***Azure SQL Fundamentals***

**Describe the evolution of Azure SQL.**

**Determine which deployment option is best for workloads in your organization.**

**Select the purchasing models, service tiers, and hardware that best first a workload.**

Microsoft Softwares and Services became the largest part product.

Windows Azure Services and Software was created by Ray Ozzie the Microsoft’s Chief Software Architect.

Since 2010, Azure SQL became the cloud computing platform.

**Azure SQL deployment options**

SQL virtual machines provides the best migrations and applications through OS-Level Access.

Azure offers virtual workshops between the connection of the SQL server and Azure server to rent out spaces.

Take advantage of the SQL Server and Infrastructure as a Service.

**SQL Server on Azure Virtual Machines**

Virtual machines can be used to create right storage configuration and take advantages of automated backups as well.

Key features are SQL Server and OS server Access, Windows, Linux and Containers.

Business continuity will allow my business to continue operating in the face of disruption.

**Purchasing models, service tiers, and hardware choices**

Azure SQL purchase to those models through virtual cores and database transaction units.

I will be paying for compute resources, data and log storage and backup storage location.

Service tier comes under Business Critical, Hyperscale and General Purposes.

Compute tier are attached to elastic pools and compute resources to create a handful of workload and databases as well.

Hardware have an impact on producing Confidential Computing and memory-optimized through the performance, availability and cost of my deployment as well.

Management Interfaces for Azure SQL

I would be able to deploy, use and manage Azure SQL Resources through a virtual machines, interfaces, and tools as well.

Azure Data Studio and network let me to arrange code cells and formatted text.

Somewhere along the line, I would be able to save the results from for the future.

There are many interfaces to interact with the Azure SQL.