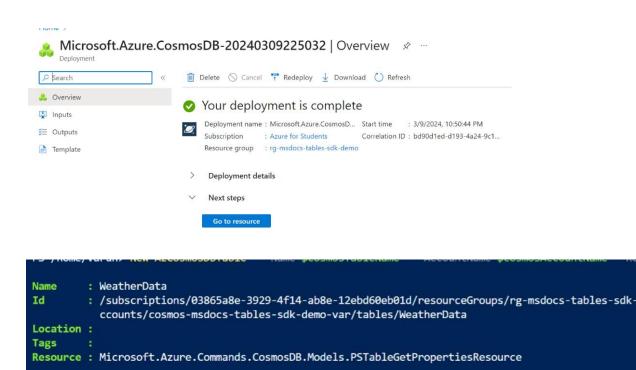


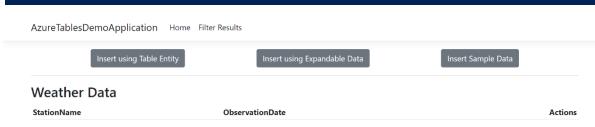
Lab 5: Webapp AWS, CosmosDB, Azure Apps

Akshar Panchani ID- 202101522 IT457 Cloud Computing 3/15/24

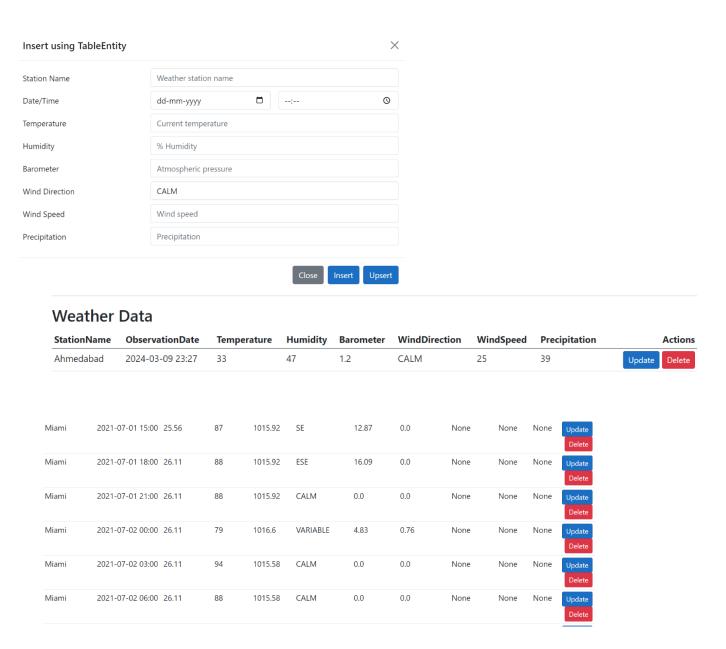


1. Cosmos DB - Populate data and query filter



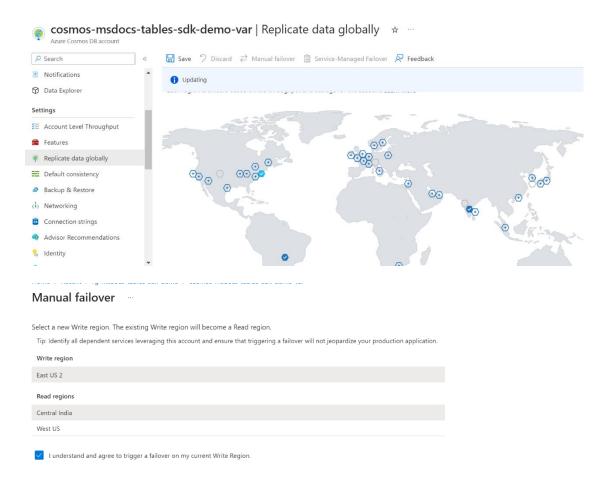






Global distribution

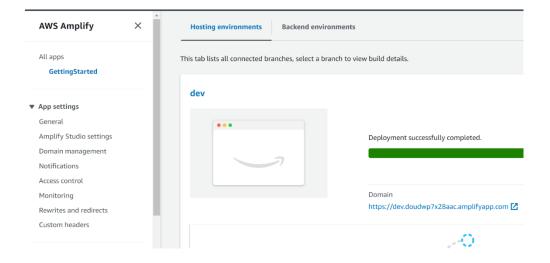




Log transformation

2. Web app in AWS - Deploying a hello world web application

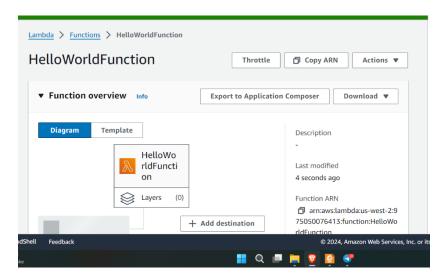






Hello World

Creating a lambda function for hello world.

