

# AWS Certified Solutions Architect — Associate (SAA-C01)

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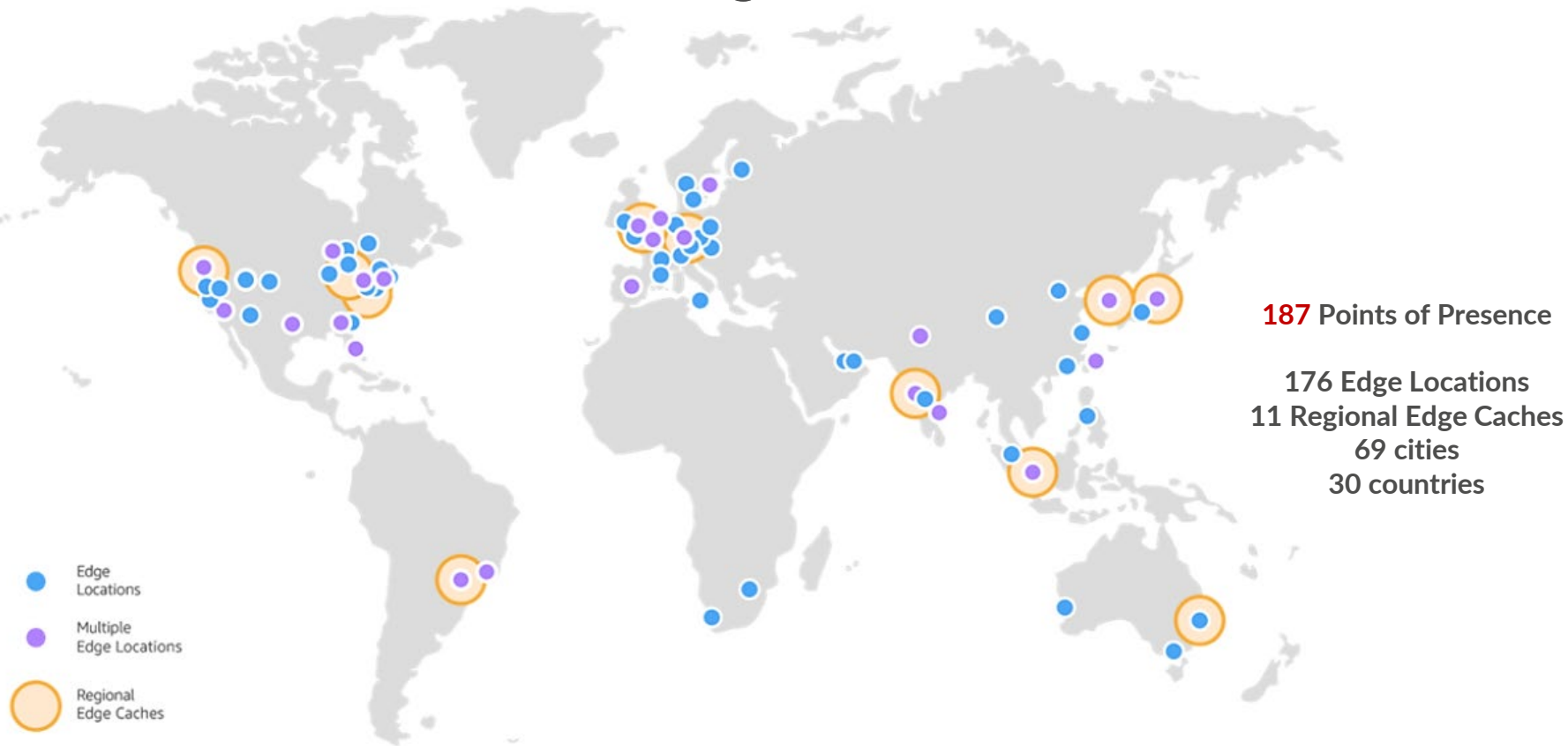
# Module 12

