Course Outline

*Note: course outline may vary slightly based on the regional location and/or language in which the class is delivered.*

This course covers the following concepts:

Day 1

* Core AWS Knowledge
* Designing Your Environment
* Making Your Environment Highly Available
* Forklifting an Existing Application onto AWS

Day 2

* Event-Driven Scaling
* Automating and Decoupling Your Infrastructure
* Designing Storage at Scale
* Hosting a New Web Application on AWS

Day 3

* The Four Pillars of the Well-Architected Framework
* Disaster Recovery and Failover Strategies
* Troubleshooting Your Environment
* Large-Scale Design Patterns and Case Studies

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| **[The table below lists the domains measured by this examination and the extent to which they are represented. Domain](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235)** | **[% of Examination](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235)** |
| [1.0 Designing highly available, cost-efficient, fault-tolerant, scalable systems](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) | [60%](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) |
| [2.0 Implementation/Deployment](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) | [10%](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) |
| [3.0 Data Security](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) | [20%](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) |
| [4.0 Troubleshooting](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) | [10%](https://aws.amazon.com/start-now/?sc_ichannel=ha&sc_icampaign=start-now&sc_icontent=2235) |

[**https://d0.awsstatic.com/training-and-certification/docs-sa-assoc/AWS\_certified\_solutions\_architect\_associate\_blueprint.pdf**](https://d0.awsstatic.com/training-and-certification/docs-sa-assoc/AWS_certified_solutions_architect_associate_blueprint.pdf)

**AWS Service dashboard**

|  |  |
| --- | --- |
| EC2 | Compute |
| EC2 Cointainer Service | Compute |
| Elastic eanstalk | Compute |
| Lambda | Compute |
| S3 | Compute |
| Cloud Front | Compute |
| Elastic File System | Compute |
| Glacier | Compute |
| Snowball | Compute |
| Storage gateway | Compute |
| RDS | Database |
| DynamoDb | Database |
| Elastic cache | Database |
| RedShift | Database |
| DMS | Database |
| VPC | Networking |
| Direct Connect | Networking |
| Route 53 | Networking |
| CodeCommit | Developer Tools |
| Code Deploy | Developer Tools |
| Code PipeLine | Developer Tools |
| CloudWatch | Management Tools |
| CloudFormation | Management Tools |
| Cloud Trails | Management Tools |
| Config | Management Tools |
| OpsWorks | Management Tools |
| Service Catalog | Management Tools |
| Trusted Advisor | Management Tools |
| Identity & Access Management | Security & iddentiy |
| Directory Service | Security & iddentiy |
| Inspector | Security & iddentiy |
| WAF | Security & iddentiy |
| Certificate Manager | Security & iddentiy |
| EMR | Analytics |
| Data Pipeline | Analytics |
| Elastic Search Service | Analytics |
| Kenesis | Analytics |
| Machin Learing | Analytics |
| AW IoT | Internet of Things |
| Game Lift | Game Development |
| Mobile Hub | Mobile Services |
| Cognto | Mobile Services |
| Device Farm | Mobile Services |
| Mobile Analytics | Mobile Services |
| SNS | Mobile Services |
| API Gateway | Applicatin Services |
| AppStream | Applicatin Services |
| CloudSearch | Applicatin Services |
| Elastics Transcoder | Applicatin Services |
| SES | Applicatin Services |
| SQS | Applicatin Services |
| SWF | Applicatin Services |
| workSpaces | Enterprise Applications |
| WorkDocs | Enterprise Applications |
| WorkMail | Enterprise Applications |