nuware

Cloud Computing

Cloud computing plays several crucial roles in DevOps practices, helping organizations streamline their software development and IT operations processes. Also enables access to a shared pool of computing resources, such as servers, storage, databases, networking and software over the internet.

Key Highlights

- ## Scalability and Flexibility:

    Cloud services can easily scale up or down to accommodate changing workloads, ensuring optimal performance and cost-efficiency.

- ## Cost-Efficiency:

    Cloud services often replace capital expenses with operational expenses, reducing IT infrastructure costs and improving budget management.

- ## Security:

    Cloud providers implement robust security measures, including encryption, authentication, and access controls, to protect data and applications.

- ## Service Models:

    Cloud offers Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS), catering to different user needs.

- ## Deployment Models:

    Public, private, and hybrid clouds allow organizations to choose the level of control and security that suits their requirements.

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Challenge

Managing on-premises environment require more resources, higher operational costs and security risks.

Solution

Adoption of Amazon web services makes to build the infrastructure easily scalable.

Impact

Infrastructure scalability, High security levels, Cost savings, Disaster recovery, Serverless computing.

Challenge

Before adopting cloud computing, on-premises environments faced several challenges. Managing different environments, including development, QA, and production was complex and error-prone. On-premises infrastructure incurred higher costs, and deployments occurred on local machines, making software installation on servers a time-consuming and labour-intensive process.

NuSolution

- NuWare adopted Amazon Web Services and designed the architecture for development, QA and production environments.
- Designed a fully automated continuous integration and continuous deployment process.
- Deployed applications on AWS and running smoothly.
- Manages the access to AWS services securely and logging is enabled for most of the services.
- The adoption of Amazon Web Services helps to build, deploy, and Scale applications efficiently and securely.

Impact

The adoption of Amazon Web Services as Cloud computing technology makes NuWare to build the infrastructure easily scalable. Hassle-Free environment, no need to worry about the hardware or software compatibility! Cloud service provider will handle the upgrades and also provides tools and services for implementing continuous integration, continuous delivery (CI/CD), and automation. With high security levels, data loss on the cloud is prevented.