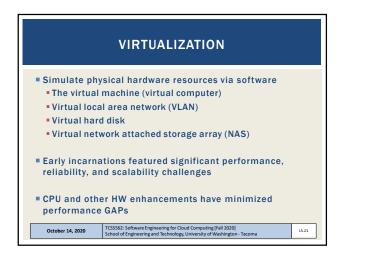
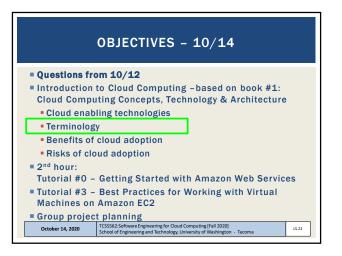
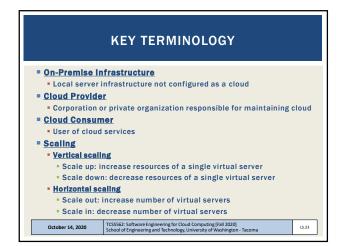


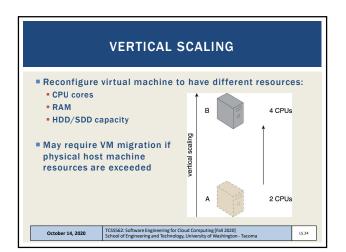
VIRTUALIZATION		
	Virtual Machine OS Kernel Threads Processes Drivers Hypervisor Hardware	
October 14, 2020	TCSS562: Software Engineering for Cloud Computing [Fall 2020] School of Engineering and Technology, University of Washington - Tacoma	

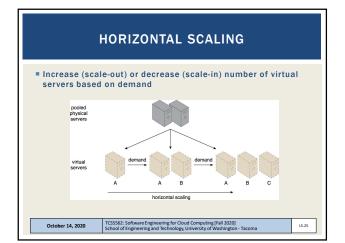
	VIRTUALIZATION		
Virtual Machine OS Kernel Threads Processes Drivers	Virtual Machine OS Kernel Threads Drivers Hypervis Hardware		Virtual Machine OS Kernel Threads Processes
October 14, 2020	TCSS562: Software Engineering for School of Engineering and Techno		Tacoma









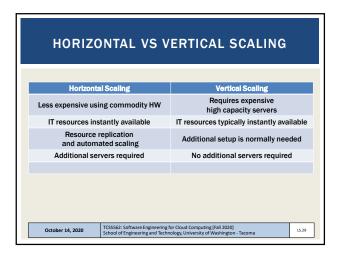


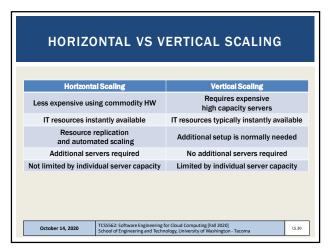
Horizontal Scaling	Vertical Scaling
Less expensive using commodity HW	Requires expensive high capacity servers

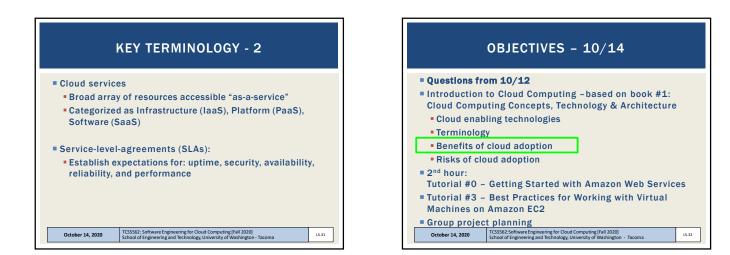
HORIZONTAL VS VERTICAL SCALING					
Horizontal Scaling		Vertical Scaling			
Less expensive using commodity HW		Requires expensive high capacity servers			
IT resources instantly available		IT resources typically instantly available			
	TCSS562: Software Engineering for Cloud Computing [Fall 2020] School of Engineering and Technology, University of Washington - Tacoma				

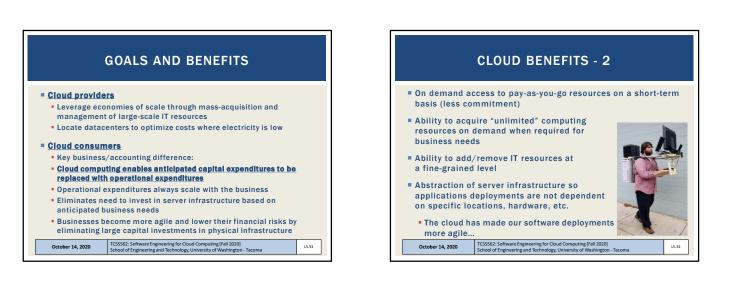


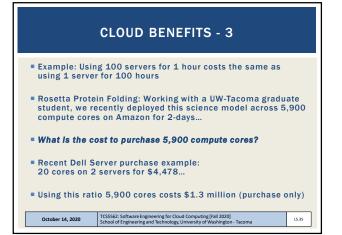
Horizontal Scaling		Vertical Scaling	
Less expensive using commodity HW		Requires expensive high capacity servers	
IT resources instantly available		IT resources typically instantly available	
Resource replication and automated scaling		Additional setup is normally needed	
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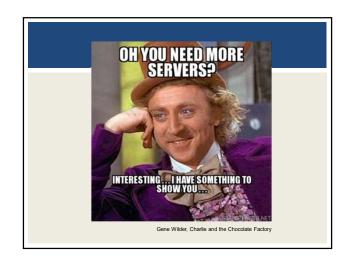


