Virtualization: Fundamental concepts of compute:

Virtualization in cloud computing is making a virtual image of the storage devices servers or network resources so that they can be used on multiple machines at the same time.

Types of Virtualization

1. Hardware Virtualization
2. Software Virtualization
3. Memory Virtualization
4. Storage Virtualization
5. Data Virtualization
6. Network Virtualization
7. Desktop Virtualization
8. Operating System Virtualization

Benefits of Virtualization

1. Security
2. Economy
3. Flexible operations
4. Flexible transfer of data
5. Eliminates risk of system failure

Cloud Computing:

EasyExamNotes.com covered following topics in Cloud Computing.

- Introduction to Cloud Computing
- Historical development of Cloud Computing

- Vision of Cloud Computing
- Characteristics of cloud computing as per NIST
- Cloud computing reference model
- Cloud computing environments
- Cloud services requirements
- Cloud and dynamic infrastructure
- Cloud Adoption and rudiments
- Cloud application: ECG Analysis in the cloud
- Cloud application: Protein structure prediction
- Cloud application: Gene Expression Data Analysis
- Cloud Computing Architecture
- Types of Clouds
- Cloud Interoperability & Standards
- Scalability and Fault Tolerance
- Cloud Ecosystem
- Cloud Business Process Management
- Cloud Service Management
- Cloud Analytics
- Testing Under Control
- Virtual Desktop Infrastructure
- Cloud Resiliency
- Cloud Provisioning
- Asset management
- Concepts of Map reduce
- Cloud Governance
- High Availability and Disaster Recovery
- Virtualization in cloud computing

- Server virtualization
- Hypervisor management software
- Third Party Cloud Services
- Case Study: Google App Engine
- Case Study: Microsoft Azure
- Case Study: Hadoop
- Case Study: Amazon

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