



AWS Architect Associate Certification Study Guide

AWS Certified Solutions Architect – Documentation



- AWS Certified Solutions Architect - Associate
 - <https://aws.amazon.com/certification/certified-solutions-architect-associate/>
- AWS Certified Solutions Architect – Study Guide
 - https://d1.awsstatic.com/training-and-certification/docs-sa-assoc/AWS_certified_solutions_architect_associate_blueprint.pdf
- AWS Certified Solutions Architect – Sample Questions
 - http://awstrainingandcertification.s3.amazonaws.com/production/AWS_certified_solutions_architect_associate_exam_sample.pdf

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AWS Certified Solutions Architect – Documentation



- AWS Quick Starts
 - <https://aws.amazon.com/quickstart/>
- Self Paced Labs
 - https://aws.amazon.com/training/self-paced-labs/?nc2=h_l2_tr
- AWS Documentation
 - <https://aws.amazon.com/documentation/>
- AWS Discussion Forums
 - https://forums.aws.amazon.com/index.jspa?nc2=h_l2_su



- AWS Component
 - Regions and Zones
- Read FYI, documentation, or watch video
 - <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.RegionsAndAvailabilityZones.html>
 - <https://docs.aws.amazon.com/acm/latest/userguide/acm-regions.html>
- Setup component
 - Open EC2, CloudFront, and S3 to see the change from Region to Global location (Edge)

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- Learn AWS Component IAM
- Read FYI, documentation, or watch video
 - https://aws.amazon.com/iam/faqs/?sc_channel=PS&sc_campaign=acquisition_CA&sc_publisher=google&sc_medium=iam_b&sc_content=sitelink&sc_detail=aws%20iam&sc_category=iam&sc_segment=iam_faqs&sc_matchtype=p&sc_country=CA&skwcid=AL!4422!3!199322583813!p!!g!aws%20iam&ef_id=V-95rAAACsHPeeb:20180122141927:s
- Setup component
 - Create users, groups, roles
- Step by step:
https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_managed-policies.html



- AWS Component
 - Management Console
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/console/faqs/>
- Use component
 - Explore Regions and Edge locations, review billing

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- AWS Component
 - AWS CLI
- Read FYI, documentation, or watch video
 - <https://docs.aws.amazon.com/cli/latest/userguide/cli-chap-welcome.html>
- Setup component
 - Install AWS CLI. Run sample commands



- AWS Component
 - AWS Powershell
- Read FYI, documentation, or watch video
<https://docs.aws.amazon.com/powershell/latest/userguide/pstools-welcome.html>
- Setup component
 - Install AWS Powershell. Run sample commands



- AWS Component
 - VPC
- Read FYI, documentation, or watch video FYI of component
 - <https://aws.amazon.com/vpc/faqs/>
 - <https://aws.amazon.com/vpc/details/>
- Setup component
 - <https://docs.aws.amazon.com/AmazonVPC/latest/GettingStartedGuide/ExerciseOverview.html>
 - Create VPC with Wizard and analyze what was created



- AWS Component
 - Security Groups
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html
- Setup component
 - Create Security Groups (in above documentation)
 - Create security group for Windows Instance with port 3389 open
 - Create security group for Linux Instance with port 22 open



- AWS Component
 - Network ACLs
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_ACLs.html
- Setup component
 - Create Network ACLs (in above documentation)



- AWS Component
 - NAT
- Read FYI, documentation, or watch video
 - <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html>
- Setup component
 - <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-nat-gateway.html#nat-gateway-creating>
 - <https://aws.amazon.com/premiumsupport/knowledge-center/nat-gateway-vpc-private-subnet/>



- AWS Component
 - EC2 Instances
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/ec2/faqs/>
 - <https://aws.amazon.com/ec2/pricing/>
- Setup component
 - <https://aws.amazon.com/free/>
 - <https://docs.aws.amazon.com/efs/latest/ug/gs-step-one-create-ec2-resources.html>
- Create Instance in VPC on private subnet A
- Create Instance in VPC on private subnet B



- AWS Component
 - EBS
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/ebs/faqs/>
 - https://www.youtube.com/watch?feature=player_embedded&v=Xe5yuWQAfbM
- Setup component
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/creating-an-ami-ebs.html>
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-volume.html>



- AWS Component
 - Snapshots
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/ebs/faqs/#snapshots>
- Setup component
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-snapshot.html>



