

Pure Certified Data Storage Associate



Online Course

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Course Modules

1. Networking

- Recognize fibre channel
- Differentiate fibre channel from ethernet
- Identify switch types, cable and connector options
- Explain fibre channel concept
- Recognize different load balancing algorithms like ECMP, FSPF
- Understand multipathing & how to efficiently use multiple paths
- Diff technologies for maximizg throughput across fibre channel
- Explain iscsi concepts
- Explain ethernet concepts

2.Virtualization and Containers

- Identify difference between bare metal and virtualized service
- Recognize impact of oversubscription
- Identify different types of containers and orchestration



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3.Storage

- Describe different storage access protocols (FC, iSCSI, NFS)
- Define the different networking for various storage types
- Explain the storage access layer for block storage
- Recognize use cases for DAS, SAN and NAS
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- Recognize difft data protection schemes such as RAID erasure
- Differentiate between disc, flash, RAM
- Recognize use cases for different storage types
- Indicate architectural advantages of scale up vs scale out
- Identify architectural advantgs of active-active vs active-passive

4.Cloud

- Identify different cloud storage providers
- Recognize benefits of public cloud, private cloud and hybrid
- Identify when to apply file, block, object storage types to cloud



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5.Data Protection

- Recognize benefits of different replication technologies
- Recognize benefits of different requirements for disaster recovery
- Identify different backup solution
- Describe snapshot technology and its benefits
- Explain differences between application consistency and crash
- Security domains like authentication, authorization & accountability
- Discuss benefits of encryption & what data should be encrypted
- Recognize how to prevent and mitigate ransomware attacks



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in terms of time management,
flexibility, and the ability
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**For contact: +91 8680961847
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