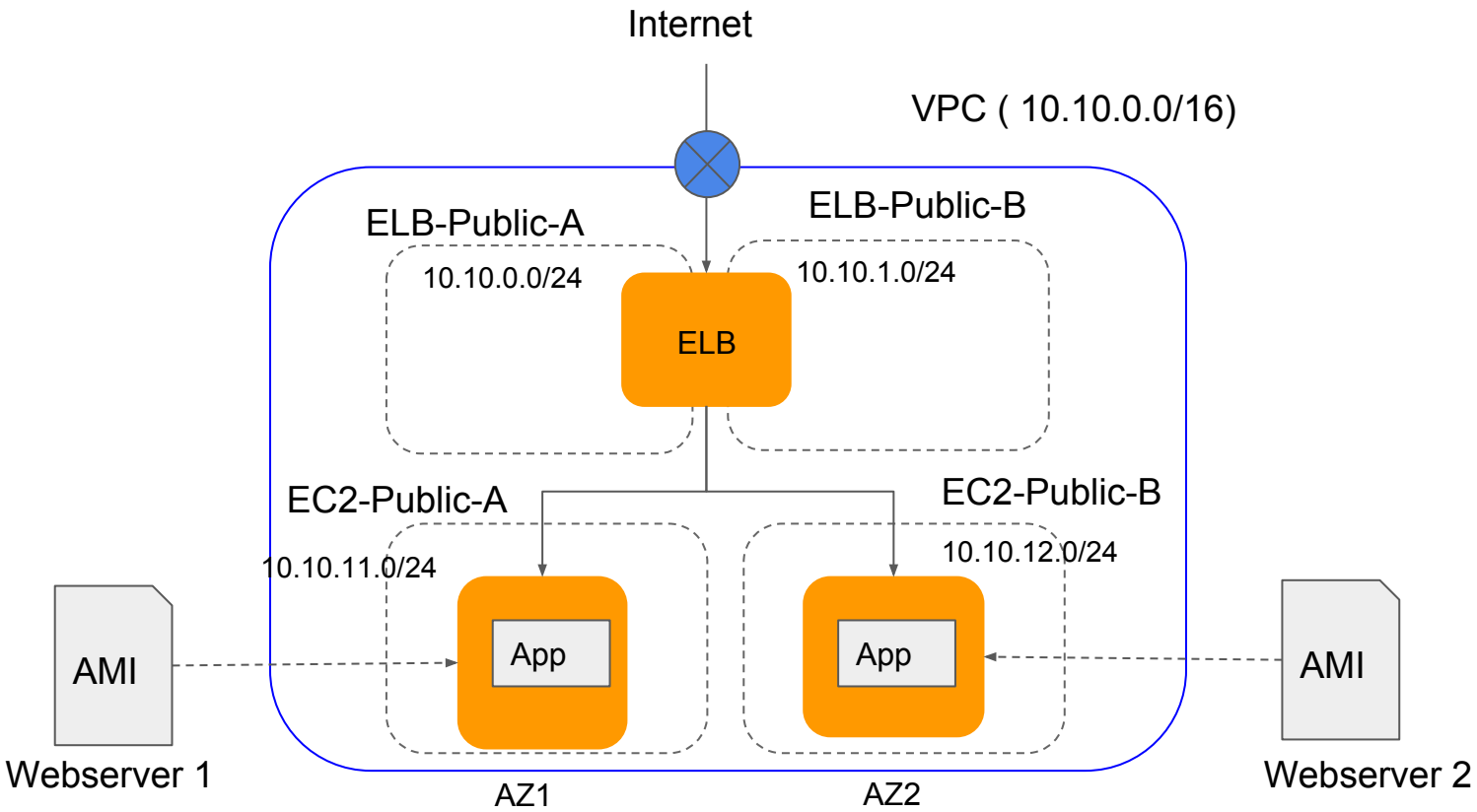
ALB - Path based routing



Steps

- Create VPC, 2 Public Subnets for ELB and 2 Public subnets for EC2
- Launch 2 EC2 instances in subnets
  - Use different subnets in different AZs for these 2 EC2 instances
  - Use userdata from next slide to configure EC2 instances as web servers
  - Allow HTTP (80) port from VPC CIDR only
- Create 2 EC2 Target groups and add these 2 EC2 instances into target group
  - Configure target as port 80 and health check at /hi/index.html and /bye/index.html
- Create Application Load balancer
  - Use 2 public subnets as configured for EC2 instances
  - Configure listener at port 80
  - Configure Security Group and allow port 80
  - Attach to Target group created above
  - Wait for instances to be Healthy in given target group
  - Go to Listener -> View/Edit Rules -> Add rules to forward traffic to respective TG for paths like /hi* and /bye*
- Get the Load Balancer DNS and try to access over internet web.

Userdata for Webserver1:

```
#!/bin/bash
yum install httpd -y
service httpd start
chkconfig httpd on
mkdir /var/www/html/hi
echo "<h1> Hi there..you reached to right backend ec2 </h1>" > /var/www/html/hi/index.html
echo "Configured successfully"
```

Userdata for Webserver2:

```
#!/bin/bash
yum install httpd -y
service httpd start
chkconfig httpd on
mkdir /var/www/html/bye
echo "<h1> Bye from ec2 </h1>" > /var/www/html/bye/index.html
echo "Configured successfully"
```