

# Section 1 - 2

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2019.11.27. Wed.



## 3. The exam blueprint

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- 130분
- 60문항
- Multiple choice
- 720 점 이상 PASS : 100 ~ 1000
- 유효기간 2년

## 4. The history of AWS

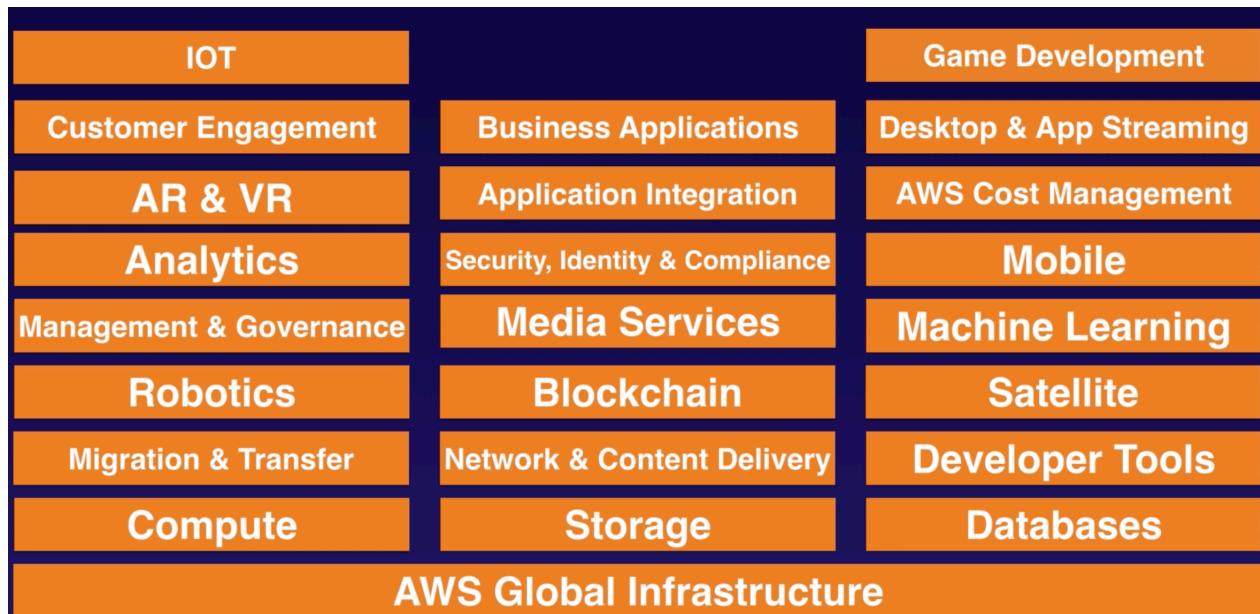
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- **2003** : Chris Pinkham & Benjamin Black present a paper on what Amazon's own internal infrastructure should look like. They suggested selling it as a service and prepared a business case.
- **2004** : SQS officially launched. (queue service or message service and allows you to decouple your infrastructure)
- **2006** : AWS Officially launched.
- **2007** : over 180,000 developers on the platform.
- **2010** : all of amazon.com moved over aws.
- **2012** : First re:Invent Conference.
- **2013** : Certifications Launched.
- **2014** : Committed to achieve 100% renewable energy usage for its global footprint.
- **2015** : AWS breaks out its revenue : \$6 B per annum and growing close to 90% on year
- **2017** : Run rate of \$13B.
- **2017** : AWS re:invent releases a host of AI services. Run rate hits \$27 B.
- **2018** : AWS launch ML Specialty Certs. Heavy focus on automating AI & ML.
- **2019** : Alexa Specialty Beta Cert. launched. 10 Certs!

