AWS PROJECT

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AIM

- The aim of the mini project "Serverless Web Application in AWS" is to develop a fully functional web application utilizing AWS serverless services and architecture.

PROBLEM STATEMENT

- In the ever-evolving landscape of web development, serverless computing has emerged as a transformative paradigm, offering unparalleled scalability, cost-efficiency, and ease of maintenance.
- The problem at hand is to design, develop, and deploy a serverless web application on Amazon Web Services (AWS).

OBJECTIVE

- The main objective of this project is to build an “Serverless web application which has flexible scaling , high availability and with no ideal capacity.
- Whenever there are servers its hard to manage that we have memory issues ,scaling issues and upstream/downstream issues.
- So our primary objective is to host our applications in serverless architecture which include efficient maintenance of cost and maintenance.

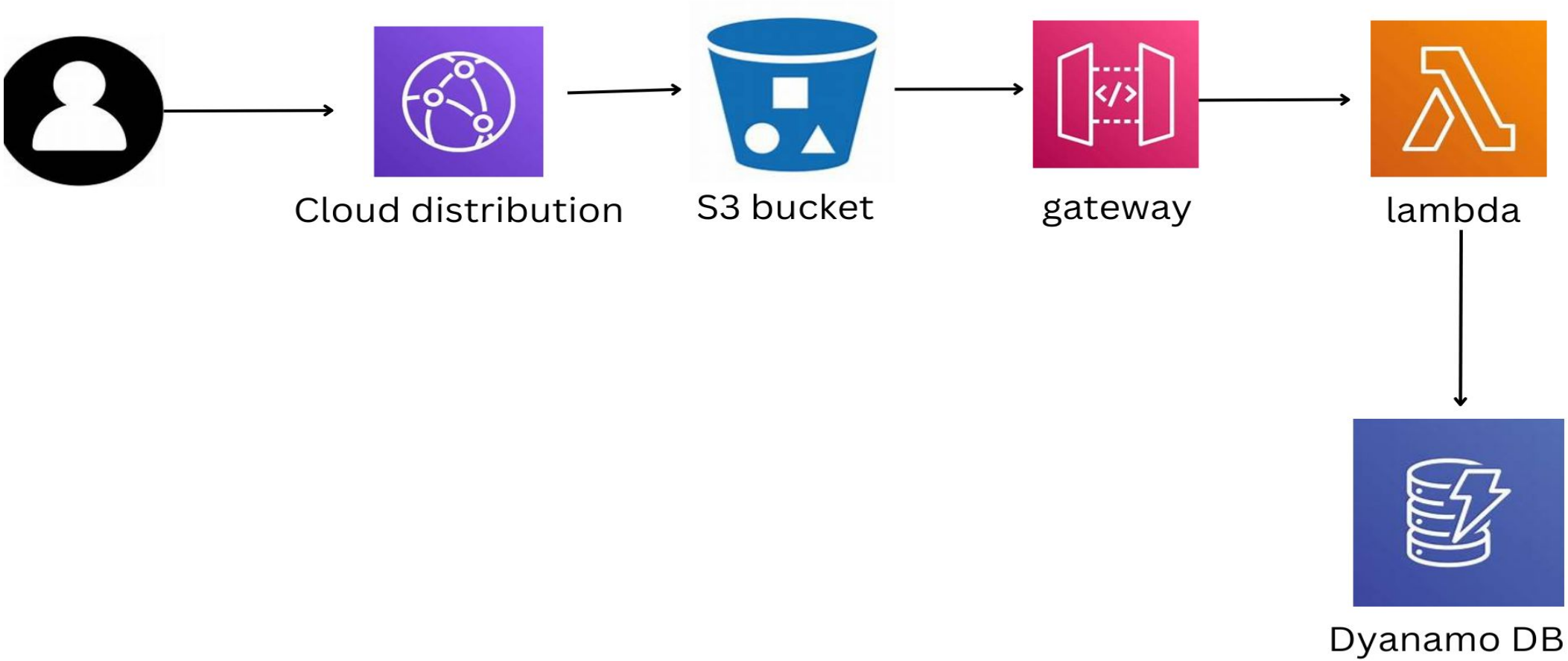
WHY SERVERLESS?

- Flexible scaling.
- High availability.
- No ideal capacity.
- Easy to deploy.
- Cost efficient.

STEPS INCLUDED

- Host application in S3 bucket.
- Grant CDN(cloud distribution) Infront of S3.
- Access application with CDN.
- Create a DynamoDB table.
- Create a lambda function(serverless).
- Create API Gate way and enable CORS.
- Test the application

APPLICATION ARCHITECTURE



CONCLUSION

- In conclusion, the "Developing a Serverless Web Application on AWS" mini project represents a significant step forward in the realm of modern web development. By tackling the challenges of designing, developing, and deploying a serverless web application on Amazon Web Services (AWS), participants have had the opportunity to gain invaluable experience and skills in the rapidly evolving field of cloud-native computing.

REFERENCES

- AWS Documentation: The official AWS documentation provides in-depth information on AWS services, best practices, and architectural guidance, including extensive documentation on serverless services.