CLOUD COMPUTING

A distributed, elastic, self provisioning, computing model that permits on-demand network access from anywhere to a shared pool of resources and information.

Cloud Computing Service Models

- **Software as a Service (SaaS)**
  - End-user applications delivered as a service, rather than on-premises software

- **Platform as a Service (PaaS)**
  - Application platform or middleware as a service on which developers can build and deploy custom applications

- **Infrastructure as a Service (IaaS)**
  - Compute, storage or other IT infrastructure as a service, rather than as dedicated capability
CLOUD COMPUTING

Should I Be Worried About My Data?

How committed to compliance is your chosen provider?
• HIPAA
• FISMA
• SOX
• PCI DSS

What services are you moving to the cloud?
• Searchable Records
• Back Office Services (e-mail, collaboration, working files)
• Web Portal

Which/what cloud service model(s) are you leveraging?
• SaaS
• PaaS
• IaaS

What is the data sensitivity?
• PII
• IP
• CJI
• Financial
• Health Records
Some Cloud Service Provider Must-Haves

- Transparency
- Encryption at rest and in transport
- Personnel security screening
- Customer or 3\textsuperscript{rd} party audit
- Responsiveness to E-Discovery
- Clear access control mechanisms
- Granular breach response
- Exit Strategy