

Day 1 :

Access S3 content from an EC2 instance

Services :

EC2 S3 IAM VPC

Description :

You have been tasked by your manager to assist with the roll-out of a new application that will require access to data stored in an S3 bucket. As a proof of concept, you have been tasked to setup an environment to demonstrate how this will work.

The bucket must be accessible from an EC2 instance, but not from the Internet. In addition, the application is expected to operate on the data without manual intervention. The need to access the data immediately will decrease 30 days after it is uploaded.

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Overly Ambitious Security Controls

Services :

EC2 VPC ELB

Description :

You have just setup a new web app running in an autoscaling group. A new security engineer has come in to tighten down the environment. Now, the application does not work.

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Day 2 :

HOUSE IS LOCKED, COME THROUGH THE WINDOW!!!

Services :

EC2

Description :

You are working on a project to migrate windows servers from On-Premise Data Center to AWS using CloudEndure Migration tool. After migration you found that you are not able to do the RDP on some servers. The domain credentials (migration_admin/Password1!) are not working. While trying to do RDP on the servers, it is giving Access Denied error.

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Dynamo-ically Stream it Up

Services :

DynamoDB Lambda

Descriptions :

Dyna Inc. sells high quality pet food, toys and play areas for the pet dinosaurs of its discerning clientele. Dyna Inc. has the largest marketshare in this space, with a loyal clientele that love their dinosaurs and want only the best for them. However, in recent years, competition from low cost retailers has been fierce.

However, Dyna Inc. does not want to reduce prices by compromising on quality. Instead, they want to hold exclusive events and provide deep discounts in some categories for their most valuable customers. To do this, Dyna Inc. should be able to identify "Elite" customers who have spent \$1000 or more with Dyna Inc. In fact, it'd be great if they can congratulate a customer and provide them the "Elite" card as soon as the customer completes the qualifying transaction.

A developer at Dyna Inc. performed an analysis and started working on achieving this. However, the developer has since left Dyna Inc. and did not have time to provide a full transition. As an AWS specialist, you have been brought in to help complete the business use case.

Dyna Inc. has already scheduled the first exclusive event but they can't figure out who to invite. If the event fails, it would mean a waste of their entire year's marketing budget. They are looking to you to enable them to identify the "Elite" customers quickly so they can start sending out invites.