AWS Services: Some Confusing Terms

The distinction between different AWS Services — Part 3

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I found few more terms that might be confusing when you are preparing for AWS Certification especially in the AWS Solutions Architect Associate Exam or when you are working on AWS.

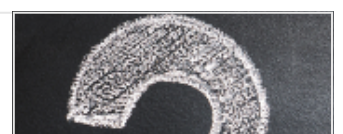If you haven't read Parts 1 and 2, you can check them out on the links below:

AWS Services: Some Confusing Terms

The distinction between different AWS Services — Part 1

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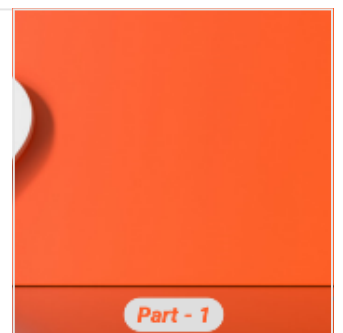
AWS Services: Some Confusing Terms

In this blog post, I am going to show you the difference between the following terms or services:

- Amazon RDS Multi-AZ & RDS Read Replicas

- Route 53 Alias Record & Route 53 CNAME Record

- SSM Parameter Store & Secrets Manager

- Kinesis Data Streams & Kinesis Data Firehose

- AWS SWF & AWS Step Functions

Amazon RDS Multi-AZ & RDS Read Replicas

RDS Multi-AZ	RDS Read Replicas
Synchronous replication between Primary and standby database instance.	Asynchronous replication between Master and read replicas.
Only primary database engine instance is active.	All read replicas are accessible and can be used for read scale.
With Multi-AZ, automated backups are taken from standby database.	With Read Replicas, automated backups are taken by default, we need to configure.
Always span across two availability zones within single region.	It can be within single AZ, cross-AZ, or cross-region.
Automatically failover to standby database to primary when problem is detected.	In this, manually promoted to a standalone database instance.

Amazon RDS Multi-AZ & RDS Read Replicas

More Details:

RDS Multi-AZ:

https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/Concepts.MultiAZ.html

RDS Read Replicas:

https://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_ReadRepl.html

Route 53 Alias Record & Route 53 CNAME Record

Route 53 Alias Record & Route 53 CNAME Record

More Details:

Route 53 records type:

https://docs.aws.amazon.com/Route53/latest/DeveloperGuide/rrsets-working-with.html
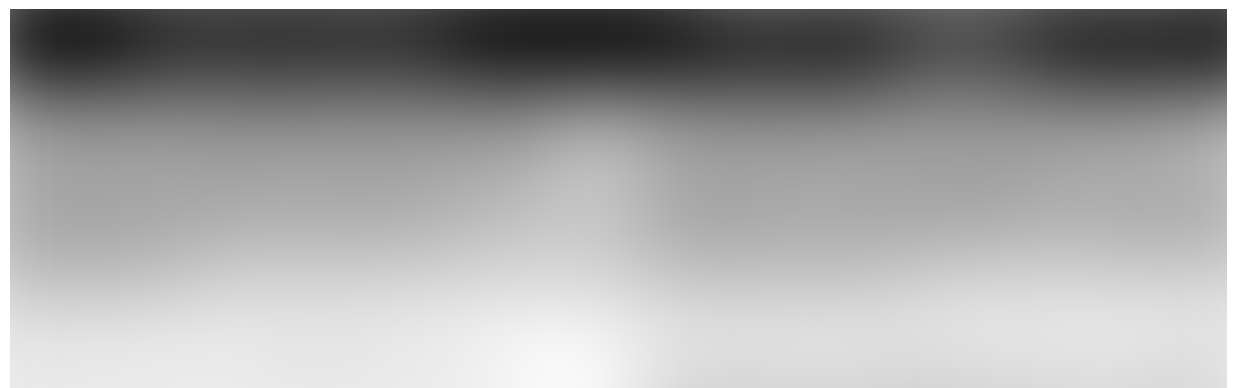
SSM Parameter Store & Secrets Manager

SSM Parameter Store & Secrets Manager

Kinesis Data Streams & Kinesis Data Firehose

Kinesis Data Streams & Kinesis Data Firehose

AWS SWF & AWS Step Functions

AWS SWF & AWS Step Functions

More Details:

Step Functions: *https://docs.aws.amazon.com/step-functions/latest/dg/welcome.html*

Simple Workflow Service (SWF):
https://docs.aws.amazon.com/amazonswf/latest/developerguide/swf-welcome.html

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