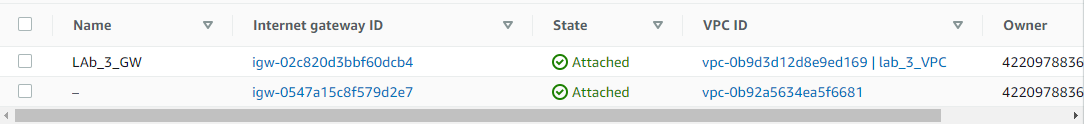
# Text Description automatically generated**Lab\_3**

1. Create vpc, Private subnet, public, subnet ,two route table and internet GW

Graphical user interface, application

Description automatically generatedGraphical user interface

Description automatically generated with medium confidence

2)create jumb-host instance in public subnet and allow ssh connection only using security group

Graphical user interface, application

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Graphical user interface, text, application

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3)create private instance in the private subnet and allow only ssh from jumb\_host 's security group

Graphical user interface, application

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Graphical user interface, text, application

Description automatically generated

4)ssh to jumb\_host , copy pem file and from jumb\_host ssh on private instaText

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Part\_2Diagram

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1) create vpc, subnets, and then create nat and attach it to the two private route table:

Graphical user interface, text, application

Description automatically generated

2)create two nginx instance in public subnets and two apachi in private subnet then check the nginx and apachi servers:

Table

Description automatically generated with medium confidenceGraphical user interface, text, application

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Graphical user interface, text, application

Description automatically generatedGraphical user interface, application

Description automatically generatedGraphical user interface

Description automatically generated

3)create two target group:

Graphical user interface, application

Description automatically generated

4)create application load balancer and net:

Graphical user interface, text, application, email

Description automatically generated

5) configure each nginx servers:  
cd /etc/nginx/sites-available/

sudo vim reverse-apache.conf

server {

listen 80;

location / {

proxy\_pass http://net-LB-8eaa3b45d27e9d2b.elb.us-east-1.amazonaws.com;

}

}

sudo cp reverse-apache.conf /etc/nginx/conf.d/lb.conf

sudo ln -s /etc/nginx/sites-available/reverse-apache.conf /etc/nginx/sites-enabled/reverse-apache.conf

sudo rm /etc/nginx/sites-enabled/default

sudo ufw allow http/tcp

sudo ufw enable

sudo systemctl restart nginx

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated6)check healthy and load balancer