

AWS Solution Architect Training

Day 1 Review

Instructor: Tim Platt, Cloud Solution Architect

Which one is the correct hierarchy for Regions and Availability Zones (AZ)?

- A. 1 Availability Zone is made up of 3 or more Regions
- B. 1 Region has exactly 1 Availability Zone
- C. 1 Region is made up of 3 or more Availability Zones

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Up to how far apart are these AZs?

- A. 1 mile
- B. Separated by a meaningful geographic distance – but not more than 100 km / 60 miles
- C. 60 miles
- D. 100 miles

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What is the best description of EC2 ?

- A. Virtual Servers (Virtual Machines) running in the cloud (on Physical Hardware in AWS data centers)
- B. Serverless compute used for running Docker containers
- C. On Demand compute specifically engineered for batch computing jobs
- D. Serverless Functions (Functions as a Service or FaaS)

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In EC2 – When is “User Data” run?

- A. Every time you boot the machine
- B. Every time a user logs in to the machine
- C. Only on the initial “Launch” of the instance
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Oops ... your t3.medium EC2 instance isn't powerful enough – what can you do?

- A. Terminate it and start over with a bigger instance type like a t3.micro
- B. Terminate it and start over with a bigger instance like an t3.xlarge
- C. Stop the machine, change the instance type to t3.xlarge, and Start the machine again
- D. Close your AWS account and start over with a new one

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Which of the following are features of EBS?

- A. You choose SSD type or HDD type
- B. You can make volumes bigger (or change the type) later
- C. They are automatically backed up every 5 minutes
- D. You can use “snapshots” to make point-in-time backup of the volume and restore it to a new volume
- E. The EBS service uses 3 redundant storage devices in 3 different AZs for each volume
- F. You can easily shrink a volume and make it smaller

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- E. The EBS service uses 3 redundant storage devices in 3 different AZs for each volume – (3 copies are in **SAME AZ**)
- F. You can easily shrink a volume and make it smaller

What is a VPC?

- A. An encrypted network tunnel between two sites used to transmit information securely over the internet
- B. A virtual network in the AWS cloud
- C. A virtual network card used by our virtual servers

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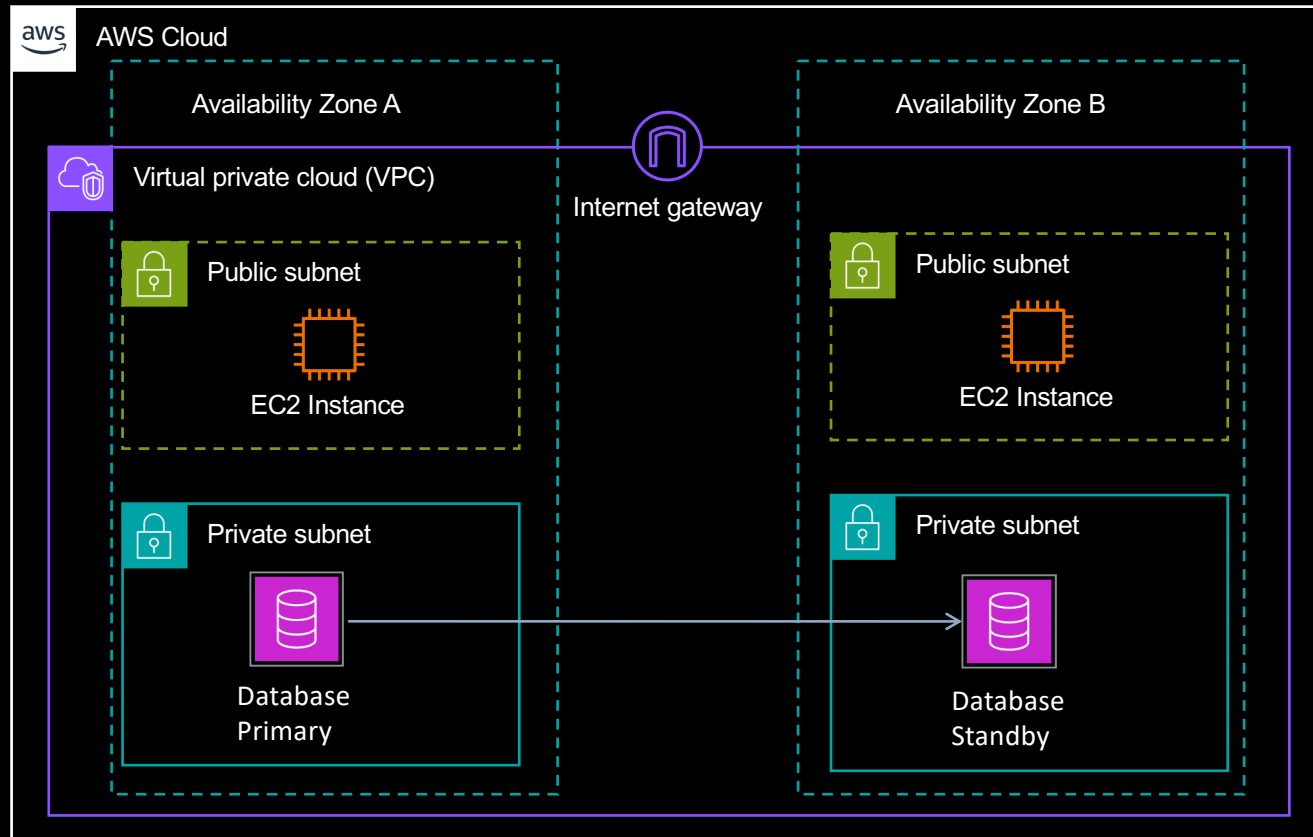
Where should I put my SQL Database?

- A. In a VPC
- B. In a Public Subnet
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A simple VPC based on best practices



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- A. Security Group
- B. Internet Gateway
- C. Network ACL
- D. ELB
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Which of the following are valid types of Elastic Load Balancer (ELB)?

- A. TLB – TCP/IP Load Balancer
- B. ALB – Application Load Balancer
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**I want to have a dynamic number of web servers for my app
– which of the following components do I need?**

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- B. S3 Bucket
- C. Launch Template
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An EC2 instance has been terminated in my account, which service can I use to figure out who did it?

- A. CloudWatch
- B. EC2
- C. EBS
- D. CloudTrail

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Which CIDR has MORE IP addresses?

A. 192.168.0.0/20

B. 192.168.0.0/24

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REMEMBER: <https://cidr.xyz>

Which TWO statements about Amazon Machine Images (AMI) and Launch Template are correct?

- A. AMI includes an image of the root volume and the OS files that the machine will boot from
- B. Launch Template includes an image of the root volume and the OS files that the machine will boot from
- C. AMI includes additional settings used by the ASG when it has to create new instances – like the User Data, Subnet, Key Pair, etc.
- D. Launch Template includes additional settings used by the ASG when it has to create new instances – like the User Data, Subnet, Key Pair, etc.

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Did you have fun?

A. Yes

B. Yes !!!!

C. No