



Figure 1: CLICK HERE TO ENTER STATION

Recovery Sheet 12

SJ Green

Recovering from the session delivered on the night of Wednesday 9th April 2025. We talked about advanced networking concepts in AWS. You can view the recovery sheet for the previous week [here](#).

1 Active-Active

Description

1. **Serverless.** The idea of developers not having to worry about server management started with platforms like Google App Engine (GAE) in 2008. It allowed developers to focus on code without server infrastructure concerns.

The term “serverless” gained traction in 2012 when cloud computing expert Ken Fromm used it in a tech article.

2. **AWS Lambda function.** Description here.
3. **Amazon API Gateway.** Description here.
4. **Amazon SQS.** Description here.
5. **Amazon SNS.** Description here.

6. **Amazon Kinesis**
7. **AWS Step Functions.** Pen
8. **Term 8**
9. **Term 9** Description goes here.
10. **Term 10.** Description goes here.

2 Warm Standby

1. **Serverless.** The idea of developers not having to worry about server management started with platforms like Google App Engine (GAE) in 2008. It allowed developers to focus on code without server infrastructure concerns.

The term “serverless” gained traction in 2012 when cloud computing expert Ken Fromm used it in a tech article.

When you think about sites that monitor prices in real-time across hundreds of retail sites or ones that process purchases, views, clicks, checkins and other indicators of interest to provide personalized recommendations, the processing and orchestration at the core of the application lies behind the scenes – the front-end app is just the delivery vehicle

But this changing focus doesn’t map so well into the world of applications and servers. Developers working in a distributed world are hard pressed to translate the things they’re doing into sets of servers. Their worldview is increasingly around tasks and process flows, not applications and servers – and their units of measures for compute cycles is in seconds and minutes, not hours. In short, their thinking is becoming serverless.

2. **AWS Lambda function.** AWS Lambda was announced in 2014. You write your program inside the function. Then, the program runs. You are billed for however many milliseconds the function runs for.
3. **Amazon API Gateway** Description goes here.
4. **Amazon SQS.** Description goes here.
5. **Amazon SNS** Description goes here.
6. **Amazon Kinesis.**
7. **AWS Step Functions.** Description goes here.
8. **Amazon Kinesis.** Description goes here.

9. **AWS Lattice** Description goes here.
10. **Term 9** Description goes here.
11. **Term 10.** Description goes here.

3 Pilot Light

The pilot comes aboard ships in unfamiliar waters to sort out shit.

1. **Serverless.**
2. **AWS Lambda function.**
3. **Amazon API Gateway** Description goes here.
4. **Amazon SQS.** Description goes here.
5. **Amazon SNS** Description goes here.
6. **Amazon Kinesis.** Description goes here.
7. **AWS Step Functions.** Description goes here.
8. **Term 8.** Description goes here.
9. **AWS Lattice** Description goes here.
10. **Term 9** Description goes here.
11. **Term 10.** Description goes here.

4 Backup

1. **Serverless.** Description goes here.

Fromm, Ken (2012). Why the future of software and apps is serverless.

Available at: <https://readwrite.com/why-the-future-of-software-and-apps-is-serverless/>

2. **AWS Lambda function.**
3. **Amazon API Gateway.**
4. **Amazon SQS**
5. **Amazon SNS.**

6. Amazon Kinesis

Krishnan, Adi (2014). Amazon Kinesis Deep Dive. *Reinvent 2014* [Conference]. YouTube Channel: Amazon Web Services. Available at: <https://www.youtube.com/watch?v=8u9wIC1xNt8>

Mr Krishnan Presentation - Quiz 1. Available at: https://concentric-2903432.s3.eu-west-2.amazonaws.com/Firmament/2013/Kinesis/krishnan_presentation_quiz_1.pdf

Mr Krishnan Presentation - Quiz 2. Available at: https://concentric-2903432.s3.eu-west-2.amazonaws.com/Firmament/2013/Kinesis/krishnan_presentation_quiz_2.pdf

Nienhuis, Ryan (2017). Analysing Streaming Data in Real Time with Amazon Kinesis. *Reinvent 2017* [Conference]. Available at: https://www.youtube.com/watch?v=IXcs_e0oTKE

7. AWS Step Functions.

8. AWS Lattice Description goes here.

Introducing Amazon VPC Lattice. Dec 8th 2022. *Reinvent* [Conference]. Available at: <https://www.youtube.com/watch?v=fRjD1JI0H5w>

Davies, Justin (2023). Amazon VPC Lattice architecture patterns and best practices. Available at: <https://www.youtube.com/watch?v=zQk9AIPVdXs>

9. Term 10 Description goes here.