**Fundamentals of Cloud Computing**

**Why Cloud Computing?**

* It’s everywhere
* It’s powerful
* It can run just about any application, anywhere, anytime, at any scale
* It makes your life easier
* Allow you to do more, with less, be more efficient, save time, and save money

**What is Cloud Computing?**

On demand computing resources, delivered to you over the internet.

A computing service you traditionally did local (on premises), now performed remotely, across the Internet (off-premises)

**Risks of Cloud Computing**

* Placing your trust in the cloud provider
* Potential for data loss
* Potential for slow access to your data
* Potential questions related to legal/regulatory
* Potential for loss of customization
* Potential for unknown costs

**Forms of Cloud Computing**

* SAAS – Software as a Service
* IAAS – Infrastructure as a Service
* **PAAS** – Platform as a Service
* FAAS – Function as a Service
* (?AAS) – (everything) as a Service

**What has cloud been called in the past?**

* Centralized computing
* Grid computing
* Distributed computing
* On-demand computing
* Hosting
* Application service provider (ASP)