**AWS Technical Essentials**

**Resource Links**

MODULE 1 – AWS Introduction and History

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| * <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

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| * <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)

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| * <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

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| * <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

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| * <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> |