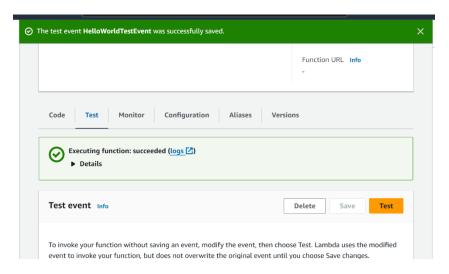


Updating the lambda function and creating test event for lambda function

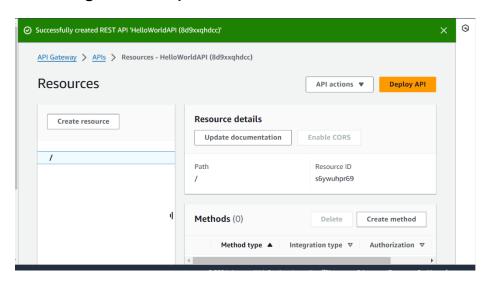




testing the lambda function

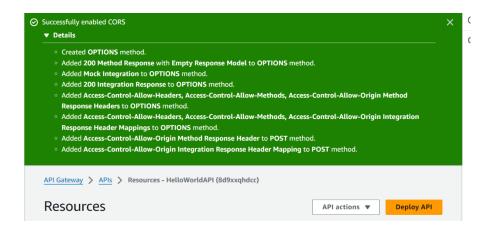


Creating restful api

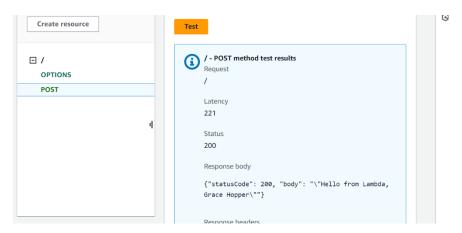


Adding CORS to the API

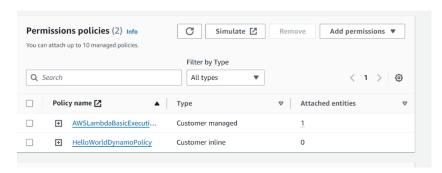




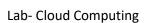
Testing the hello world post API



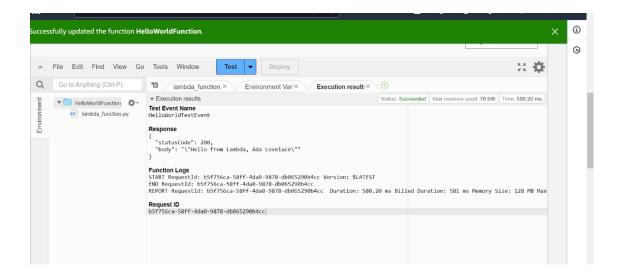
Adding policy to allow lambda function to work.



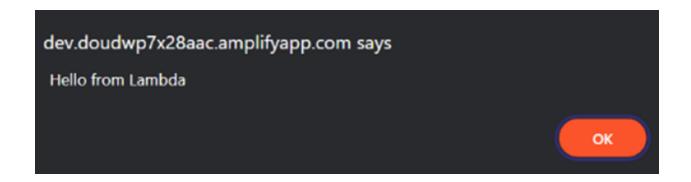
Testing the updated function.







Checking the web URL.

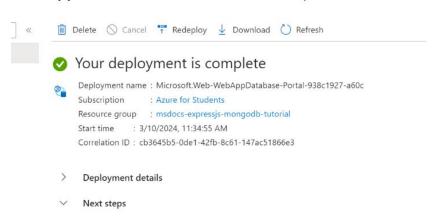


Azure App Services

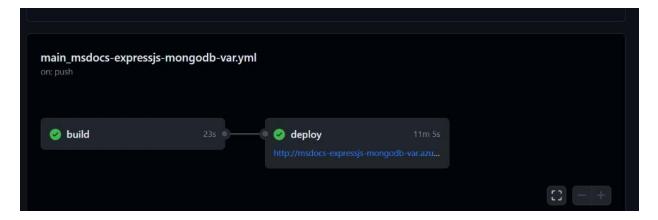
Deploying the app service using MongoDB and NodeJS