- AWS Component
 - S3
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/s3/faqs/>
 - <https://aws.amazon.com/s3/getting-started/>
- Setup component
 - <https://docs.aws.amazon.com/AmazonS3/latest/gsg/CreatingABucket.html>



- AWS Component
 - Glacier
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/glacier/faqs/>
 - <https://aws.amazon.com/glacier/getting-started/>
 - <https://aws.amazon.com/blogs/aws/archive-s3-to-glacier/>
- Setup component
 - <https://docs.aws.amazon.com/amazon-glacier/latest/dev/amazon-glacier-getting-started.html>



- AWS Component
 - Snowball
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/snowball/fqs/>
 - <https://aws.amazon.com/snowball/tools/>
- Setup component
 - <https://aws.amazon.com/snowball/getting-started/>



- AWS Component
 - Limits
- Read FYI, documentation, or watch video
https://docs.aws.amazon.com/general/latest/gr/aws_service_limits.html
- Setup component
 - <https://aws.amazon.com/premiumsupport/knowledge-center/manage-service-limits/>



- AWS Component
 - AWS Certificate Manager
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/certificate-manager/faqs/>
 - <https://docs.aws.amazon.com/acm/latest/userguide/acm-overview.html>
 - <https://docs.aws.amazon.com/acm/latest/userguide/acm-services.html>
- Setup component
- https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_server-certs.html



- AWS Component
 - AWS Pricing Calculator
- Read FYI, documentation, or watch video
<https://aws.amazon.com/pricing/services/>
- Setup component
 - Get out your credit card!

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- AWS Component
 - EIP, ENI
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/ec2/faqs/#elastic-ip>
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html>
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html>
- Setup component
 - <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/elastic-ip-addresses-eip.html#using-instance-addressing-eips-allocating>
 - https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-eni.html#create_eni



- AWS Component
 - Root Account
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html
- Setup component
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html#id_root-user_manage_mfa
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html#id_root-user_manage_delete-key
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_root-user.html#id_root-user_manage_password



- AWS Component
 - IAM
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/iam/faqs/>
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_temp.html#sts-introduction
 - <https://aws.amazon.com/iam/faqs/>
- Setup component
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_create.html



- AWS Component
 - Policy Simulator
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_testing-policies.html
- Setup component
 - <https://policysim.aws.amazon.com/home/index.jsp?#>



- AWS Component
 - IAM Policy
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create.html?icmpid=docs_iam_console
 - https://www.youtube.com/watch?v=a1SWoPf_XNE
- Setup component
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create.html?icmpid=docs_iam_console#access_policies_create-start



- AWS Component
 - Password Policy
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html
- Setup component
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_credentials_passwords_account-policy.html#IAMPasswordPolicy



- AWS Component
 - Cross Account Access
- Read FYI, documentation, or watch video
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles_common-scenarios_aws-accounts.html
- Setup component
 - https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_cross-account-with-roles.html



- AWS Component
 - RDS
- Read FYI, documentation, or watch video
 - https://aws.amazon.com/rds/faqs/?sc_channel=PS&sc_campaign=acquisition_CA&sc_publisher=google&sc_medium=rds_b&sc_content=sitelink&sc_detail=%2Baws%20%2Brds&sc_category=rds&sc_segment=faqs&sc_matchtype=b&sc_country=CA&skwcid=AL!4422!3!186405288414!b!!g!!%2Baws%20%2Brds&ef_id=V-95rAAAACsHPeeb:20180123195344:s
 - <https://aws.amazon.com/rds/details/multi-az/>
- Setup component
 - https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/TUT_WebAppWithRDS.html



- AWS Component
 - ELB
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/elasticloadbalancing/faqs/>
- Setup component
 - <https://aws.amazon.com/elasticloadbalancing/getting-started/>



- AWS Component
 - Auto Scaling
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/autoscaling/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/autoscaling/ec2/userguide/GettingStartedTutorial.html>



- AWS Component
 - VPN Connections
- Read FYI, documentation, or watch video
 - <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpn-connections.html>
- Setup component
 - <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/SetUpVPNConnections.html>



- AWS Component
 - CloudFront
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/cloudfront/>
- Setup component
 - <https://aws.amazon.com/cloudfront/getting-started/>
 - Comment: many videos



- AWS Component
 - CloudWatch
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/cloudwatch/faqs/>
 - <https://docs.aws.amazon.com/AmazonCloudWatch/latest/events/WhatIsCloudWatchEvents.html>
- Setup component
 - <https://aws.amazon.com/cloudwatch/getting-started/>



