

AWS Technical Essentials

Resource Links

MODULE 1 – AWS Introduction and History

- <https://aws.amazon.com/about-aws/whats-new/>
- <http://aws.amazon.com/about-aws/global-infrastructure/>
- <https://infrastructure.aws>
- <http://aws.amazon.com/about-aws/global-infrastructure/regional-product-services/>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/using-regions-availability-zones.html>

MODULE 2 – Foundational Services

- <https://aws.amazon.com/ec2>
- <https://aws.amazon.com/ec2/instance-types/>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/AMIs.html>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-metadata.html#instancedata-data-categories>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-metadata.html>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/user-data.html>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-metadata.html#instancedata-user-data-retrieval>
- <http://aws.amazon.com/ec2/pricing/>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/instance-purchasing-options.html>
- <http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/dedicated-instance.html>
- <https://aws.amazon.com/marketplace>
- <https://aws.amazon.com/quickstart/>
- <http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpn-connections.html>
- http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPN_CloudHub.html
- <https://aws.amazon.com/whitepapers/web-application-hosting-best-practices>

- <http://aws.amazon.com/s3/>
- <https://aws.amazon.com/s3/pricing/>
- <http://aws.amazon.com/solutions/case-studies/yelp/>
- <http://calculator.s3.amazonaws.com/calc5.html>
- <https://aws.amazon.com/glacier/pricing/>
- <http://docs.aws.amazon.com/AmazonS3/latest/dev/storage-class-intro.html>
- <https://aws.amazon.com/s3/storage-classes/>
- <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EBSVolumeTypes.html>
- <http://aws.amazon.com/ebs/pricing/>
- <http://calculator.s3.amazonaws.com/index.html>
- <https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/InstanceStorage.html>
- <http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ec2-instance-lifecycle.html>

MODULE 3 – Security, Identity and Access Management (IAM)

- <https://aws.amazon.com/premiumsupport/>
- http://d0.awsstatic.com/whitepapers/Security/Intro_to_AWS_Security.pdf
- <https://d0.awsstatic.com/whitepapers/aws-security-whitepaper.pdf>
- <http://aws.amazon.com/security/>
- <http://aws.amazon.com/compliance/>
- <http://aws.amazon.com/vpc/>
- http://docs.aws.amazon.com/IAM/latest/UserGuide/reference_aws-services-that-work-with-iam.html
- <http://docs.aws.amazon.com/IAM/latest/UserGuide/console.html>
- <http://docs.aws.amazon.com/cli/latest/userguide/cli-chap-welcome.html>
- http://docs.aws.amazon.com/IAM/latest/UserGuide/id_groups.html
- <http://awspolicygen.s3.amazonaws.com/policygen.html>
- <https://policysim.aws.amazon.com/home/index.jsp>
- http://docs.aws.amazon.com/IAM/latest/UserGuide/access_policies.html
- http://docs.aws.amazon.com/IAM/latest/UserGuide/reference_policies_elements.html
- http://docs.aws.amazon.com/IAM/latest/UserGuide/id_roles.html
- <http://docs.aws.amazon.com/IAM/latest/UserGuide/best-practices.html>

MODULE 4 - Databases

- <http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html>
- http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/CHAP_BestPractices.html
- <http://docs.aws.amazon.com/amazondynamodb/latest/developerguide/HowItWorks.html>
- <https://docs.aws.amazon.com/amazondynamodb/latest/developerguide/Query.html>

MODULE 5 – Elasticity and Management Tools

- <https://docs.aws.amazon.com/elasticloadbalancing/latest/userguide/what-is-load-balancing.html>
- <https://aws.amazon.com/tools/#SDKs>
- <http://docs.aws.amazon.com/elasticloadbalancing/latest/APIReference/Welcome.html>
- <http://docs.aws.amazon.com/elasticloadbalancing/latest/classic/introduction.html>
- <http://docs.aws.amazon.com/elasticloadbalancing/latest/application/introduction.html>
- <https://docs.aws.amazon.com/elasticloadbalancing/latest/network/introduction.html>
- <https://aws.amazon.com/elasticloadbalancing/details/>
- <http://docs.aws.amazon.com/AmazonCloudWatch/latest/DeveloperGuide/AlarmThatSendsEmail.html>
- <https://aws.amazon.com/cloudwatch/details/#other-aws-resource-monitoring>
- <https://aws.amazon.com/blogs/aws/new-cloudwatch-events-track-and-respond-to-changes-to-your-aws-resources/>
- <http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/LaunchConfiguration.html>
- <http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/as-scale-based-on-demand.html>
- http://docs.aws.amazon.com/AutoScaling/latest/DeveloperGuide/policy_creating.html