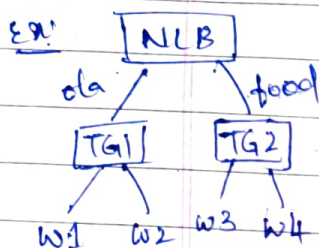


12/10/23 :

## NLB

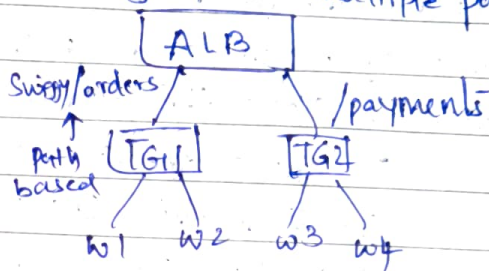
- works on layer 4 (Trans)
- protocol - TCP
- multiple websites can be hosted.



- faster Communications
- handles millions of requests

## ALB

- works on layer 7 (APP)
- protocol - https/http
- path-based routing  
Single path → Multiple paths

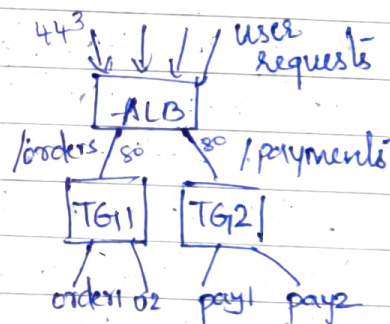


- Comparatively slower

### ALB :

minimum 2 subnets (AZ's)

- 1st subnet - diff zone
- 2nd subnet - diff zone

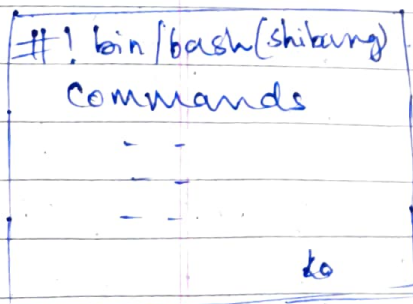


Server Creation → Go to advanced details

where u can write userdata (before running the server. userdata Commands will be executed) - Launch.

→ Security - All traffic - Save

### userdata



http port → 80 (internal)  
https port - 443 (external)  
certification is needed.

- create Target groups
- ALB - create - name - select vpc
- select subnets & Security groups
- Listener: forward to orders - create LB
- Add listener: forward
- click on ALB → Go to listeners
- click on rule → Add rule → next
- add condition → path → /payments
- Confirm → next → Action types - forward to TG - Select paym TG
- next - Create