- AWS Component
 - CloudTrail
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/cloudtrail/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/awsccloudtrail/latest/userguide/cloudtrail-getting-started.html>



- AWS Component
 - Trusted Advisor
- Read FYI, documentation, or watch video
 - https://aws.amazon.com/premiumsupport/trustedadvisor/?sc_channel=PS&sc_campaign=acquisition_CA&sc_publisher=google&sc_medium=trusted_advisor_b&sc_content=aws_trusted_advisor_p&sc_detail=aws%20trusted%20advisor&sc_category=trusted_advisor&sc_segment=161199533492&sc_matchtype=p&sc_country=CA&skwid=AL!4422!3!161199533492!p!!g!!aws%20trusted%20advisor&ef_id=V-95rAAACsHPeeb:20180123201722:s



- AWS Component
 - Directory Services
- Read FYI, documentation, or watch video
 - https://aws.amazon.com/directoryservice/faqs/?sc_channel=PS&sc_campaign=acquisition_CA&sc_publisher=google&sc_medium=directory_service_b&sc_content=sitelink&sc_detail=aws%20directory&sc_category=directory_service&sc_segment=directory_service_faqs&sc_matchtype=p&sc_country=CA&sc_kwid=AL!4422!3!199322583117!p!!g!!aws%20directory&ef_id=V-95rAAACsHPeeb:20180123202107:s
 - <https://aws.amazon.com/directoryservice/getting-started/>



- AWS Component
 - ElastiCache
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/elasticache/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/AmazonElastiCache/latest/UserGuide/GettingStarted.html>



- AWS Component
 - Direct Connect
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/directconnect/faqs/>
 - <https://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpn-connections.html>
- Setup component
 - <https://aws.amazon.com/directconnect/getting-started/>



- AWS Component
 - Kinesis
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/kinesis/data-streams/faqs/>
 - <https://aws.amazon.com/kinesis/streaming-analytics-webinar/>
- Setup Component
 - <https://docs.aws.amazon.com/streams/latest/dev/getting-started.html>



- AWS Component
 - CloudFormation
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/cloudformation/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/quickstart/latest/vpc/welcome.html>



- AWS Component
 - Elastic Beanstock
- Read FYI, documentation, or watch video
 - https://aws.amazon.com/elasticbeans/talk/faqs/?sc_channel=PS&sc_campaign=acquisition_CA&sc_publisher=google&sc_medium=beanstalk_b&sc_content=sitelink&sc_detail=aws%20elastic%20beanstalk&sc_category=beanstalk&sc_segment=faqs&sc_matchtype=e&sc_country=CA&skwcid=AL!4422!3!161187838924!e!!g!!aws%20elastic%20beanstalk&ef_id=V-95rAAACsHPeeb:20180123203037:s
- Setup component
 - <https://aws.amazon.com/elasticbeans/talk/getting-started/>



- AWS Component
 - SNS
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/sns/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/sns/latest/dg/GettingStarted.html>



- AWS Component
 - SQS
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/sqs/faqs/>
- Setup component
 - <https://aws.amazon.com/getting-started/tutorials/send-messages-distributed-applications/>



- AWS Component
 - DynamoDB
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/dynamodb/faqs/>
 - <https://aws.amazon.com/dynamodb/dax/>
- Setup component
 - <https://aws.amazon.com/getting-started/tutorials/create-nosql-table/>



- AWS Component
 - Aurora
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/rds/aurora/faqs/>
 - https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_Aurora.html
- Setup component
 - <https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Welcome.html>



- AWS Component
 - Redshift
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/redshift/faqs/>
- Setup component
 - <https://docs.aws.amazon.com/redshift/latest/gsg/getting-started.html>



- AWS Component
 - Well Architected Framework
- Read FYI, documentation, or watch video
 - <https://aws.amazon.com/architecture/well-architected/>
- Setup component
 - <https://d1.awsstatic.com/whitepapers/architecture/AWS-Operational-Excellence-Pillar.pdf>
 - <https://d1.awsstatic.com/whitepapers/architecture/AWS-Security-Pillar.pdf>
 - <https://d1.awsstatic.com/whitepapers/architecture/AWS-Reliability-Pillar.pdf>
 - <https://d1.awsstatic.com/whitepapers/architecture/AWS-Performance-Efficiency-Pillar.pdf>
 - <https://d1.awsstatic.com/whitepapers/architecture/AWS-Cost-Optimization-Pillar.pdf>