

- 1- To build a news site like CNN, I'll use microservices architecture and divide various components of this site as independent APIs.
- 2- First there will be a WAF in front of my public gateway and all traffic will be routed from WAF to the load balancer.
- 3- There will be 2 subnets in my internal network, public and private. Public subnet will be accessible from the internet while private is not exposed publicly.
- 4- Our load balancer will be placed in the public subnet let's say subnet, exposing only port 80/443 and rest of the microservices and DBs are in private subnet.
- 5- Request from the user will land on load balancer and then it will route it to relevant microservice. That microservice will then talk to DBs within private subnet. The response will then be forward from that microservice to end user via load balancer proxy.