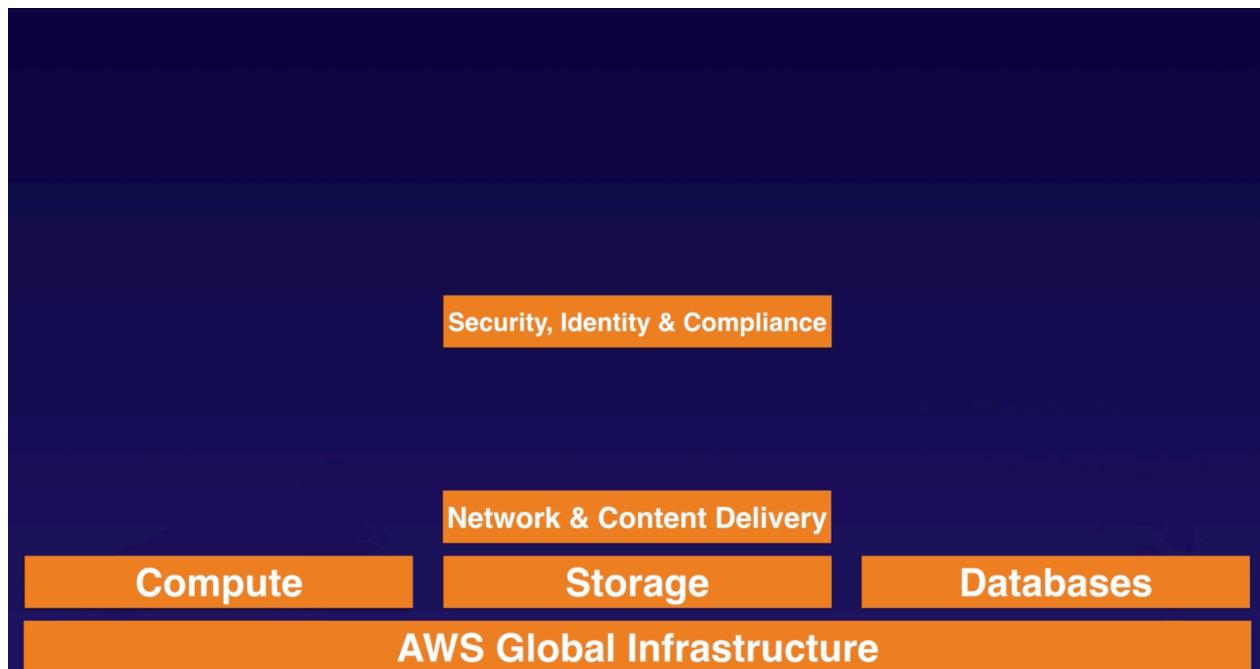
## 5. AWS - 10,000 Foot Overview

모든 서비스를 일일히 말하는건 SAA 준비에 도움이 되지 않는다. (ex Amazon Connect, Pinpoint , Deeplens, ...)

→ High level services : Compute, storage, databases, migration and transfer etc..



What do I need to know to pass my SAA exam?



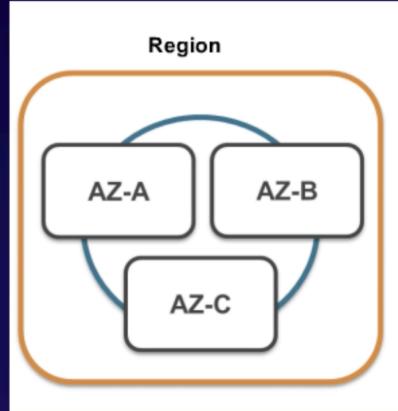
Region, availability zone and edge location



## Think of an Availability Zone As A Data Center



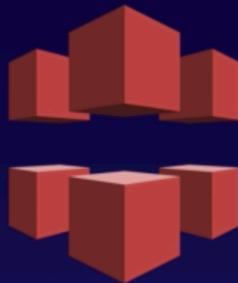
An Availability may be several data centres, but because they are close together, they are counted as 1 Availability Zone.



