## Module 3 - Service Models, Abstraction Levels, SPIDERS



- PGP in Cloud Computing
- 2 There is nothing called Cloud Computing?
- Our focus
- 4 A few stories
- What does the business worry about?
- 6 The classical enterprise
- 7 Why cloud?
- A short history and evolution
- 9 Any definitions?
- 10 Myths of cloud computing
- 11 Service delivery models
- 12 Cloud providers comparison
- 13 SPIDERS
- 14 A perspective

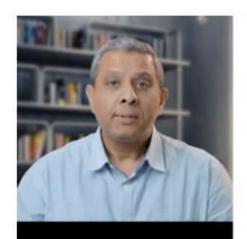


## Myths of cloud computing

- · 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

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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.



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

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