## Elastic Beanstalk & CloudFront

# Agenda

- CloudFront
- Elastic Beanstalk
- Labs
- Q & A

# AWS Edge Locations



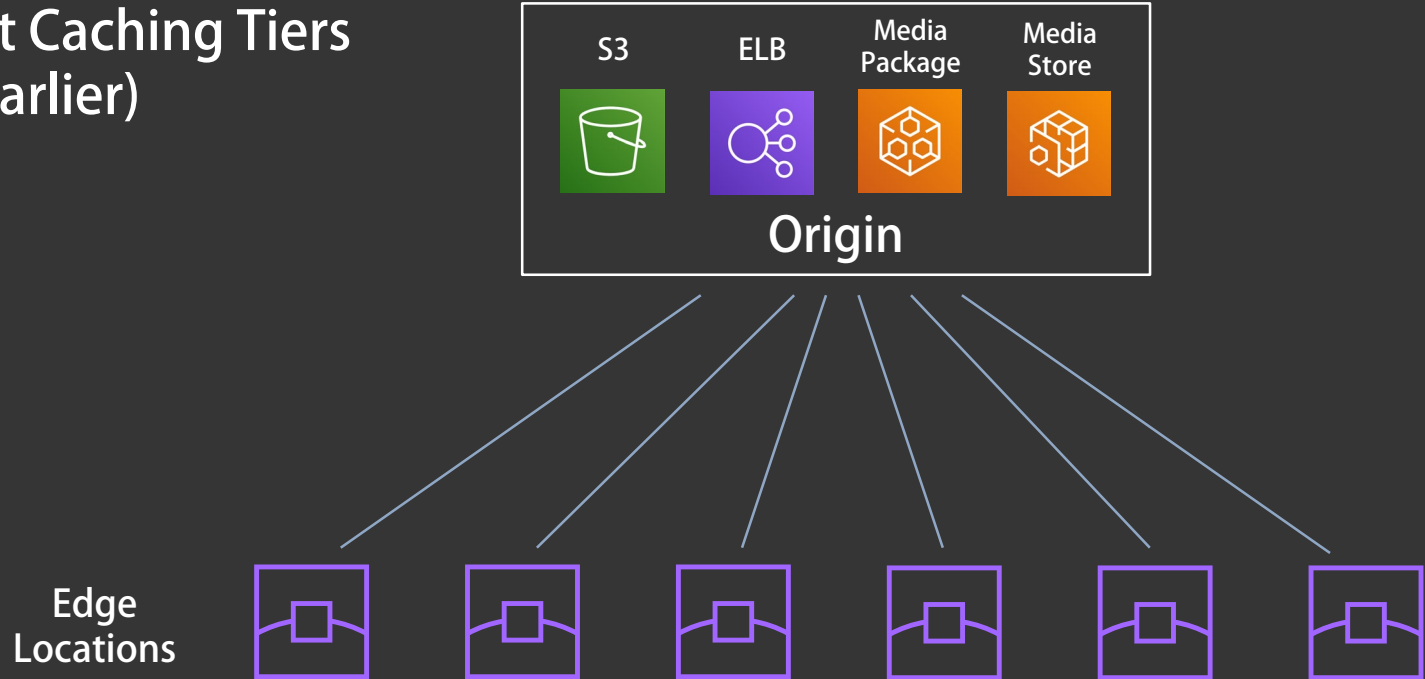
# CloudFront

## Global Content Delivery Network

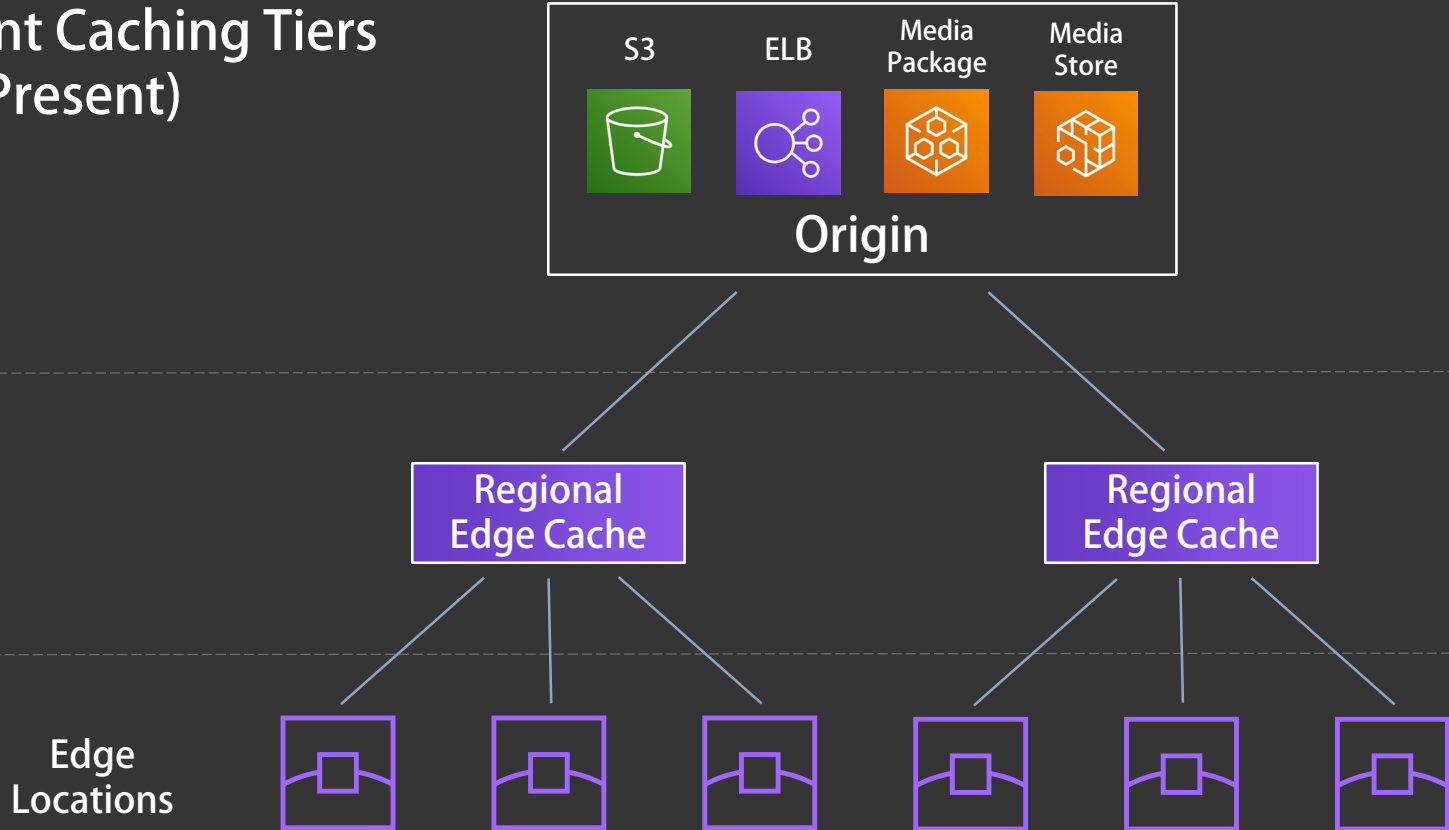
- Distribute content with low latency, high transfer speeds, and no commitments
- 185+ edge locations
- Simple integration with AWS services
- Static and dynamic content
- Advanced CDN features like SSL support, geographic restriction, and private content



