How evelsites work Client Metwork !!! there is a metwork blue them that does the through the networks, into the servers => Client & Server mavigate each other through Client Server | back n forth ex. Servers are fust like network of your mail L> How mailing system work !

* What is a server composed of? > [CPU] -> do some calculations & penform operation > RAM => Store info & vetoreve, very quick Storage for data substituted evaluations of the => Database >> Store data in structured way > Network >> southers, switch, DNS server. > networking aspect IT teems :- me and the state of the state of (1) Network -> cables, ranters or servers, connected with each other. (2) Router -> device that forward data fackets blu they trovo where to send computer networks. (3) Switch -> takes a packet of sends 9+ to correct chent server on your network Switch Client Router =) switch knows to . colich computer to comin Send the data to

* problems with traditional ITappraach their numbers as the toaffect Data center place for storing keeping => pay forment >> power supply => scaling limited in the => 24/7 team to maintain >> disasters? =>15 Solution -# Lecture - 2 on-demand delivery of subute power dB storage, applications & other IT reportage you get it when you need it pay-as-you-go > cloud service platform > pay as request or when requested. Is when you are done, stop payment!

> provision the right type + size of computing resources big server small server - -- etc. access as many resources as you need. > simple way to access servers, storage, olbs services etc. AMS => via a web application The cloud office -) a datacenter (not ours) Claud Services in real life > built on AWS

Contra

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*	Deployment Models a) Cloud	· ()	À
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2	Public Cloud		
10	-> resources owned & Mission & Million	_billed	(5.1)
	operated by a 3rd barry cloud		
		ed 12	
	service provider, delivered over the internet.		
	ex Azure C-CP Malc		
	ex Azure, CTCP, AWS		
15			
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	> Six advantages of cloud computing.	muco 1	1 2
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	extend some capabilities to the cloud	fill the	, Y
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	own infrastructure AWS	Mr. Mari	7 1
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5 characterstics of Claud Computing 1) On-demand self service 3 Broad network access Multi-tenancy & versione pooling L> multiple customers can share the same infrastoucture & applicath with security & privary (4) 10 Rapid clasticity & scalability > auto matically + quickly acquire dispose major -> Quickly & easily scale up => based on demand Measured Service in the training the by pay exactly for what we used built to just 6 Advantages of Chard Computing Trade capital expense (CAPX) for operational expense (OPEX) -> bay on-demand: no hardware L> reduced Total cost of oconership (TCO). & OPEX as just senting from AWS

	Page : Date :
(<u>Q</u>)	Benefit from massive economics of scale
	La prices are reduced as AWS is more efficient due to
	large scale use.
5	· · · · · · · · · · · · · · · · · · ·
3)	Stop guessing capacity
	> Scale based on actual measured usage.
+)	Increase speed & agility
10	
5)	Stop spending money for ounning maintaining
	data centers.
5	Go global in minutes: AWS global infra.
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Commonwell (M)