

SharkFest '18 Europe



Packet Analysis in the Cloud

I can't see in the rain

Matthew York Advance7

Clouds are big and getting bigger



Anazon web ocivices







• SharkFest'16:

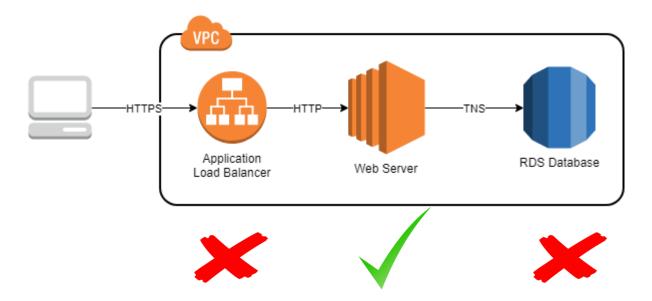
"Packet capture in the cloud is tcpdump"

• SharkFest'18 Europe:

"Packet capture in the cloud is tcpdump but that's OK"

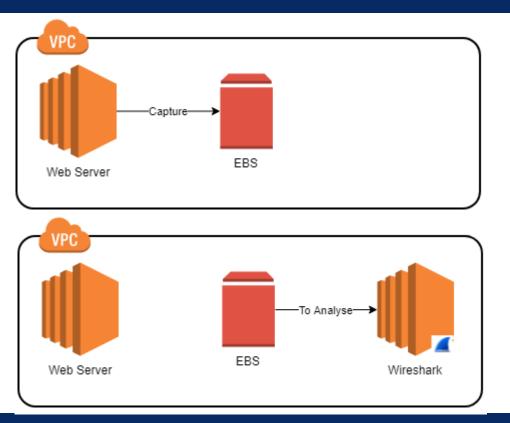
To manage or not to manage





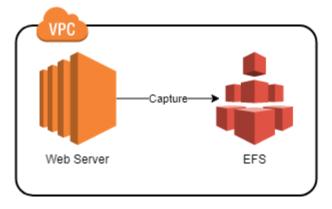






Scale this some



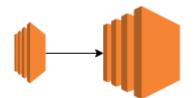


Things to Consider: Burst v Provision Lifecycle Management Instance Bandwidth

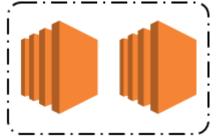
Your captures are killing me



- You've got a bunch of options:
 - Get a bigger instance



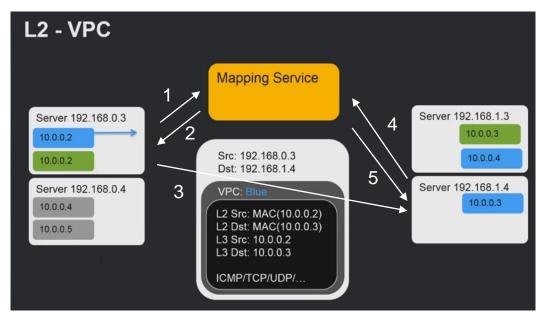
Use autoscaling groups



Your captures are still killing me



• What happens in a VPC:

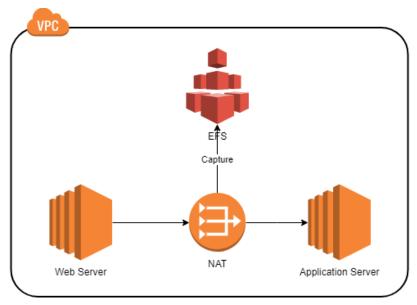




What can we do?

