**Week 9 – Challenge Lab: Implementing a Serverless Architecture for the Café**

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**Task 1: Downloading the source code**

**Task 2: Creating the DataExtractor Lambda function in the VPC**

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Figure 1: Create security group for lambda function.

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Figure 2: Update DatabaseSG.

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Figure 3: Create Lambda Function.

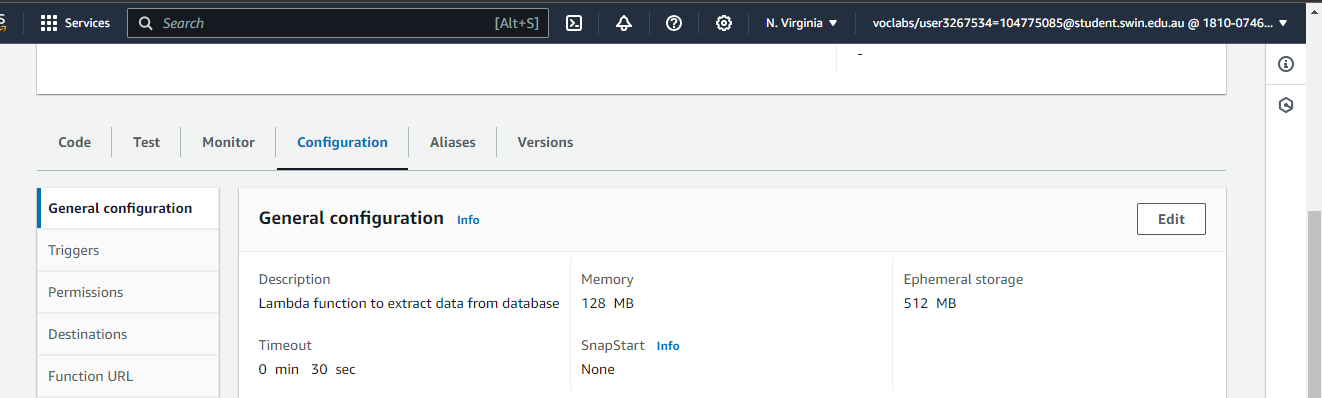


Figure 4: Configure basic information of Lambda function.

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Figure 5: Config Lambda handler.

**Task 3: Creating the SalesAnalysisReport Lambda function**

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Figure 6: Create another Lambda function.

**Task 4: Creating an SNS topic**

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Figure 7: Create SNS topic.

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Figure 8: Edit environment variables.

**Task 5: Creating an email subscription to the SNS topic**

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Figure 9: Create email subscription.

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Figure 10: Confirm subscription.

**Task 6: Testing the salesAnalysisReport Lambda function**

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Figure 11: Email notification

**Task 7: Setting up an Amazon EventBridge event to initiate the Lambda function each day**

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Figure 12: Created EventBridge Rule.

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Figure 9: Score after submission.

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Figure 10: Submission report.