# Option 2: Https
# WebServer

DNS

DNS-internal

Amazon VPC

ALB External

VPC NAT gateway EIP:

Route Table: 0.0.0.0/0 igw

SG:
Inbound: 80/443 - 0.0.0.0/0

Public Subnet same AZs

Route Table: 0.0.0.0/0 NAT

ALB Internal

network access control list

Private Subnet

Internet gateway

Listeners
80/443
SSL
+
Health check

NACL (Inbound/ Outbound):
100  80     0.0.0.0/0      ALLOW
110  443    0.0.0.0/0      ALLOW
*    ALL    0.0.0.0/0      DENY

Instances-az1

Instances-az2

SG:
default SG of the host and LB

**Private Subnet**

network access control list
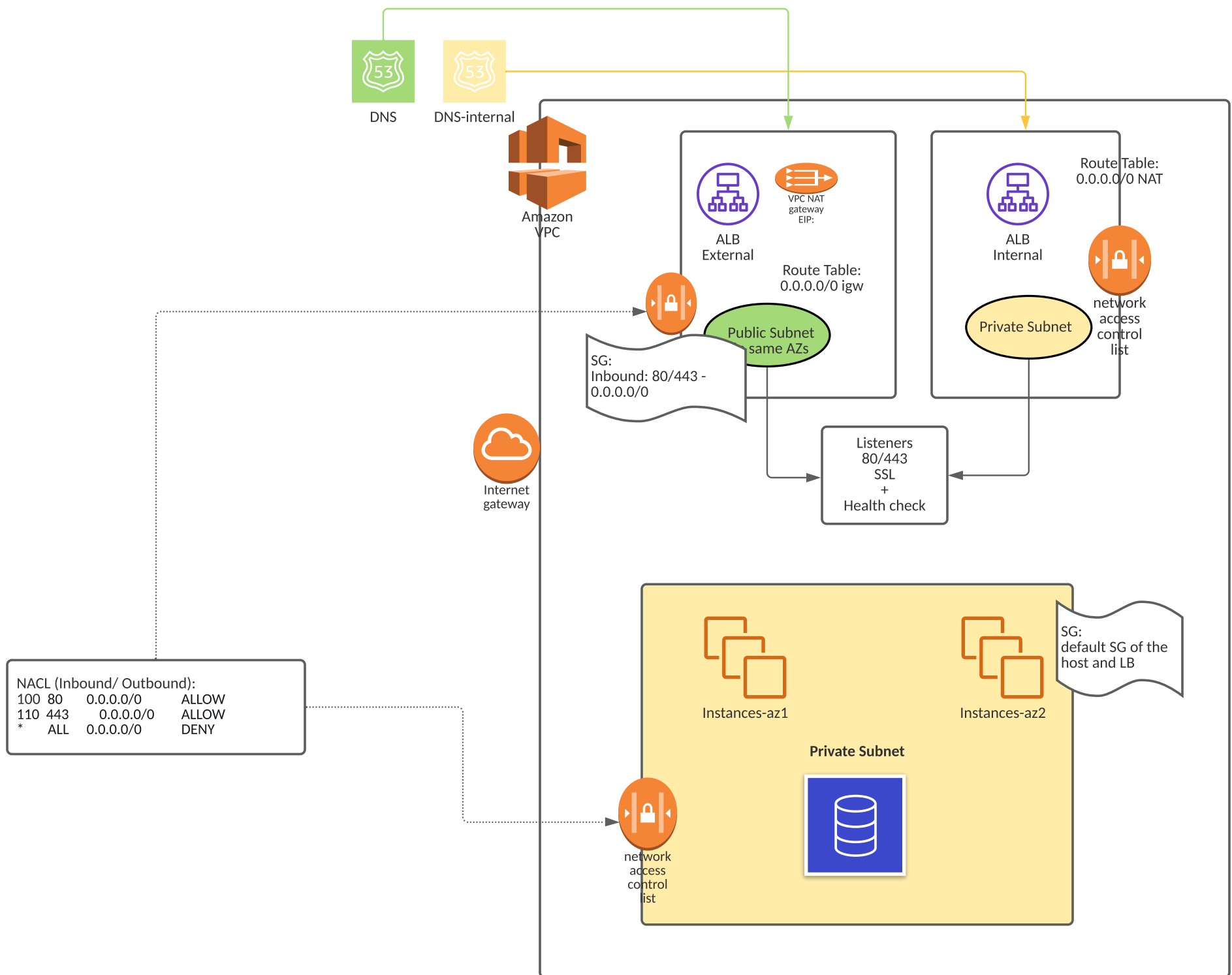
Docker File:
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FROM python:3.6 # or go with light weight version
COPY <flask app dir>
WORKDIR /flask-web-server
RUN pip3 install -r requirements.txt
EXPOSE 80 443
ENTRYPOINT ["python"]
CMD ["main.py"]

Build the Docker image where your docker file is:
docker build -t <image_name> .

Run the docker image:
docker run -dit  --name <container_name> -p 443:443 <image_name>