

Cloud Computing Models

- Types of Cloud Services -

Cloud Computing Models

- ❑ There are three major types of cloud services available:
 - ❑ IaaS – Infrastructure as a Service
 - ❑ PaaS – Platform as a Service
 - ❑ SaaS – Software as a Service

- ❑ Differences between them:
 - ❑ Flexibility and management
 - ❑ Tasks' ownership
 - ❑ Pricing model
 - ❑ Address different business needs

Infrastructure as a Service - IaaS

- ❑ With IaaS, you literally rent IT infrastructure – servers and virtual machines (VMs), storage, networks, OSs – from Azure Cloud, on a pay-as-you-go basis
- ❑ IaaS provides the highest level of flexibility and management control over the infrastructure



Virtual Machine

Platform as a Service - PaaS

- ❑ PaaS offers an on-demand environment for developing, testing, delivering and managing software applications
- ❑ Mostly used by developers; quickly create web or mobile apps, without taking care of the underlying infrastructure of servers, storage, network, DBs, etc.



App Services

Software as a Service - SaaS

- ❑ Software as a Service is a method for delivering software applications over the Internet, on demand and typically on a subscription basis (monthly/yearly)
- ❑ With SaaS you do not have to think about how the service is maintained or how the underlying infrastructure is managed; you only need to think about how you will use the App



Gmail

IaaS | PaaS | SaaS Example

YOU OWN THE CAR = ON-PREM DC



YOU GET A TAXI = PaaS



YOU LEASE THE CAR = IaaS



YOU GET THE BUS = SaaS



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Thank you