









		ons								
D	Question 1								0.5 pts	
	On a scale of class:	1 to 10, j	please cl	assify yo	our persp	ective o	on mater	al cove	red in today's	
	1 2	3	4	5	6	7	8	9	10	
	Mostly Review To Me		Ne	Equal w and Rev	view				Mostly New to Me	
D	Question 2								0.5 pts	
	Please rate the	e pace of	today's o	lass:						
	1 2	3	4	5	6	7	8	9	10	
			Ji	st Right					Fast	





































































M	ORE CONCISE DEFINITION
"Cloud co	mputing is a specialized form of
distributed	computing that introduces utilization
models for	r remotely provisioning scalable and
measured r	esources."
From Cloud Con	nputing Concepts, Technology, and Architecture
Z. Mahmood, R.	. Puttini, Prentice Hall, 5 <sup>th</sup> printing, 2015
October 12, 2023	TCSS462/562:(Software Engineering for) Cloud Computing [Fall 2023]         L5.33           School of Engineering and Technology, University of Washington - Tacoma         L5.33





































	VIRTUAL	IZATION	
Virtual Machine OS Kernel Threads Processes Drivers	Virtual Machine	Virtual Machine OS Kernel Threads Processes Drivers or	Virtual Machine OS Kernel Threads Processes Drivers
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HORIZONTAL VS VE	RTICAL SCALING
Horizontal Scaling	Vertical Scaling
Less expensive using commodity HW	Requires expensive high capacity servers
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Horizontal Scaling	Vertical Scaling		
Less expensive using commodity HW	Requires expensive high capacity servers		
IT resources instantly available	IT resources typically instantly available		
Resource replication and automated scaling	Additional setup is normally needed		
Additional servers required	No additional servers required		
Not limited by individual server capacity	Limited by individual server capacity		





























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	AWS LAMBDA
Lambda func endpoint tha	tions can be invoked by creating an HTTP REST t responds to HTTP POST requests
A json object	is provided as a request object to the function
In the function interpret how	on code, the request object can be accessed to v the user parameterized the function call
The function	generates a JSON response object
AWS Lambda	is introduced in detail in Tutorial 4
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![](_page_40_Figure_4.jpeg)

![](_page_41_Figure_2.jpeg)

![](_page_41_Figure_4.jpeg)

![](_page_42_Figure_2.jpeg)

![](_page_42_Figure_4.jpeg)

![](_page_43_Figure_2.jpeg)

![](_page_43_Figure_4.jpeg)

![](_page_44_Figure_2.jpeg)

![](_page_44_Figure_4.jpeg)

![](_page_45_Figure_2.jpeg)

![](_page_45_Figure_4.jpeg)

![](_page_45_Figure_5.jpeg)

![](_page_46_Figure_2.jpeg)

![](_page_46_Figure_4.jpeg)

![](_page_46_Figure_5.jpeg)

![](_page_47_Figure_2.jpeg)

![](_page_47_Figure_4.jpeg)

![](_page_47_Figure_5.jpeg)

![](_page_48_Picture_2.jpeg)