

# 1.0 Cloud Basics

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## ▼ What's Cloud

- Delivery of computing services over the Internet using a pay-as-you-go pricing model
    - In other words: a way to rent compute power and storage from someone else's data center
  - Pay-as-you-go: You're only billed for what you use
    - Instead of maintaining CPUs and storage in your data center, you rent them for the time that you need them
      - The cloud provider takes care of maintaining the underlying infrastructure
    - On-demand access:
      - You treat cloud resources like you would resources in your own datacenter. When you're done using them, give them back
  - The real value of the cloud: speed
    - Enables you to quickly solve your business challenges and bring cutting edge solutions to your users
    - In less time than it takes to eat lunch, you can create & deploy a website on Azure
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