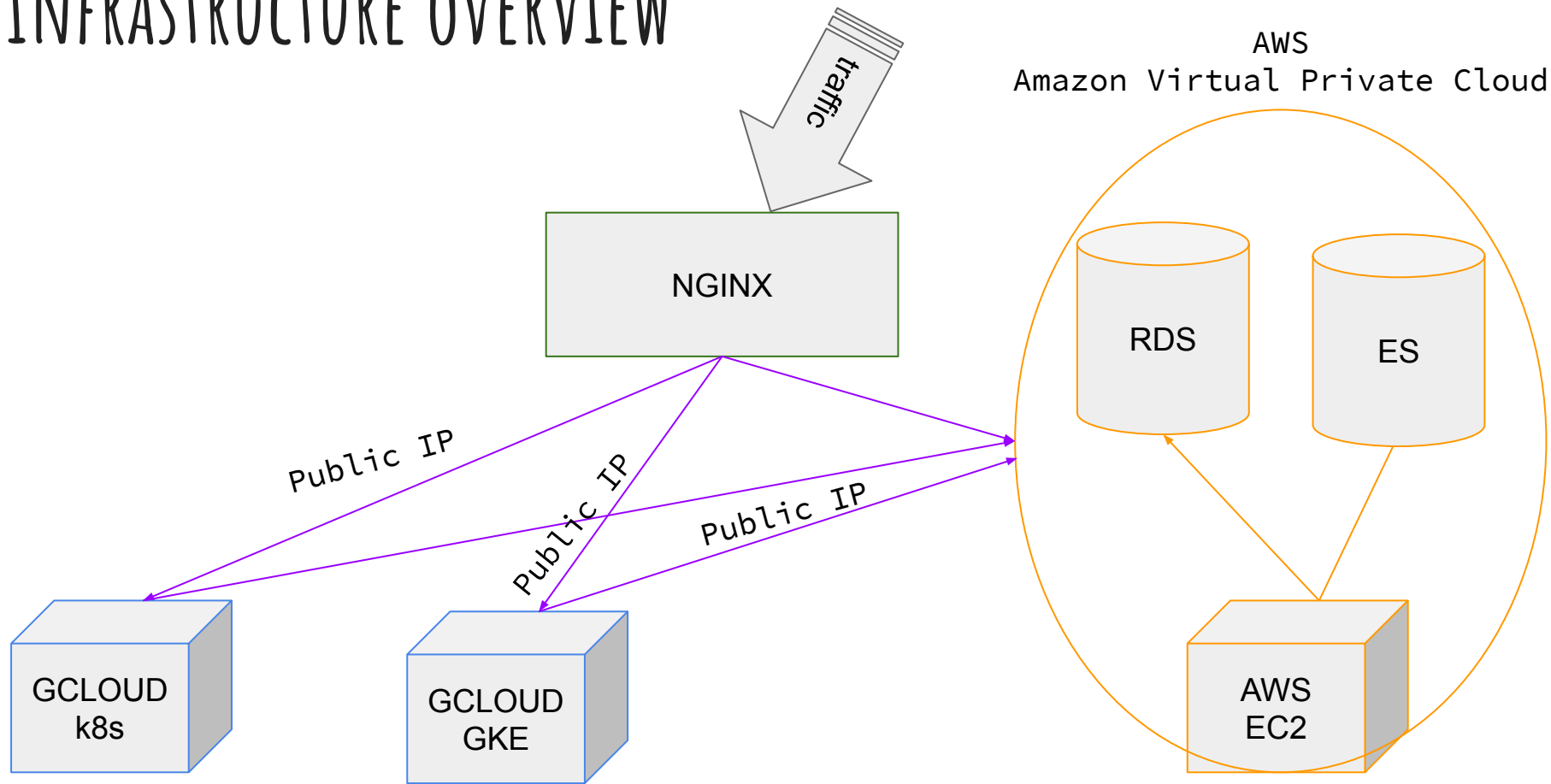
AWS
Amazon Virtual Private Cloud



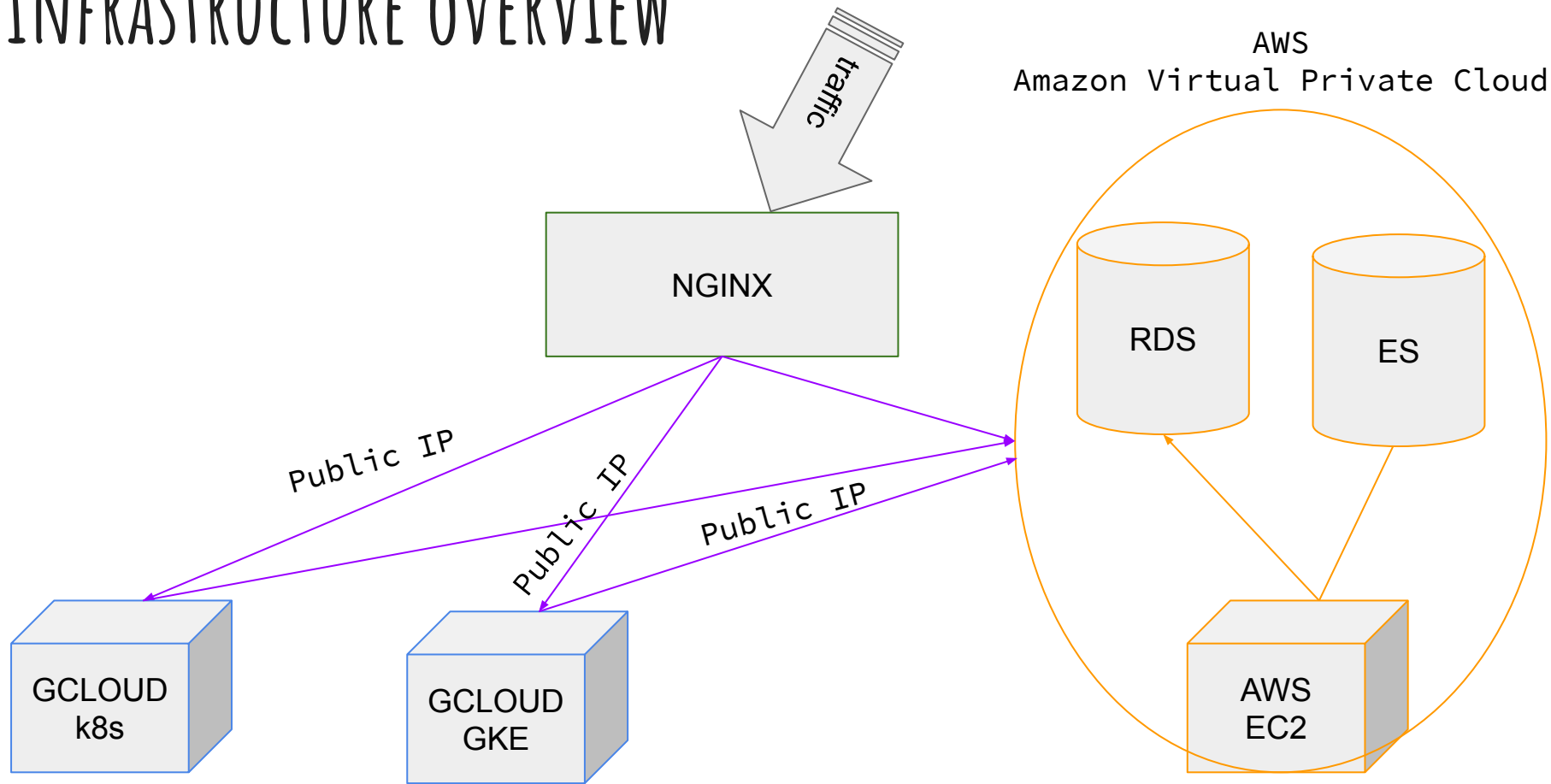
INFRASTRUCTURE OVERVIEW



INFRASTRUCTURE OVERVIEW



INFRASTRUCTURE OVERVIEW



```
location ~ ^/test-k8s-page {  
    proxy_set_header X-Real-IP $remote_addr;  
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
    proxy_set_header X-Forwarded-Proto $http_x_forwarded_proto;  
    proxy_set_header Host $host;  
    proxy_pass http://34.34.1.2;  
}
```



```
location ~ ^/test-k8s-page {  
    proxy_set_header X-Real-IP $remote_addr;  
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
    proxy_set_header X-Forwarded-Proto $http_x_forwarded_proto;  
    proxy_set_header Host $host;  
    proxy_pass http://34.34.1.2;  
}
```

INGRESS USES HTTP SCHEMA

```
location ~ ^/test-k8s-page {  
    proxy_set_header X-Real-IP $remote_addr;  
    proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
    proxy_set_header X-Forwarded-Proto $http_x_forwarded_proto;  
    proxy_set_header Host $host;  
    proxy_pass https://34.34.1.2;  
}
```

PAGE LOAD

~3-5s

10 QUERIES- 1s

10 QUERIES- 1s

100 QUERIES- 5s

A black and white photograph of a woman with long dark hair, wearing a white, short-sleeved, button-down dress, running away from the camera across a sandy, rocky desert landscape. She is holding two palm fronds, one in each hand, and her arms are outstretched. The background features a line of dark, rocky hills under a bright, overcast sky. The overall mood is one of freedom and escape.