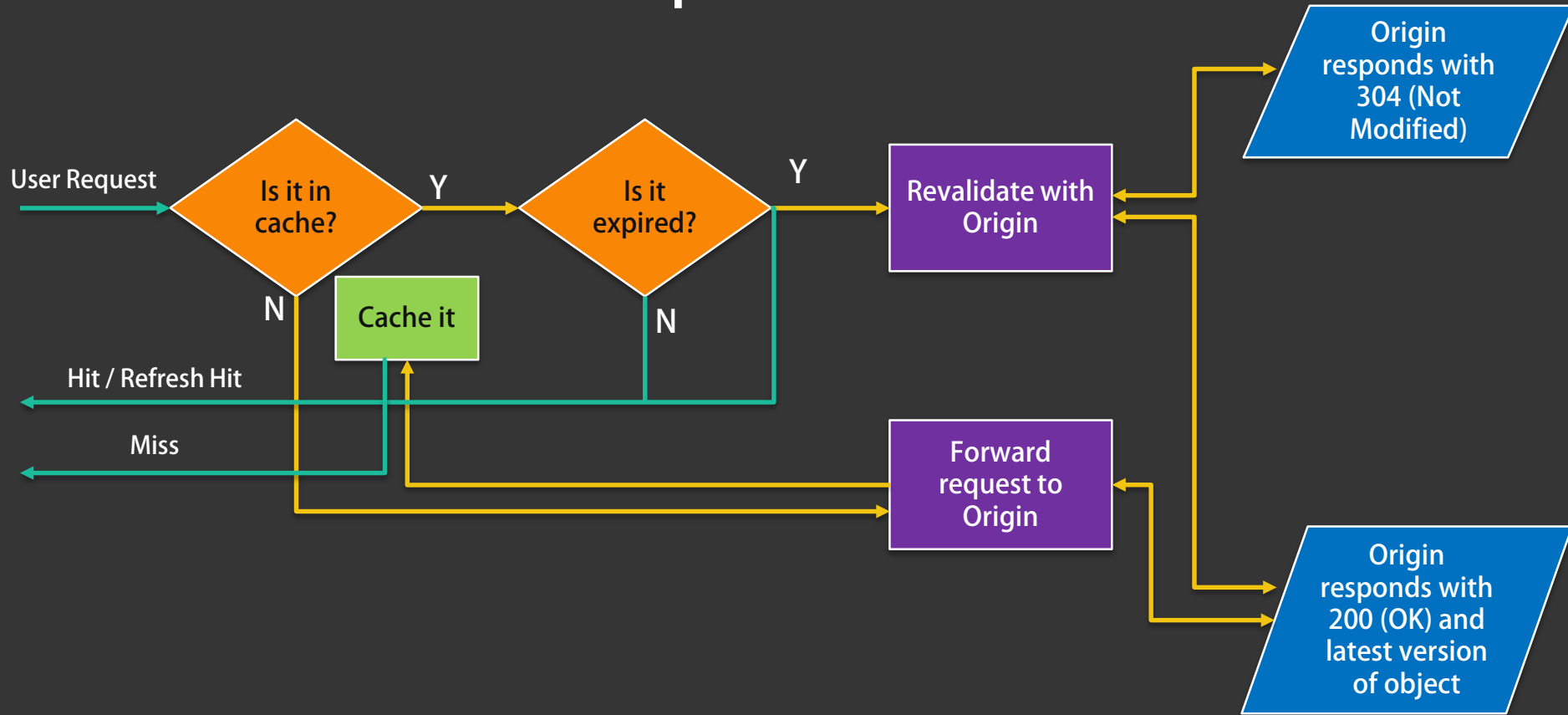
# CloudFront Caching Tiers (Earlier)



# CloudFront Caching Tiers (Present)



# Request Flow





# Elastic Beanstalk

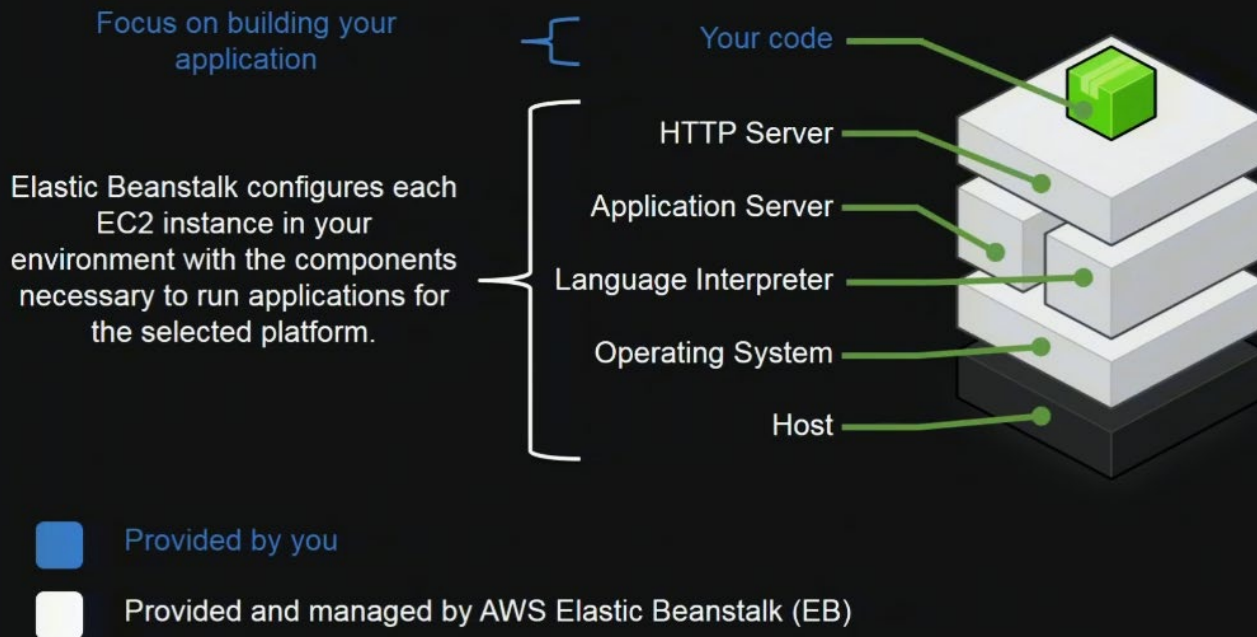
## Run and Manage Web Apps

- Ideal for developers that simply want to upload their code and have the service manage the rest.
- Supports Docker, Java, .NET, Node.js, PHP, Python, Ruby, and Go.
- Automatically handles deployment, load balancing, auto-scaling, and application health monitoring.
- Retain full control over the AWS resources powering your application.



# AWS Elastic Beanstalk vs. Do It Yourself

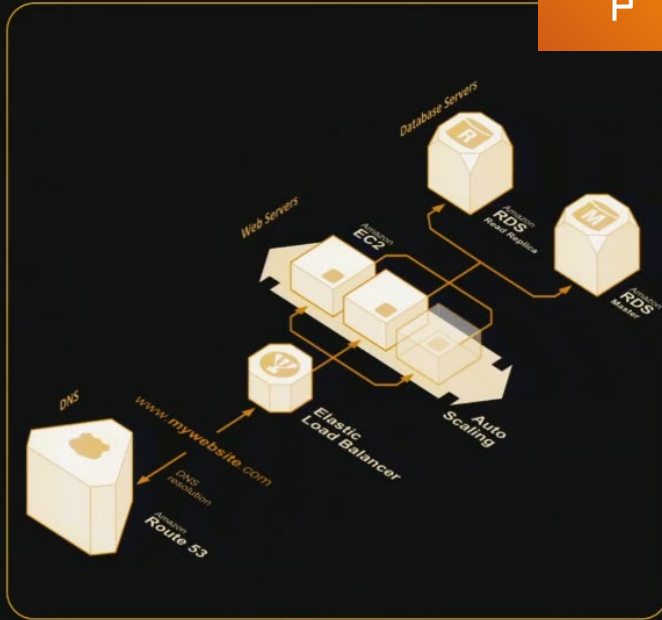
## On-instance configuration



# AWS Elastic Beanstalk vs. Do It Yourself

## Infrastructure stack

- Preconfigured Infrastructure
  - Single Instance (Dev, Low Cost)
  - Load Balanced, Auto Scaling (Production)
- Web & Worker tiers
- Elastic Beanstalk provisions necessary infrastructure resources such as the load balancer, Auto Scaling group, security groups, database (optional), etc.
- Provides a unique domain name for your application (e.g.: youapp.regionx.elasticbeanstalk.com)



# Information required to deploy application

