Networking

Cloud Connectivity Options

Connectivity Options

- VPN – Virtual Private Network
  - Sends data securely over a network
  - Establishes encrypted tunnels to route traffic from your data center to your cloud resources

- Private-Direct Connection
  - A dedicated circuit installed between your data center and an interconnection provider or directly to the cloud provider
  - Low latency and very secure

Multitenancy, Elasticity, and Scalability

- Multitenancy - multiple customers of a cloud vendor are using the same computing resources
  - Single software instance serving multiple users

- Elasticity – Resources are added when needed
  - Also removed when not needed

- Scalability – Easily add or subtract computing or storage devices

Cloud Security Implications

- Technicians falling victim to phishing attacks
- Customers failing to ensure the provider keeps their data safe
  - Especially in multitenant environments
- Specific standards not being developed for certain issues
- Not knowing where data is located when on the cloud
  - Must follow laws and regulations