ASSIGNMENT

20MCA265-Cloud Computing

MICRO COURSES :

- INTRODUCTION TO THE AWS CLOUD
- JOB ROLES IN THE CLOUD

Course duration: 1hour

Submitted on 18-10-23

Submitted to   Submitted by

Ms. Navyamol K.T   Aswin K Sinu

                                                       S3 RMCA-A

                                                       Roll no: 29

Reg no :_____   Name :_____

AMAL JYOTHI COLLEGE OF ENGINEERING, KANJIRAPPALLY
ASSIGNMENT
20MCA265 - CLOUD COMPUTING
MCA2022-24-S3A

Max Marks: 10

Answer all questions.

Q.No Question   **Mark**

1.   Enroll to the following course in AWS Skill Builder and submit an evaluation study on the courses   (10)

- Introduction to the AWS Cloud ID: E-08NGDV
- Job Roles in the Cloud ID: E-GVP8QV

Submit a report on this along with course summary and certificate.

COs : CO1,CO2,CO3,CO4,CO5,   BLs : Understanding,Analysing,Evaluating,Creating

INTRODUCTION TO THE AWS CLOUD

Summary

"Cloud Computing, exemplified by AWS, revolutionizes IT service delivery through internet-based, on-demand resources. AWS empowers users to instantly access servers, databases, and storage, treating them as versatile, expendable assets. Its benefits encompass risk reduction, seamless resource scaling, disaster recovery, and robust data security.

Agility thrives in the cloud, slashing change management costs and furnishing dependable computing platforms for diverse applications. Speed, experimentation, and a culture of innovation drive this agility. AWS excels at swift resource provisioning and decommissioning.

Elasticity, a hallmark of AWS, simplifies resource scaling. Auto Scaling and Elastic Load Balancing tools automate this process. AWS's global presence minimizes latency and procurement delays. Architectural planning ensures reliability, coping with demand changes and failures.

AWS's reliability stems from its vast scale, aided by Regions and Availability Zones that offer redundancy and fault tolerance. High availability minimizes downtime without human intervention.

Security is paramount, with AWS affording customers control over their data, encryption, and compliance. Continuous resource monitoring and adherence to stringent security requirements bolster security measures.

AWS's extensive suite of cloud-based products empowers organizations to expedite operations, reduce IT expenses, and expand. It has earned the trust of both enterprises and startups, catering to a wide array of workloads spanning web and mobile apps, game development, data processing, storage, and more."

Certificate

aws training and
certification

Certificate of Completion

Aswin K Sinu

successfully completed

Introduction to the AWS Cloud

on

10/18/2023

JOB ROLES IN THE CLOUD

Summary

The course "Job Roles in the Cloud" delves into the benefits of transitioning to the AWS cloud and its impact on traditional on-premises IT roles. AWS Cloud presents a dynamic alternative that enhances development speed, scalability, and innovation, empowering businesses to seize broader digital opportunities now and in the future.

Key course features include:

Cloud Benefits: This course emphasizes the advantages of migrating to AWS Cloud, highlighting its stark contrast with traditional on-premises IT management. It explores the cloud's flexibility to scale, accelerate development, and fuel innovation.

AWS Global Cloud Infrastructure: AWS receives acclaim for its extensive, secure, and dependable cloud infrastructure, offering over 200 fully-featured services across global data centers. This empowers businesses to deploy applications worldwide seamlessly, ensuring low-latency connectivity for end-users.

Shift in Job Roles: As organizations embrace cloud technology, traditional IT roles undergo transformation. For instance, the responsibilities of a System Administrator, previously centered on on-site hardware and infrastructure, now shift to AWS.

Job Roles:

Cloud Architect: Cloud Architects are tasked with designing and implementing cloud solutions aligned with organizational objectives and technical requirements. They ensure efficient utilization of cloud resources.

System Administrator: In an on-premises setting, System Administrators oversee on-site hardware and infrastructure. With cloud adoption, these responsibilities transition to cloud service providers like AWS.

Security Administrator: Security Administrators are responsible for safeguarding cloud-based systems, data, and applications. They enact security measures and policies to shield against cyber threats.

DevOps Administrator: DevOps Administrators hold a pivotal role in automating and streamlining development and deployment processes in a cloud environment. They bridge the gap between development and operations teams, ensuring efficient and continuous delivery.

In summary, "Job Roles in the Cloud" underscores the benefits of adopting AWS Cloud and the evolution of IT job roles. It emphasizes the central role of AWS in providing a secure and scalable cloud infrastructure while introducing essential cloud job roles, including Cloud Architect, System Administrator, Security Administrator, and DevOps Administrator.

Certificate

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Job Roles in the Cloud

on

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