**AWS SA Pro Cert Notes**

**Introduction:**

* 2.7 minutes per question
* 170 minutes
* 80 questions
* scenario based questions
* FAQ’s – cloudformation, direct connect, kinesis, Lambda
* Read Exam blue print
* Take practice exam
* Make a note of technologies in the exam.
* Key Tech: KMS, STS, Import/Export, cloudformation, cloudfront, cloudhsm, cloudsearch, cloudwatch, datapipeline, direct connect, dynamodb, EBS, EC2, ELB, EMR, ElastiCache, Elastic Beanstalk, Elastic Transcoder, Glacier, IAM, Kinesis, Opsworks, RDS, Redshift, Route 53, S3, SES, SNS, SQS, SWF, Storage Gateway, VPC.
* Test 4 things – comprehension, knowledge of AWS, How you cope under pressure, time management.
* Exam strategy – look at sample questions on AWS.com. Read question first.

**High Availability & Business Continuity:**

**\*Read DR whitepaper - http://d36cz9buwru1tt.cloudfront.net/AWS\_Disaster\_Recovery.pdf**

* **DR** – preparing for and recovering from a disaster
  + Usually uses a N+1 approach
  + S3
  + Glacier
  + EBS
  + Direct Connect
  + Storage Gateway
  + EC2/VM Import Connector
  + Route53
  + Elastic Load Balancing
  + VPC
  + RDS
  + DynamoDB
  + Redshift
  + CloudFormation
  + ElasticBeanstalk
  + OpsWork
* **RTO** – time it takes to recover from an outage or disruption
* **RPO** – maximum period of time in which data might be lost from an IT service due to a major incident.
* **Backup/Restore** – Cheapest/longest RPO/RTO
* Pilot Light \
* Warm Standby |-> in SAA Notes
* MultiSite /
* **Know different RTO/RPOS for different AWS services.**
  + **S3**
  + **Glacier**
  + **EBS**
  + **DynamoDB –** offers cross region replication
  + **RDS –** can haveread replica in another region
  + **RedShift –** can copy to another region