



**Hochschule für Technik
und Wirtschaft Berlin**

University of Applied Sciences

Cloud Computing Project

Feb 2nd, 2024

Hochschule für Technik und Wirtschaft (HTW), Berlin

Programme: Masters in Professional IT Business und Digitalization

Semester: Winter Semester 2023/2024 (Oct 2023 to Feb 2024)

Project Leader/Guide:

- **Prof. Nico Schoennagel**

Project Team Members:

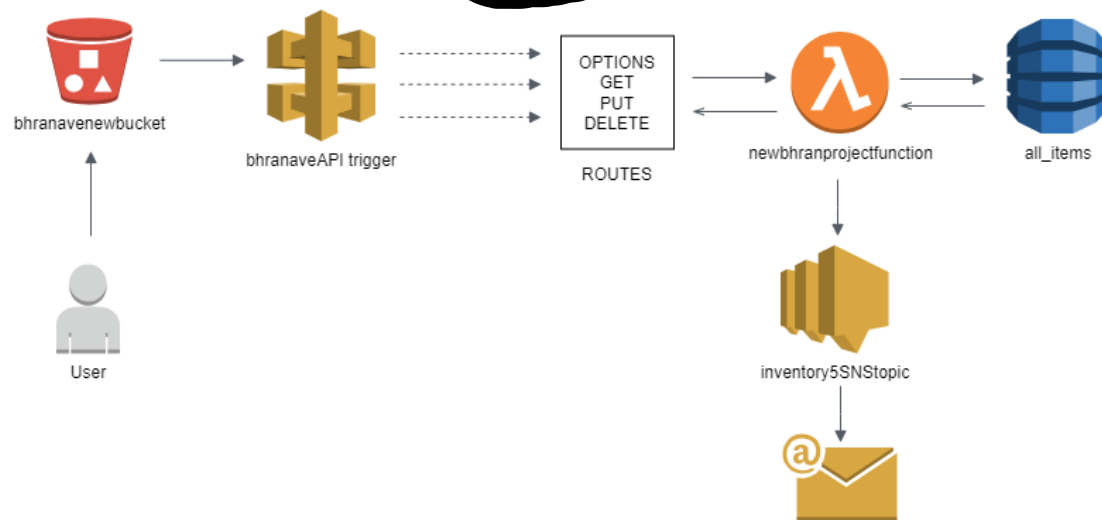
- [REDACTED]
- **Kalyankumar Shencottah** [REDACTED]

Tasks accomplished

- Visualizing the components deployed to S3 Bucket and using Lambda function to demonstrate GET, PUT, and DELETE connecting to DynamoDB.
- Demonstrating the use of SNS to send Email
- Demonstrating the use of SNS, SQS and Lambda functions

Technical Architecture – Infrastructure Diagram – Task 1

Cloud Computing AWS - Infrastructure Diagram - Task 1
Visualizing the components deployed to S3 Bucket and using Lambda function to demonstrate GET, PUT, and DELETE connecting to DynamoDB and notified through email using SNS.
HTW Berlin Winter Semester 2023/2024, Exam Date : Feb 2nd 2024



Technical Architecture – Infrastructure Diagram – Task 2

Cloud Computing AWS - Infrastructure Diagram - Task3
Demonstrating the use of SNS, SQS and AWS Lambda functions
HTW Berlin, Winter Semester 2023/2024, Exam Date : Feb 2nd 2024
Under guidance of Prof. Nico Schoennagel





Reference

1. https://www.youtube.com/watch?v=ciTa2l7tDE&t=54s&ab_channel=DigitalCloudTrainin
g.
2. <https://github.com/aws-samples/aws-serverless-ecommerce-platform>
3. <https://docs.aws.amazon.com/AWSCloudFormation/latest/UserGuide/aws-resource-s3-bucket.html>.
4. <https://docs.aws.amazon.com/sns/latest/dg/welcome.html>.
5. <https://www.geeksforgeeks.org/build-serverless-web-app-with-aws-lambda/>
6. <https://docs.aws.amazon.com/lambda/latest/dg/foundation-iac.html>
7. https://www.youtube.com/watch?v=NrWkyzQMh4w&ab_channel=EndreSynnes
8. <https://chat.openai.com/c/4c9cd202-341a-4a12-807b-c1034da91f2d>