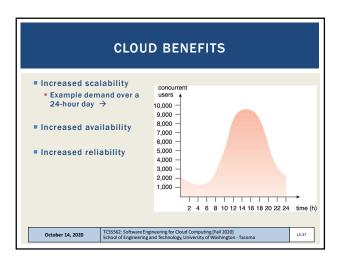


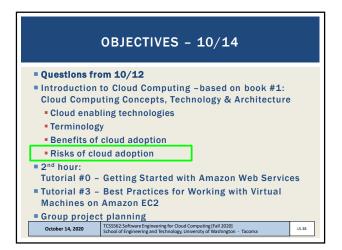




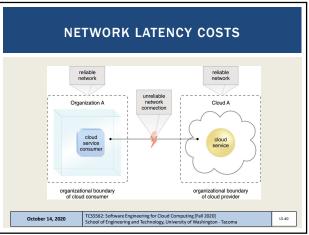




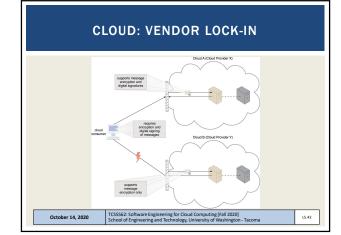




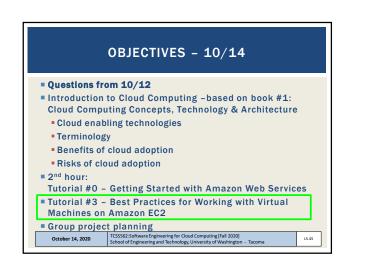


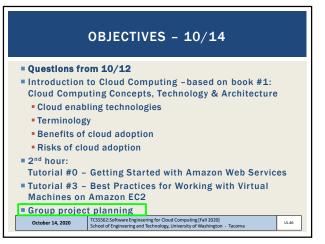


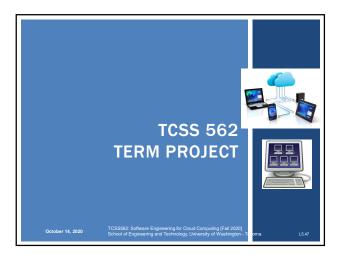




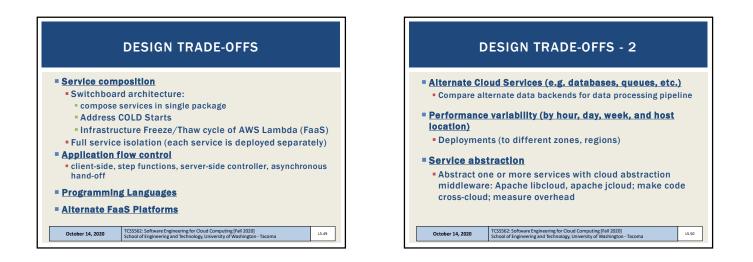


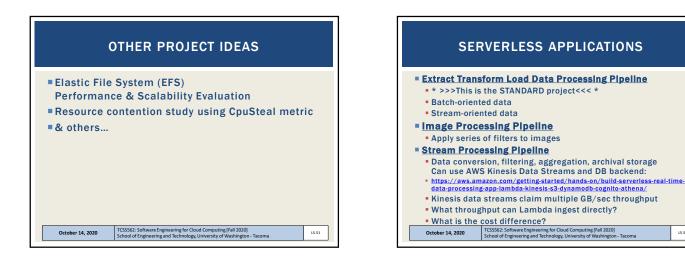


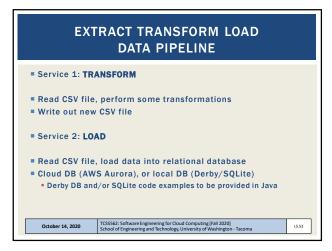


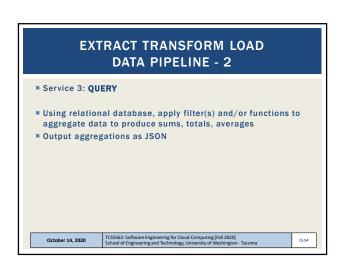












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