AWS Introduction

AWS Region and Availability zone

An AWS region is a geographical location with a collection of availability zones mapped to a physical data center in that region. Each region operate independent of one of another, they have each of their own power, water supply, etc. This means that if one region fails it won't impact the other.

Regions are available world wide with more regions coming soon. There are regions in US of course, Asia, Europe, and Australia.

Within each region it contains at least two availability zones which is the actual physical data center, each zone doesn't necessarily mean it is backed by exactly one physical data center, each zone might be backed by one or more physical data center. Each zone is a region also have redundant and separate power, networking to prevent the likelihood of two zones failing simultaneously. **Hence, data for each region are replicated within each availability zone.**

Basically, AWS divide up the service places into regions, which are collection of availability zones. Each region contain multiple availability zones to have redundancy. Regions exist so that they operate independent of each different regions.

AWS resources

aws.amazon.com/documentation: Summary information about each of the product in AWS

aws.amazon.com/whitepapers: Discuss technical issues and use cases for AWS

aws.amazon.com/products: Main product of AWS

aws.amazon.com/new: Latest things occurring in AWS

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