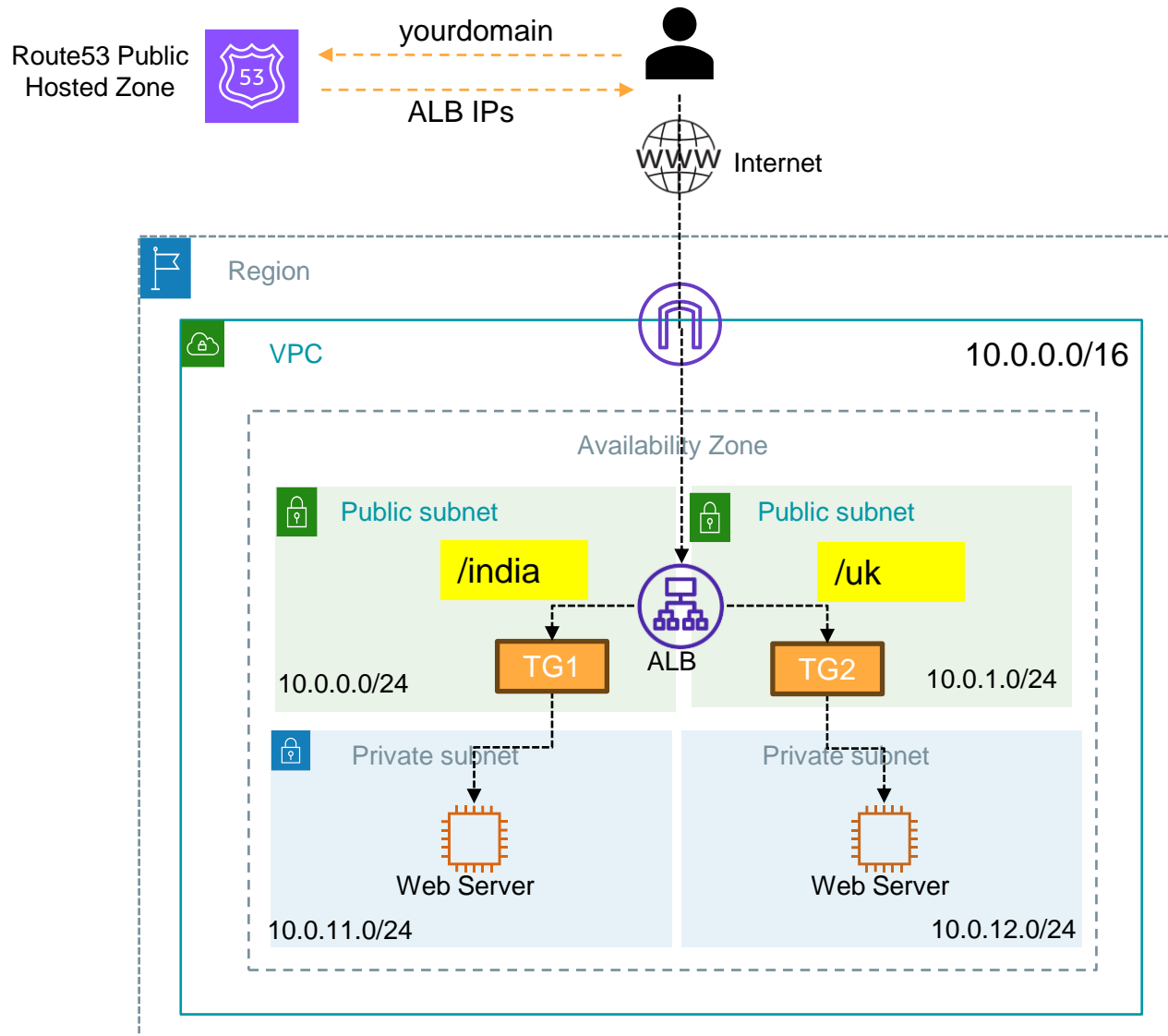


Assignment – ALB path based routing



<https://t.me/learningnets>

- 0 Use the existing VPC with 2 Public Subnets and 2 Private Subnets or create a new VPC and subnets if you don't have it.
- 1 Create EC2 AMIs for both the backend web servers. Use userdata given in the next slide.
- 2 Launch Web server 1 and Web server 2 in respective private subnets using AMIs created above. Security group to allow HTTP traffic.
- 3 Create 2 target groups and register one EC2 instance in each target group as per the intended traffic routing (Webserver 1 for /india and Webserver 2 for /uk).
- 4 Create Load Balancer listener rules to route traffic to respective Target groups with matching paths i.e. /india to TG1 and /uk to TG2
- 5 Access web application with domain name and append path /india. Traffic should be routed to web server for India. Do the same for /uk path and traffic should be routed to the other webserver.

Pre-requisite – Create webserver AMIs for ALB Path based routing

Userdata for Webserver 1:

```
#!/bin/bash
yum install httpd -y
systemctl start httpd.service
systemctl enable httpd.service
echo "<h1>This is Webserver 1</h1>" > /var/www/html/index.html
mkdir /var/www/html/india
echo "<h1>Hi from India</h1>" > /var/www/html/india/index.html
echo "Configured successfully"
```

Userdata for Webserver 2:

```
#!/bin/bash
yum install httpd -y
systemctl start httpd.service
systemctl enable httpd.service
echo "<h1>This is Webserver 2</h1>" > /var/www/html/index.html
mkdir /var/www/html/uk
echo "<h1>Hi from UK</h1>" > /var/www/html/uk/index.html
echo "Configured successfully"
```