

What is Cloud Computing?

The term Cloud computing is used to describe Internet based computing, where services such as servers, storage and applications are delivered to an organization's computers and devices over the Internet as opposed to a LAN.



Cloud Computing Options

Public Cloud

- A public cloud is one in which the services and infrastructure are provided off-site and accessible over the Internet e.g. Microsoft Azure

Private Cloud

- A private cloud is one in which the services and infrastructure are maintained on a private network e.g. Microsoft Azure Stack

Hybrid Cloud

- A hybrid cloud includes a variety of public and private clouds with multiple providers e.g. Microsoft Azure & Microsoft Azure Stack

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Benefits of Cloud Computing

Lower Cost

Pay-as-you-go means that you pay only for the resources that you use

More Flexibility

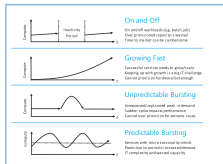
With unlimited resources, you are able to scale on the fly

Reduced Management

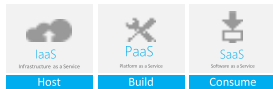
Vendor managed hardware and software means less management overhead

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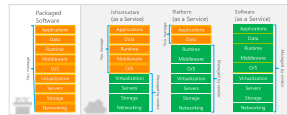
Benefits of Cloud Computing



Cloud Computing Services




Cloud Computing Services





What is Microsoft Azure

Microsoft Azure is Microsoft's public cloud computing platform	Over 100 datacenters across 58 regions worldwide	Available in 140 countries	Hyper Scale Computing <small>Top 3 networks worldwide</small>
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 Microsoft Azure

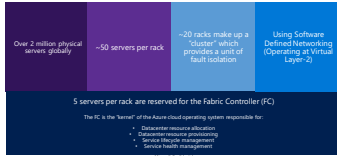
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Hyper Scale Infrastructure

- 58 regions worldwide with 4 additional regions announced



Microsoft Azure Infrastructure



Microsoft Azure Billing

- Pay only for what you use*
- VM's usage is by the second
- Storage charges still apply to deallocated IaaS VM's
- Billing can be estimated at:
<https://azure.microsoft.com/en-us/pricing/calculator/>



*Microsoft Azure Enterprise Agreement (EA) billing scenarios differ

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