CCSP – Certified Cloud Security Professional

Bharathi M – SSCP, CISSP

What is Cloud?

- Cloud computing is a model for enabling ubiquitous, convenient, on-demand network access to a shared pool of configurable computing resources (e.g., networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service provider interaction

    - *Source: NIST*

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What is Cloud?

– Image source: internet

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Cloud Computing Roles

- Cloud Service Provider – CSP
- Cloud Customer
- Cloud Service Partner
- Cloud Access Security Brokers – CASB

AWS Partner Network – https://aws.amazon.com/partners/

Azure Partner – https://azure.microsoft.com/en-us/partners/

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Cloud – Essential Characteristics

1. On-demand self-service
2. Broad network access
3. Resource pooling
4. Repaid Elasticity
5. Measured Service

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Cloud – Service Models

1. Software as a Service (SaaS)
2. Platform as a Service (PaaS)
3. Infrastructure as a Service (IaaS)

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Cloud – Deployment Models

1. Private
2. Public
3. Hybrid
4. Community

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Cloud – Multitenancy

• Multitenancy is a type of computing architecture in which one or more logical software instances are created and executed on top of primary software

— *Source: techopedia*

– Image source: internet

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CBA – Cost Benifit Analysis

Google Drive [2 TB]	
Yearly	6500
5 Years	32500

Personal Server [2 TB]		
Dell PowerEdge R240 Rack Server	93000	
Toshiba Canvio Basic 1TB A3 USB3.0	3799	
Setup time	???	
Electricity	???	X 5 years
Maintenance	???	X 5 years
IP address	???	X 5 years
Operating system	???	X 5 years

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