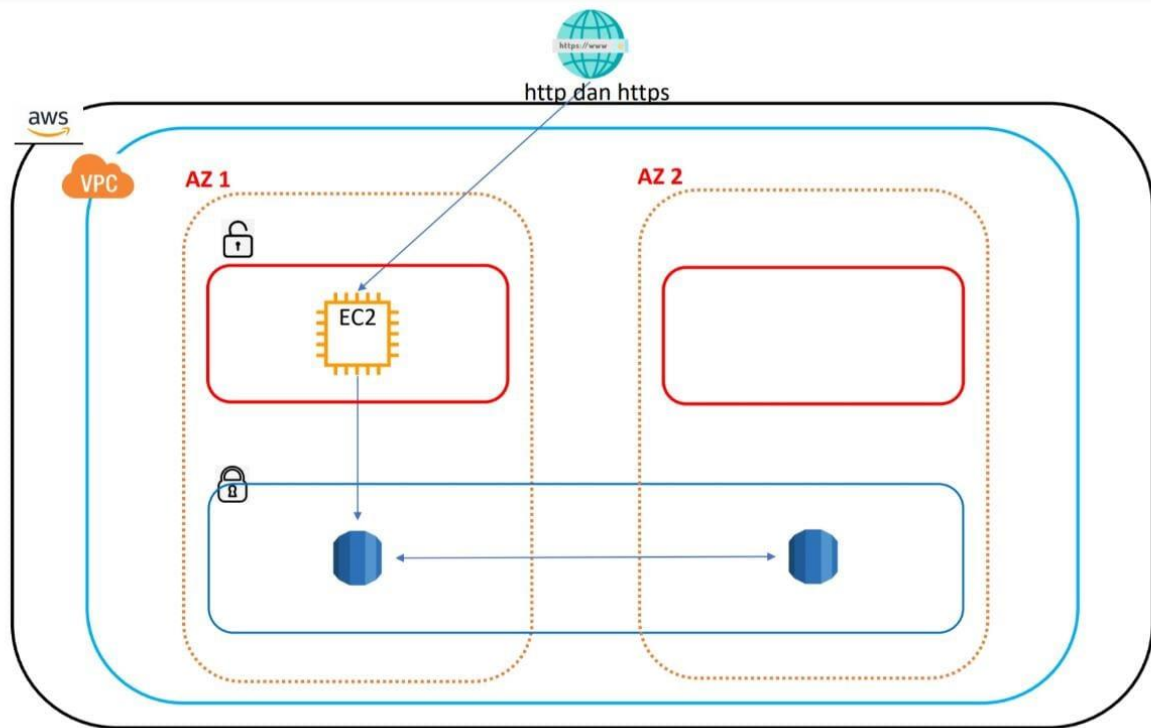


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Topology AWS



LANGKAH-LANGKAH

- ## 1. Membuat VPC

- Nama = Project2
- Ipv4 CIDR = 192.168.1.0/24
- Number of AZ = 2
- Public Subnet 1 = 192.168.1.0/26
- Public Subnet 2 = 192.168.1.128/26
- Private Subnet 1 = 192.168.1.64/26
- Private Subnet 2 = 192.168.1.192/26
- NAT Gateway = in 1 AZ
- VPC Endpoint = none

VPC settings

Resources to create [Info](#)
Create only the VPC resource or the VPC and other networking resources.

☐ VPC only
☒ VPC and more

Name tag auto-generation [Info](#)
Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.

☒ Auto-generate

project2

IPv4 CIDR block [Info](#)
Determine the starting IP and the size of your VPC using CIDR notation.

192.168.1.0/24
256 IPs

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block
☐ Amazon-provided IPv6 CIDR block

Tenancy [Info](#)

Default ▼

Number of Availability Zones (AZs) [Info](#)
Choose the number of AZs in which to provision subnets. We recommend at least

Number of public subnets [Info](#)

The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.

0	2
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Number of private subnets [Info](#)

The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

0	2	4
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▼ Customize subnets CIDR blocks

Public subnet CIDR block in us-east-1a

192.168.1.0/26	64 IPs
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Public subnet CIDR block in us-east-1b

192.168.1.128/26	64 IPs
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Private subnet CIDR block in us-east-1a

192.168.1.64/26	64 IPs
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Private subnet CIDR block in us-east-1b

192.168.1.192/26	64 IPs
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NAT gateways (\$) [Info](#)

Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway.

None	In 1 AZ	1 per AZ
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VPC endpoints [Info](#)

Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.

None	S3 Gateway
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2. Membuat Subnet Groups RDS Buka RDS di Service lalu klik Subnet Groups.
Nama = rdssg, Description = oke (bebas), VPC = VPC MU. Lalu isi kolom seperti dibawah ini

Add subnets

Availability Zones

Choose the Availability Zones that include the subnets you want to add.

Choose an availability zone ▼

us-east-1a ✕

us-east-1b ✕

Subnets

Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

Select subnets ▼

subnet-0fad3bb6877ccd184 (192.168.1.192/26) ✕

subnet-04d4c9e403032d120 (192.168.1.64/26) ✕

Subnets selected (2)

Availability zone	Subnet ID	CIDR block
us-east-1b	subnet-0fad3bb6877ccd184	192.168.1.192/26
us-east-1a	subnet-04d4c9e403032d120	192.168.1.64/26

3. Membuat RDS

- Engine = MySQL
- Templates = Free tier
- DB instance identifier = dbkhanza
- Master username = admin
- Master password = admin123
- Connectivity
- VPC = VPC Mu
- Existing VPC security group = sgdebian
- Availability Zone = us-east-1a
- Additional Configuration
- Disable Automated Backups
- Disable Encryption

4. Membuat Instance

- Name = WebServer
- OS = Ubuntu
- Key pair = Buat baru / vockey (lek ak buat baru jeff.ppk)
- VPC = (VPC Mu)
- Subnet = Subnet Public us-east-1a
- Public ip = Enable
- Security group name = sgubuntu
- Group Rule 1 = Type = SSH, Source Type = Anywhere
- Group Rule 2 = Type = HTTP, Source Type = Anywhere
- Group Rule 3 = Type = MYSQL/Aurora, Source Type = Anywhere
- Configure storage = add new volume ebs 1x 1 GiB

5. Masuk Putty

- Login ubuntu
- sudo su
- apt update
- apt upgrade
- apt install apache2
- cd /var/www/html
- rm index.html
- apt install php
- apt install php-curl php-mbstring php-intl php-opcache php-soap php-gd php-xml php-mysqli
- apt install git
- apt install default-mysql-server
- cd /var/www/html
- ls
- git clone (website mu)
- git clone (sql mu)
- cd (direktori websitemu)
- ls
- chmod 777 images

- nano koneksi.php
- 'Endpoint Mu','admin','admin123','wcrud'
- cd /etc/apache2
- ls
- cd sites-available
- nano 000(tab)
- DocumentRoot /var/www/html/direktori mu
- systemctl restart apache2
- mysql -h (endpoint RDS) -u admin -p
- pass = admin123
- create database wcrud;
- show databases;
- use wcrud
- source /var/www/html/sql/wcrud.sql

bila cara diatas Anda kurang paham Anda bisa mengunjungi channel youtube guru saya (tetapi ada sedikit perbedaan diantara cara kami berdua) berikut link nya =

<https://youtu.be/OCx85KF3x18>