

Lab 3

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```
garre@garrettlaptop:~/development/notes$ aws s3 ls s3://garrettgruss
2026-01-30 10:39:40          41 hello-world.txt
```

Figure 1: Exercise 3.1

Amazon S3 > Buckets > garrettgruss > hello-world.txt

hello-world.txt Info

Copy S3 URI Download Open i Open l Object actions

Properties Permissions Versions

Versions (2)

	Version ID	Type	Last modified	Size	Storage class
<input type="checkbox"/>	85wieDHYHNVth0SlwdXYLytr5... (Current version)	txt	February 12, 2026, 18:32:45 (UTC-0...	8.0 B	Standard
<input type="checkbox"/>	null	txt	January 30, 2026, 10:39:40 (UTC-06...	41.0 B	Standard

Figure 2: Exercise 3.2

```
garre@garrettlaptop:~/development/notes$ aws s3 presign s3://garrettgruss/hello-world.txt --expires-in 600
https://garrettgruss.s3.us-east-1.amazonaws.com/hello-world.txt?X-Amz-Algorithm=AWS4-HMAC-SHA256&X-Amz-Credential=AKIAVCZDN48620SVBL2C%2F2
0260213%2Fus-east-1%2Fs3%2Faws4_request&X-Amz-Date=20260213T003521Z&X-Amz-Expires=600&X-Amz-SignedHeaders=host&X-Amz-Signature=1d8799787b3
c05d43ea7514e791dc1a8fcf5e8b574263370b9eaf56d9a29155e
```

Figure 3: Exercise 3.3



Figure 4: Exercise 3.4

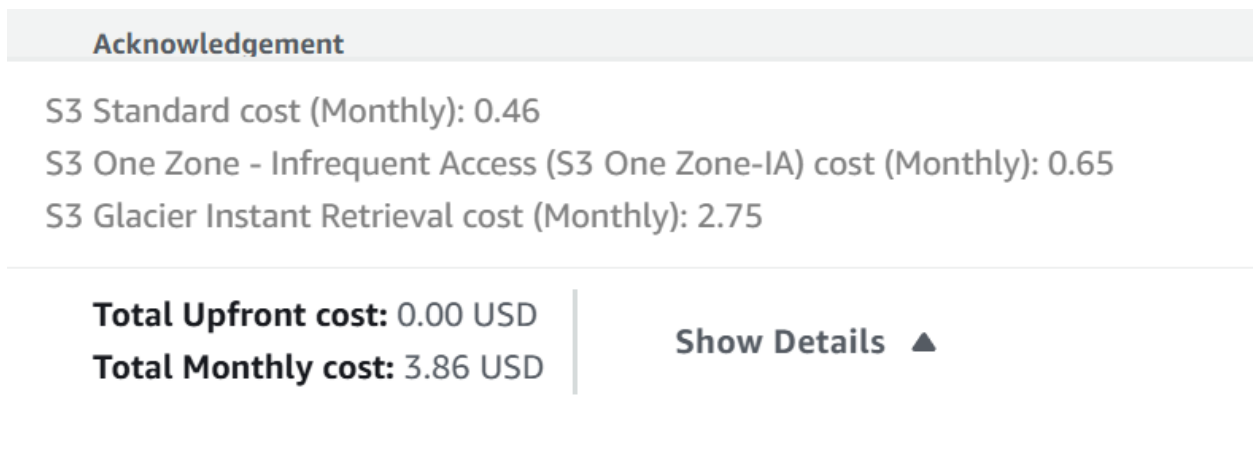


Figure 5: Exercise 3.5

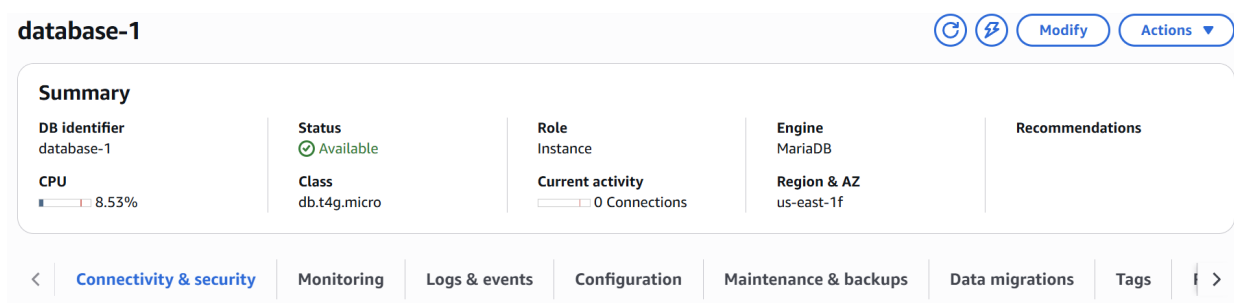


Figure 6: Exercise 5.1

C Creating replica [database-1-replica-1](#) in US East (N. Virginia)
Your database might take a few minutes to launch.

0 0 1 0 1

Databases (2) Group resources Modify Actions Create database

Filter by databases

DB identifier	Status	Role	Engine	Upgrade rollout order	Region ...	Size
database-1	Modify...	Primary	MariaDB	SECOND	us-east-1f	db.t4g.micro
database-1-replica-1	Creating	Replica	MariaDB	SECOND	-	db.t4g.micro

Figure 7: Exercise 5.2

Databases (2) Group resources Modify Actions Create database

Filter by databases

DB identifier	Status	Role	Engine	Upgrade rollout order	Region ...	Size
database-1	Available	Instance	MariaDB	SECOND	us-east-1f	db.t4g.micro
database-1-replica-1	Available	Instance	MariaDB	SECOND	us-east-1d	db.t4g.micro

Figure 8: Exercise 5.3

```

garre@garrettlaptop:~/development/notes$ aws dynamodb create-table \
--table-name Authors \
--attribute-definitions \
    AttributeName=LastName,AttributeType=S \
    AttributeName=FirstName,AttributeType=S \
--key-schema \
    AttributeName=LastName,KeyType=HASH \
    AttributeName=FirstName,KeyType=RANGE \
--provisioned-throughput ReadCapacityUnits=1,WriteCapacityUnits=1
{
  "TableDescription": {
    "AttributeDefinitions": [
      {
        "AttributeName": "FirstName",
        "AttributeType": "S"
      },
      {
        "AttributeName": "LastName",
        "AttributeType": "S"
      }
    ],
    "TableName": "Authors",
    "KeySchema": [
      {
        :...skipping...
      }
    ]
  }
}

```

Figure 9: Exercise 5.4