**A Region is a geographical area. Each Region consists of 2 (or more) Availability Zones.**

#### Edge Locations

 A CLOUD GURU



**Edge Locations are endpoints for AWS which are used for caching content. Typically this consists of CloudFront, Amazon's Content Delivery Network (CDN)**

**There are many more Edge Locations than Regions.  
Currently there are over 150 Edge Locations.**

edge location is not a region. It's actually just a sort of a smaller location that aws has, and it is used for caching content.

## Asia Pacific



### Asia Pacific (Singapore) Region

EC2 Availability Zones: 3  
Launched 2010

### Asia Pacific (Seoul) Region

EC2 Availability Zones: 2  
Launched 2016

### Asia Pacific (Tokyo) Region

EC2 Availability Zones: 4\*  
Launched 2011

### Asia Pacific (Mumbai) Region

EC2 Availability Zones: 2  
Launched 2016

### Asia Pacific (Osaka) Local Region<sup>1</sup>

EC2 Availability Zones: 1  
Launched 2018

### China (Beijing) Region

EC2 Availability Zones: 2  
[Learn more at www.amazonaws.cn](http://www.amazonaws.cn)

### Asia Pacific (Sydney) Region

EC2 Availability Zones: 3  
Launched 2012

### China (Ningxia) Region

EC2 Availability Zones: 3  
[Learn more at www.amazonaws.cn](http://www.amazonaws.cn)

### AWS Edge Network Locations

Edge locations - Bangalore, India; Chennai, India (2); Hong Kong SAR, China (3); Hyderabad, India (2); Kuala Lumpur, Malaysia; Manila, the Philippines; Melbourne, Australia; Mumbai, India (2); New Delhi, India (3); Osaka, Japan; Perth, Australia; Seoul, Korea (4); Singapore (3); Sydney, Australia; Taipei, Taiwan (3); Tokyo, Japan (9)

Regional Edge Caches - Mumbai, India; Seoul, Korea; Singapore; Sydney, Australia; Tokyo, Japan

\*New customers can access three EC2 Availability Zones in Asia Pacific (Tokyo).

## abstract.

- Region : physical location in the world which consists of two or more AZ.
- AZ : one or more discrete data centers, each with redundant power, networking and connectivity, housed in separate facilities.
- Edge Locations : endpoints for AWS which are used for caching content. Typically this consists of CloudFront, Amazon's Content Delivery Network (CDN).

## Section 2 QUIZ

질문 1:

What is an Amazon VPC?

Virtual Public Compute

Virtual Private Cloud

Virtual Public Cloud

Virtual Private Compute

Amazon VPC는 Amazon EC2의 네트워킹 계층입니다.

질문 2:

An AWS VPC is a component of which group of AWS services?

Global Infrastructure

Database Services

Networking Services

Compute Services

질문 3:

What does an AWS Region consist of?

A console that gives you a quick, global picture of your cloud computing environment.

A collection of databases that can only be accessed from a specific geographic region.

A collection of data centers that is spread evenly around a specific continent.

A distinct location within a geographic area designed to provide high availability to a specific geography.

질문 4:

Which statement best describes Availability Zones?

A Content Distribution Network used to distribute content to users.

Restricted areas designed specifically for the creation of Virtual Private Clouds.

Two zones containing compute resources that are designed to automatically maintain synchronized copies of each other's data.

Distinct locations from within an AWS region that are engineered to be isolated from failures.

질문 5:

What is an AWS region?

- A region is an independent data center, located in different countries around the globe.
- A region is a geographical area divided into Availability Zones. Each region contains at least two Availability Zones.
- A region is a collection of Edge Locations available in specific countries.
- A region is a subset of AWS technologies. For example, the Compute region consists of EC2, ECS, Lambda, etc.

질문 6:

Which of the following is correct?

- # of Regions > # of Availability Zones > # of Edge Locations
- # of Availability Zones > # of Regions > # of Edge Locations
- # of Edge Locations > # of Availability Zones > # of Regions
- # of Availability Zones > # of Edge Locations > # of Regions

질문 7:

In which of the following is CloudFront content cached?

- Availability Zone
- Region
- Edge Location
- Data Center