Mohamed Hassan

Deploy 5

Kura Labs

**VPC:**

Graphical user interface

Description automatically generated with medium confidence

**Notes:**

-2 AZ Each with a public and private

EC2’s Were created that went into the public and private subnets

There is also a public and private agent for the EC2’s

The Elastic load balancer is how I access Jenkins (Private 01 , Subnet)

-The load balancer communicates with the public Jump Host

Because of that that allows communication with the Private Jump Host

-The private agent has 2 security groups 2,3 2 is the only jump host that has all the ec2’s within the AZ but doesn’t allowed SSH inbound from between

The private agent has 2 security groups

-Jump host is in the public subnet so it doesn’t need the NAT gateway

-Elastic load balancer is towards the private 01 subnet (where Jenkins is)

-The Elastic load balancer is how I access Jenkins (Private 01 , Subnet)

**Security Group A**

Allowed Security group for the load balancer

Allowed inbound SSH

HTTP inbound

**Security Group B**

Allowed SSH from public and inbound traffic from anywhere

Setup the internet not fully secure and outbound from pubic

This security group is for the private ETCs

SSH into my private EC2 from my public and from my Jenkins master/agent

**Security Group C** is for load balancer and inbound 80 traffic

There are 2 Jenkins masters and 2 private subnets just in case one 1 Jenkins master goes down so work doesn’t stop

-Another Jenkins master could be there in standby

Unknown when Jenkins master goes down

Graphical user interface, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated