



Exam Prep for AWS Certified Solutions Architect - Associate

Domain 1 - Organizational Complexity

[IAM Documentation / Service Matrix](#)

[AWS Directory Services](#)

[Direct Connect Gateway DXGW](#)

[Organizations and SCPs](#)

Domain 2 - Design for New Solutions

[Autoscaling with SQS](#)

[Origin Access Identities OAI](#)

[Optimizing S3 Performance](#)

[AWS Blog Post: DynamoDB DAX In memory caching](#)

[DynamoDB Best Practices](#)

[DynamoDB Autoscaling](#)

[CloudFront Trusted Signer](#)

[CloudFront Creating KeyPairs](#)

[CloudFront Behaviors](#)

[CloudFront Sample Code Signing URLs](#)



CloudFormation: Mappings

CloudFormation: Pseudo-Parameters

CloudTrail: Log File Integrity Validation

Elastic Beanstalk Additional Batch Capabilities

Elastic Beanstalk Rolling Deployments

Domain 3 - Migration Planning

S3 LifeCycle Management

Database Migration Service with Verizon

Schema Conversion Tool for Validating Objects

Domain 4 - Cost Control

CodeDeploy and Load Balancer Capabilities

CodeDeploy and AutoScaling

Limits for VPC

Limits for IAM

CloudWatch Events

Domain 5 - Continuous Improvement for Existing Solutions

AWS WAF, Shield

Encryption Data at Rest



S3 Encryption

EBS Encryption

Redshift Encryption

RDS Encryption

Helpful Session Videos

For a video from the 2015 re:Invent entitled "Scaling Up to Your First 10 Million Users", see <https://www.youtube.com/watch?v=vg5onp8TU6Q>

For a video from the 2014 re:Invent entitled "Scalable Game Architectures That Don't Break the Bank", see <https://www.youtube.com/watch?v=pGO8dfO87xc>

For best practices in architecting for the cloud, see https://media.amazonwebservices.com/AWS_Cloud_Best_Practices.pdf.

Database Migration Service with Verizon

AWS and Third-Party Tools

AWS CLI -- Command Line Interface

AWS CLI v2 -- A version 2 update, makes SSO easier.

AWS CDK -- Cloud Development Kit (CloudFormation via TypeScript)

AWS ECS CLI -- AWS ECS CLI v2

AWS SAM -- Serverless Application Model (CloudFormation for Serverless Apps)

AWS SAM CLI Toolkit -- CLI tool for using SAM

Serverless Framework -- Third Party Serverless CLI tool