**SECTION 1: UNDERSTANDING AWS**

**Definition**

***AWS*** = *Amazon Web Services* (Cloud Computing services)

* Also known as Infrastracture as a Service (IaaS)

***Cloud Services***

* *High Availability* = it can be accessed anywhere given with internet connection
* *Fault Tolerant* = backup
* *Scalability =* Quickly grow on demand
* *Elasticity* = space can grow and shrink on demand

**SECTION 2: INTRODUCTION TO CORE AWS SERVICES**

1. **Understanding VPCs**

**Definition:** Virtual Private Cloud

Private section of *AWS,* where you can place *AWS* resources, and allow/restrict access to them. (Example Facebook)

Under this includes *EC2* and *RDS* but not *S3*

1. **Understanding EC2 (Part 1)**

Illustration: Netflix

**Definition: Elastic Compute Cloud**

The computing power of your clouud (i.e. a computer, or a server). Example, this hosts and run the code

**Instance**

Common use: web hosting

Note: *AWS* automatically scale up and shrink the *EC2* instances depending on number of users. You’ll only pay for what you use

1. **Understanding RDS**

**Definition:** Relational Database Service

Used for Database platforms

Common Use: Customer Account Info (i.e. logging in), Inventory Catalog

1. **Understanding S3**

**Definition:** Simple Storage Service

Unlimited Storage “Bucket”

1. **Understanding EC2 (Part 2)**

**SECTION 3: UNDERSTANDING HOW AWS IS PHYSICALLY SETUP**