Cloud Computing

Service delivery model over the internet (cloud). This includes but is not limited to

* **compute power** meaning servers such as windows, linux, hosting environments, etc.
* **storage** like files and/or databases
* **networking** in azure but also outside when connecting to your company network
* **analytics** services for visualization and telemetry data

Key concepts

* **scalability** is the ability to scale, so allocate and deallocate resources at any time
* **elasticity** is the ability to scale dynamically
* **agility** is the ability to react fast (scale quickly)
* **fault tolerance** is the ability to maintain system uptime while physical and service component failures happen
* **disaster recovery** is the process and design principle which allows a system to recovers from natural or human induced disasters
* **high availability** is the agreed level of operational uptime for the system. It is a simple calculation of system uptime versus whole lifetime of the system.
  + availability = uptime/(uptime + downtime)

PRACTICE TEST LINK: https://marczak.io/az-900/episode-01/practice-test/