Module 3 - Service Models, Abstraction Levels, SPIDERS
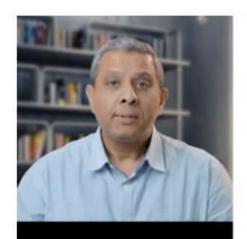
Myths of cloud computing

- There's one single "Cloud"
- All you need is your credit card
- The cloud always saves you money
- The cloud always reduces your workload
- Integration (two versions)
  - You can seamlessly blend your private "Cloud" (your virtualized datacenters) with public providers
  - You won't ever be able to seamlessly blend your public and private clouds

10

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Service delivery models

Gartner: a style of computing where massively scalable IT-enabled capabilities are delivered 'as a service' to external customers using Internet technologies.

Layer	Provided by	Replaces / Uses / Enhances
Applications Layer	Google Microsoft Salesforce Amazon	Software as a Service — Service Oriented Architecture; WebApps - Access from Anywhere; Multi-tenancy
Platform Layer	Google App Engine Force.com Cloud Foundry Jelastic Elastic Beanstalk Heroku	Platform as a Service — WebApps - Access from Anywhere; Foundation Components; Multi-tenancy; Click and Administer; Big Data Platform; Managed Web App Infrastructure
Infrastructure Layer	Amazon Web Services Google Compute Engine Azure IBM Bluemix Linode Alibaba Cloud	Infrastructure As A Service — Grid Computing; Scalable Datacenters; Utility-style Metering & Billing; Hardware Virtualization; Online Storage; On-demand Computing; Click and Administer; Infrastructure Outsourcing

11