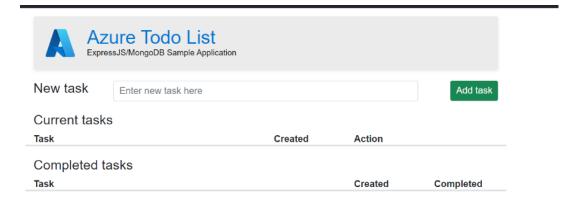
-WebAppDatabase-Portal-938c1927-a60c | Overvi... 🖈 …

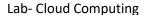


Deployment action in GitHub

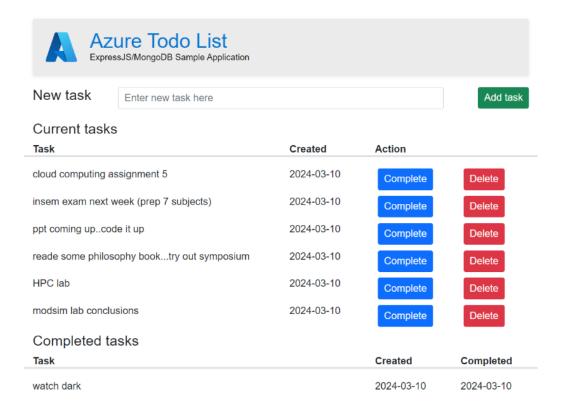


Web app connected to its database and deployed on azure

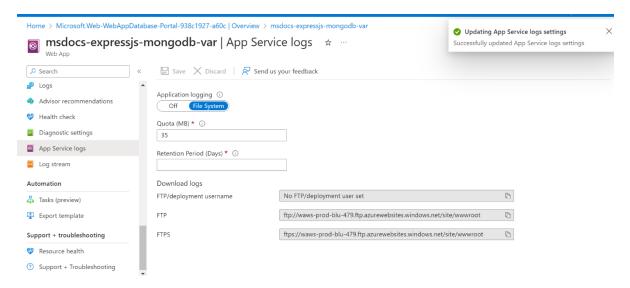




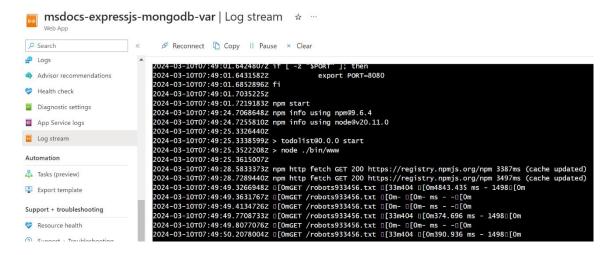




App service logs







Use Kudu

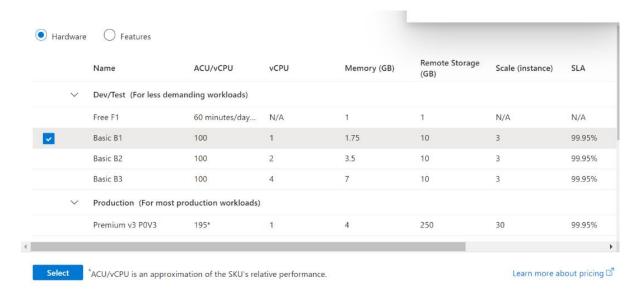
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var.scm.azurewebsites.net/api/deployments/c73076ba-7491-4f96-b86f-7bc9950e2395/log", "site_name":"msdocs-expressjs-mongodb-var", "build_summary":{"errors":[], "warnings":
[]}}]
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Index of /wwwroot/

Name	Size	Last Modified
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config/		03/10/2024 06:31:41 +00:00
models/		03/10/2024 06:31:41 +00:00
node_modules/		03/10/2024 06:41:06 +00:00
public/		03/10/2024 06:41:07 +00:00
routes/		03/10/2024 06:41:07 +00:00
views/		03/10/2024 06:41:07 +00:00
app.js	1,977	03/10/2024 06:29:46 +00:00
CHANGELOG.md	135	03/10/2024 06:29:46 +00:00
CONTRIBUTING.md	3,941	03/10/2024 06:29:46 +00:00
LICENSE.md	1,140	03/10/2024 06:29:46 +00:00
package-lock.json	152,081	03/10/2024 06:29:56 +00:00
package.json	480	03/10/2024 06:29:46 +00:00
README.md	453	03/10/2024 06:29:46 +00:00
release.zip	19,579,638	03/10/2024 06:30:44 +00:00

Scaling up the web application





Adding custom domain – (not attaching the entire process images as buying custom domains is not available in student account of Azure.)