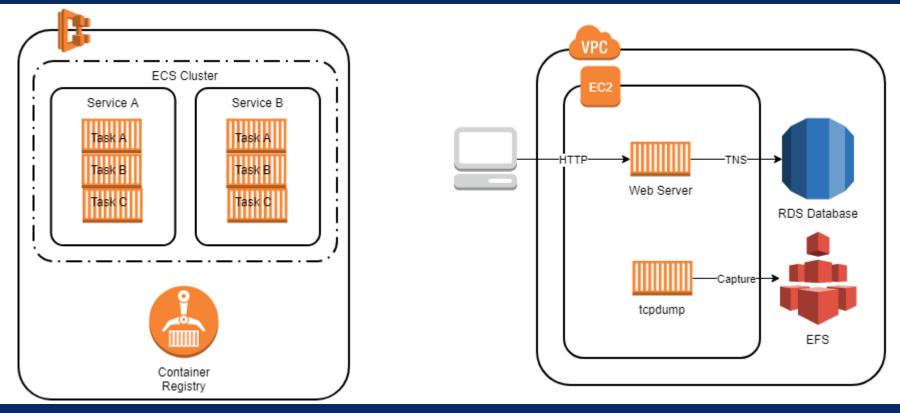


• Do some NAT'ing



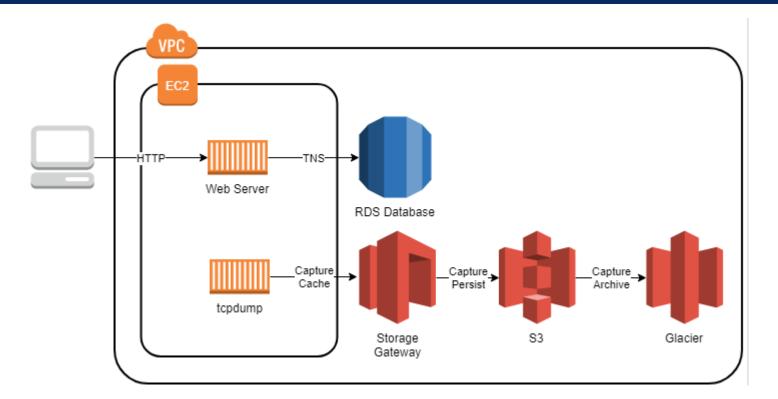
We're using containers



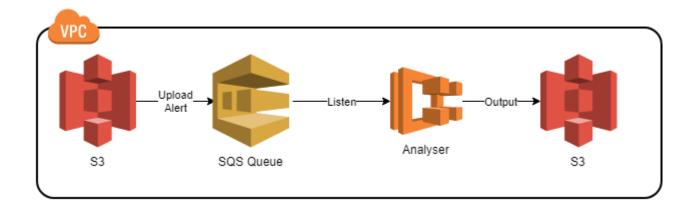


Scale this more



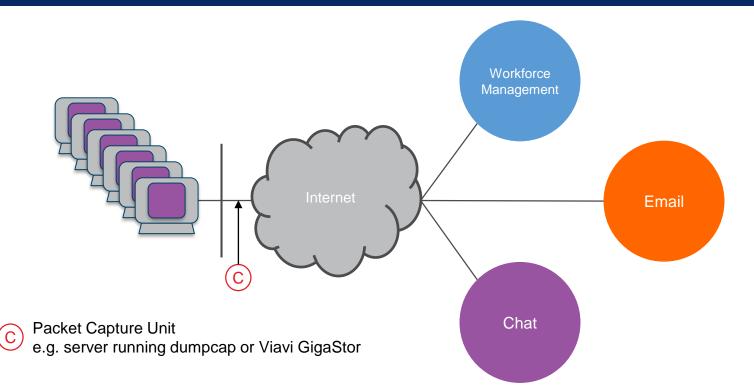






It's not you, it's me



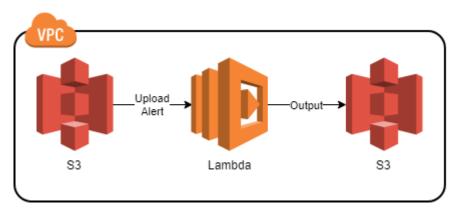




What's next?



- Filling in the gaps
- Increase parallelism and reduce uptime on analysis









#sf18eu • Imperial Riding School Renaissance Vienna • Oct 29 - Nov 2

Questions