IT'S NOT ABOUT K&S PERFORMANCE

(central1) traceroute -p 3306 p8.db

```
1  * 72.14.232.71 (72.14.232.71)  10.818 ms
2  209.85.250.34 (209.85.250.34)  10.794 ms
3  108.170.243.200 (108.170.243.200)  10.705 ms
4  * * *
5  52.93.249.91 (52.93.249.91)  11.714 ms
6  150.222.212.23 (150.222.212.23)  11.058 ms
7  * * *
8  52.93.129.138 (52.93.129.138)  28.818 ms
9  * 52.93.131.184 (52.93.131.184)  28.738 ms
10 * * *
11 * * *
20 * * 52.93.28.114 (52.93.28.114)  28.786 ms
21 * * *
22 * * *
23 * * *
24 * * *
25 52.93.28.74 (52.93.28.74)  28.775 ms * *
26 * * *
```





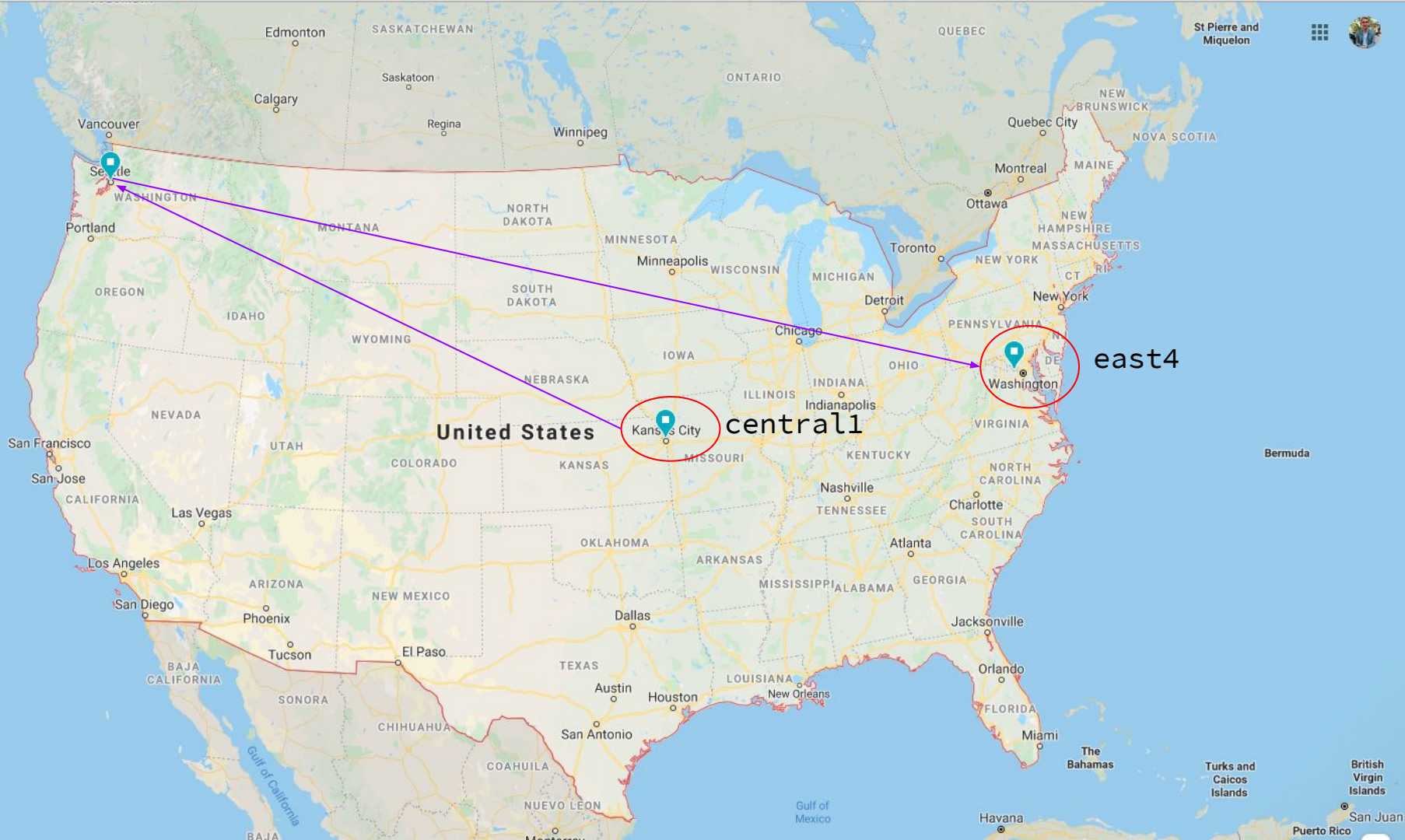

United States

Kansas City

central1

east4

Washington



```
(east4) traceroute -p 3306 p8.db
```

```
1  * * *  
2  * * *  
3  52.93.28.110 (52.93.28.110)  1.846 ms  
4  * * *  
5  * * *
```



DB QUERIES

Previous = 0,03s

Now = 0,001s