

# Module 4 - Cloud Attributes, Managed Services & Deployment Models



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## Cloud computing attributes



**Choice of provider** - Based on business need and partnership models. Market competition is good for consumers as it avoids monopoly



**Agility, OnDemand, Self service** - Procurement latency is not longer a barrier



**Resource pooling** - leverage economies of scale for cost reduction



**Admin & Monitoring** - being proactive is better than reactive



TECHNICAL TEAM

**Resilient, Elastic & Subscription** - build architecture to sustain failures, no need to plan infrastructure ahead of time based on speculation & convert capex to opex



Ops Team



TECHNICAL TEAM

**Core data center services** - Compute, Storage & Networking, focus more on business rather than data center operations



TECHNICAL TEAM

**Managed services** - hosted managed services allow developers to focus on core applications with business logic, support services become an API call

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## Cloud offerings



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## Cloud deployment models

- Private
  - Cloud computing properties are enabled in a company-internal data center
  - Alternatively, the Private Cloud may be hosted exclusively in the data center of an external provider, then referred to as outsourced Private Cloud
  - Public Cloud providers also offer means to create an isolated portion of their cloud made accessible to only one customer: a Virtual Private Cloud (aka Private Networking) which is the default behavior for many public cloud providers

