**AWS Certified Developer Associate Certification 2017**

AWS certs are the most popular certifications in 2016. Partners drive certifications like technology partners and consulting partners. Use these notes in addition with CSAA

Identical sections:

* Section 6 – Databases – Overviews & Concepts
* Section 13 – VPC

Similar sections:

* Section 2 – AWS 10,000 Foot Overview
* Section 3 – IAM
* Section 4 – EC2
* Section 5 – S3
* Section 8 – SQS

<https://acloud.guru/course/aws-certified-developer-associate/dashboard>

<https://www.wired.com/2015/10/meet-walking-dead-hp-cisco-dell-emc-ibm-oracle/>

Exam focus:

* AWS Fundamentals – 10%
* Designing and Developing 40%
* Deployment & Security 30%
* Debugging – 20%

<https://media.acloud.guru/aws-cda/resource/b3d92ac6-91ee-4410-a71c-82e761f9442c_1:6/aws-cda-154e2655-4e24-49d3-bac6-75695dc47b91.pdf?Expires=1498450645&Signature=KQapB6fozQaV0XzuW/VVt4KrgPTjRxDOtHSo3DJlkDQwykF8SLEM8BHECItiOvoddDoUUGHPYZbMPrtZ7XZw53wFC9nba26UX5530dNu2NxTB173MHm00emjNajyD+IyIpRiCF6BmjtlxOOlH9NwZboDLewRxX4mAvy5g/sTn6YSRLDMkn/BdzaKd9w0GJBNK+AqHwNUjH46qaoec7/ip2gkuHSlj58OcZcdsjVmDwOEqfzi1P9D1WGbaRAxdrIl1nXIWg7Xl3O8sMmKAtP7vtqq0VT/pS37xyQvgttCP114XTbr9935g7OXlDiyNjcYnhO55DH+gcDZqBV0g6FCkw==&Key-Pair-Id=APKAISLU6JPYU7SF6EUA>

**AWS – History So Far**

* **AWS Infrastructure, compute, database, storage, network & content deliver, management tools, security & identity. Focuses on API calls and dynamoDB.**
* **Still need to read database, ec2, finish security whitepaper, s3, application services**
* **I’ve already read VPC, Route 53, possibly S3.**
* AZ could be a collection of datacenters.
* Elastic Beanstalk can spin up the underlying infrastructure when code is uploaded to deploy those services.
* DMS – SQL, MySQL, Oracle, Aurora, Postgres, SAP ESE.
* **SMS (Server Migration Service)** – migrate VmWare VM to cloud. 50 at the same time.
* **Athena** – SQL queries on S3
* **Cloud Search** – managed service to enable search capabilities on your website.
* **Config** – proactively monitor environment in AWS.
* **Step Functions** – a way to visualize what is going on in your application.
* **PinPoint** – enables and engage with your users. Gather data with users and the apps they use.

**IAM (Identity Access Management)**

* You can authenticate your services with **Web Identity Federation** like LinkedIn, FB, etc.
  + Done by STS
  + Found in IAM under “Web Identity Federation Playground”
  + API call is AssumeRoleWithSAML
    - Covered quite a bit in the quiz.

**EC2**

* Reserved – reserve capacity for continued workloads.
* Dedicated – Save costs by use server-bound licenses.
  + Useful for regulatory requirements
* EBS – put in an AZ to protect from storage array failures
  + Magnetic volumes is important for not frequently accessed data except for ST1
  + Magnetic Standard is basically cold but is bootable.