



# AWS 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](https://d1.awsstatic.com/training-and-certification/docs-sa-assoc/AWS%20certified%20solutions%20architect%20associate%20blueprint.pdf)
- AWS Certified Solutions Architect – Sample Questions
  - [http://awstrainingandcertification.s3.amazonaws.com/production/AWS certified solutions architect associate examsample.pdf](http://awstrainingandcertification.s3.amazonaws.com/production/AWS%20certified%20solutions%20architect%20associate%20examsample.pdf)

AWS Certification Study Guide

# 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](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](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)



- 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&skwid=AL!4422!3!199322583813!p!!g!aws%20iam&ef\\_id=V-95rAAAACsHPeeb:20180122141927:s](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&skwid=AL!4422!3!199322583813!p!!g!aws%20iam&ef_id=V-95rAAAACsHPeeb:20180122141927:s)
- Setup component
  - Create users, groups, roles
- Step by step:  
[https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial\\_managed-policies.html](https://docs.aws.amazon.com/IAM/latest/UserGuide/tutorial_managed-policies.html)

## AWS Certification Study Guide



- 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

## AWS Certification Study Guide



- 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](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](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](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](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](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!



- 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](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](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_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_delete-key)
  - [https://docs.aws.amazon.com/IAM/latest/UserGuide/id\\_root-user.html#id\\_root-user\\_manage\\_password](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://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](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](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://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies_create.html?icmpid=docs_iam_console)
  - [https://www.youtube.com/watch?v=a1SWoPf\\_XNE](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](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](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](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](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](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/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](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](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/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 Beanstalk
- Read FYI, documentation, or watch video
  - [https://aws.amazon.com/elasticbeanstalk/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](https://aws.amazon.com/elasticbeanstalk/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/elasticbeanstalk/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](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>