



Cloud Computing SEWP ZG527



laaS

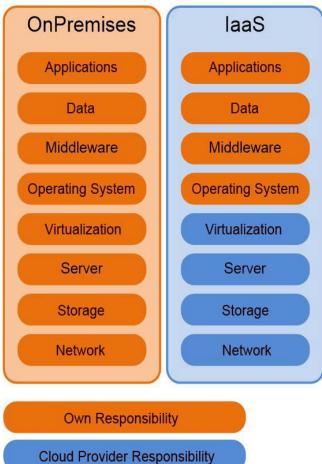
Really, what is iaas???



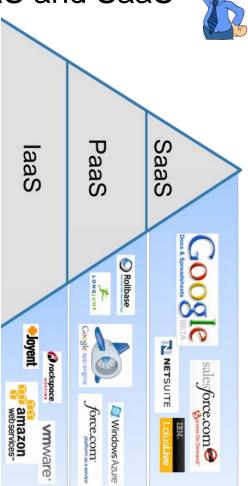


heard of 3 models of Cloud Computing?

Yes, Yes, IaaS, PaaS and SaaS



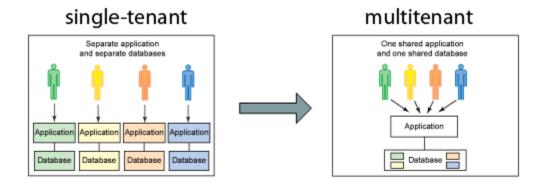




Key concepts of laaS

 Cloudbursting: The process of off-loading tasks to the cloud during times when the most compute resources are needed

Multi-tenant computing



- Resource pooling: Pooling is a resource management term that refers to the grouping together of resources (compute(cpu), network(bandwidth), storage) for the purposes of maximizing advantage and/or minimizing risk to the users
- Hypervisor

Two primary facets that make laaS special

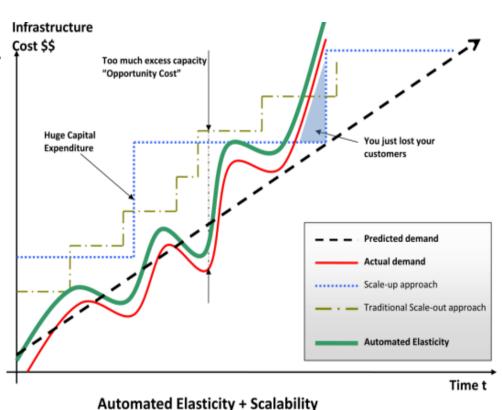
Elasticity:

Wikipedia: "In **cloud** computing, **elasticity** is defined as the degree to which a system (or a particular **cloud** layer) autonomously adapts its capacity to workload over time"

OR simply put "Ability of a system to expand or contract its dedicated resources to meet the demand"

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Virtualization



4 considerations:

- Developing for a specific vendor's proprietary laaS could prove to be a costly mistake
- The complexity of well-written resource allocation software is significant and do not come cheap
- What will you be sending off to be processed in the cloud? Sending data such as personal identities, financial information, and health care data put an organization's compliance at risk
- Understand the dangers of shipping off processes that are critical to the day-to-day operation of the business.
- http://www.ibm.com/developerworks/cloud/library/cl-cloudservices1iaas/