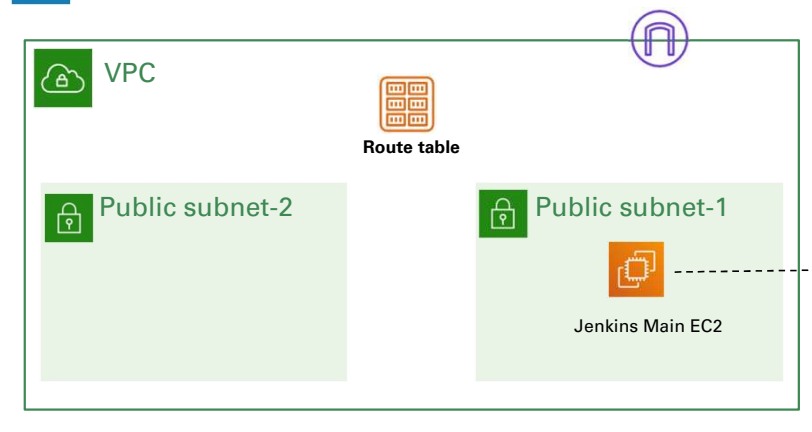


## US-EAST-1



1. Working in two regions (US-East-1 and US-East-2)
2. Deploy VPCs and public subnets as well as security groups.
3. Deploy VPC Pairing between the two VPCs in both regions to support communications between regions we will alter the route tables accordingly.
4. After that we will attach internet gateways to VPCs in both regions to allow EC2 instances that we deploy later on to connect to the internet.
5. Next deploy our EC2 instances which will run our Jenkins main node and Jenkins worker node in separate regions hence making it distributed.
6. Ansible will kick in during this part to install the required software for Jenkins and apply configuration to integrate worker nodes with the main Jenkins node.
7. Up next, we'll put up a Jenkins main node behind an application load balancer and generate an SSL certificate using AWS certificate management service and attach it to our ALB to allow HTTPS traffic.
8. ACM certificate will be verified against a domain name in route53 public hosted zone before it can be functional.
9. Lastly, we'll route our DNS queries via Amazon route 53 domain towards our load balancers DNS name to allow traffic from the outside world.



## US-WEST-2

