

Xerris Bootcamp Series

Welcome To The Cloud



ACCOLITE DIGITAL
Transforming The Future, Now

Welcome to the Cloud

Boot Camp Agenda

1. Welcome to the Cloud
2. Introduction to Microservices
3. Introduction to AWS DynamoDB
4. Infrastructure As Code and Build Pipelines
5. Introduction to AWS SQS
6. Introduction to AWS SNS
7. Introduction to Test Automation
8. Test Automation with Mocks
9. Student Project



What is the Cloud



Amazon AWS

Amazon AWS, a subsidiary of Amazon providing customer with on-demand cloud computing services



AWS is the largest cloud provider in the world
AWS Grows 17% annually.

AWS has the most services of all cloud providers.
AWS has the largest community of customers and partners

AWS has the fastest pace of innovation

AWS has a proven operational model



AWS Global Regions



AWS is global, having **REGIONS** all over the world.

A **REGION** is a physical data center in a separate geographical area

REGIONS consist of 2 or more

AVAILABILITY ZONES

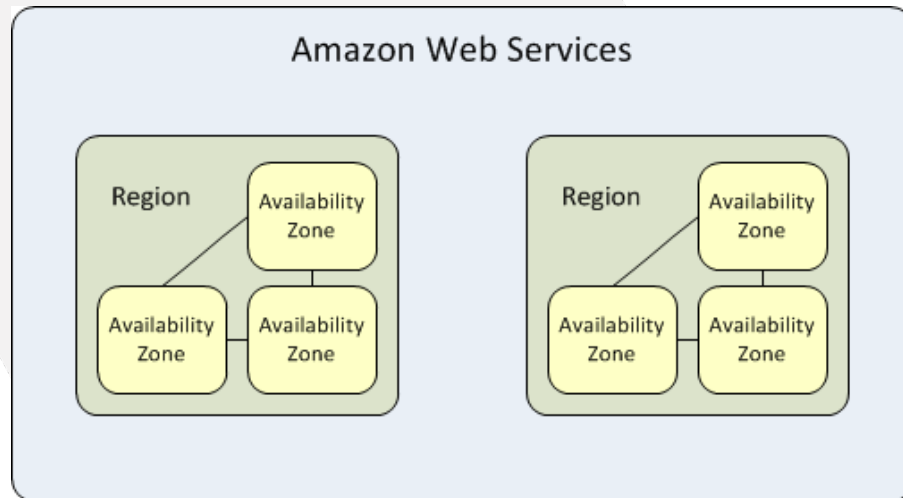
AVAILABILITY ZONES are physical data centers within that **REGION**

AWS is building a new region in

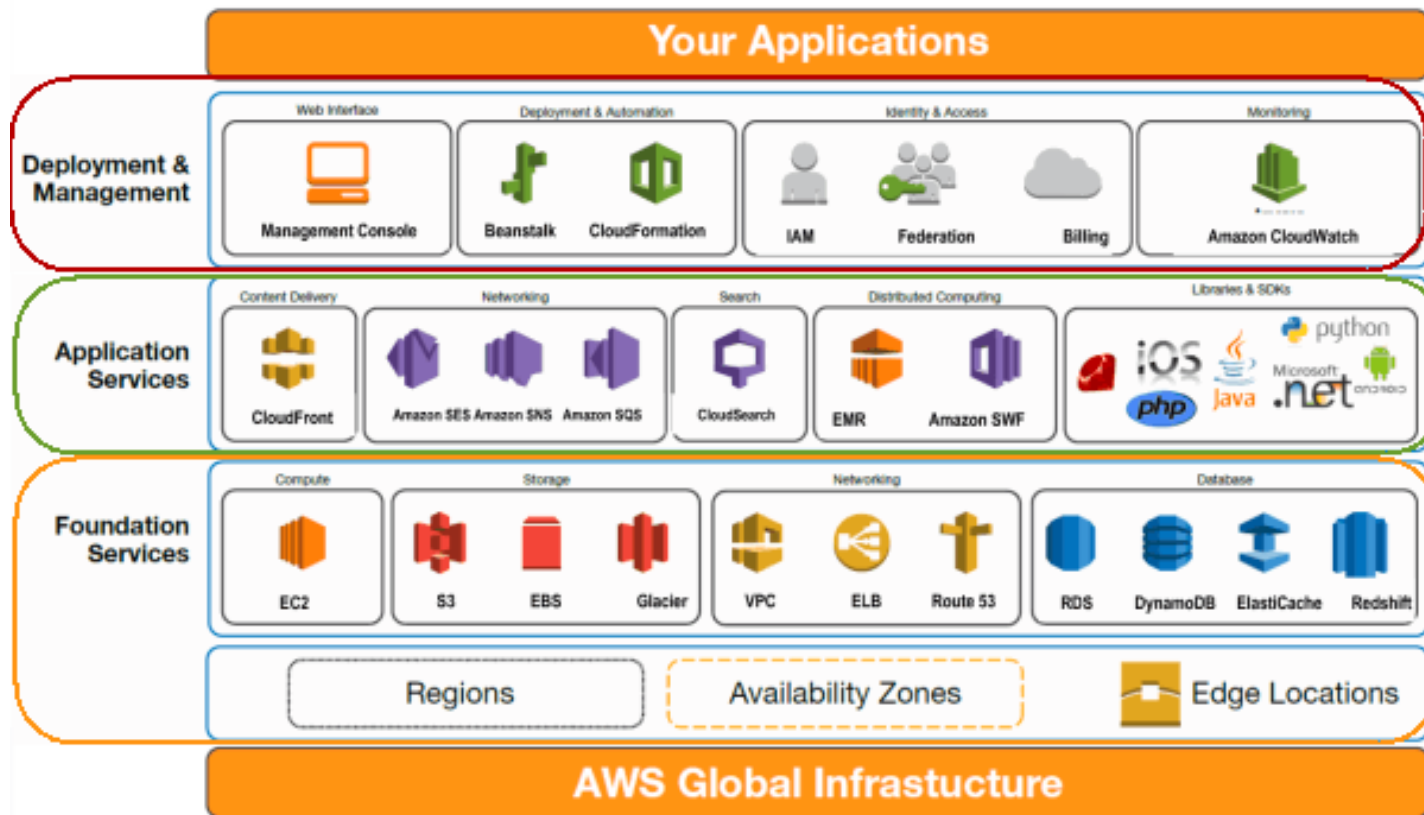
CALGARY in 2025, and **XERRIS** was mentioned in the announcement.

Availability Zones

- **Regions** consist of multiple availability zones to provide high availability (HA)
- High Availability aims to meet an agreed level of operational performance, known as **UPTIME**.
- You provision your infrastructure and services over multiple AZs to prevent unplanned outages.



Amazon AWS



Availability Zones

AWS provides certifications for individuals who want to work in this field.

Certifications Include

- AWS Certified Solutions Architect (associate, professional).
- AWS Certified Developer Associate
- AWS Certified SysOps Administrator (associate, professional).

Xerris is an Advanced AWS Partner

- Xerris staff are encouraged to pursue one of the AWS certification paths.
- Xerris has over 70 certified AWS practitioners.



Demonstrations

- AWS Free Tier Registration
- Visual Studio Code & Simple HTML Site
- S3 Buckets and Static Website Hosting

