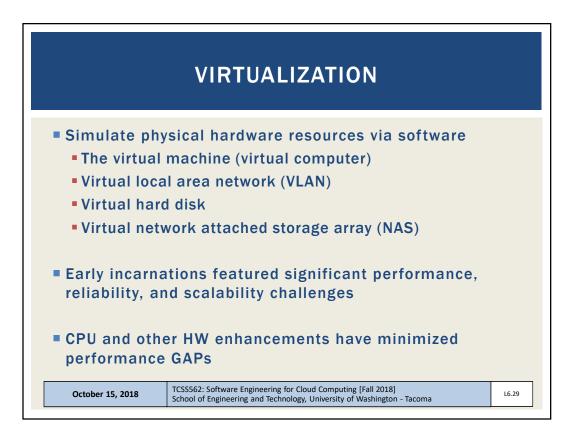
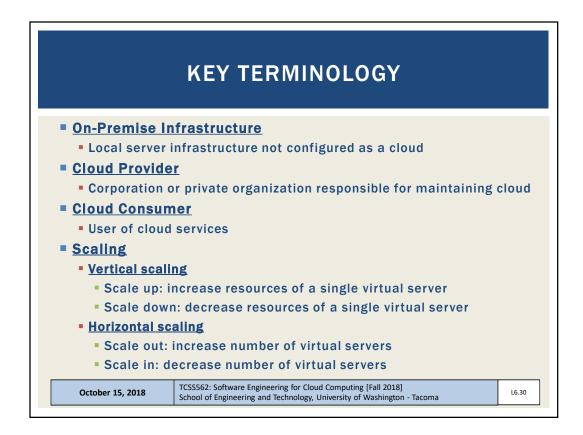
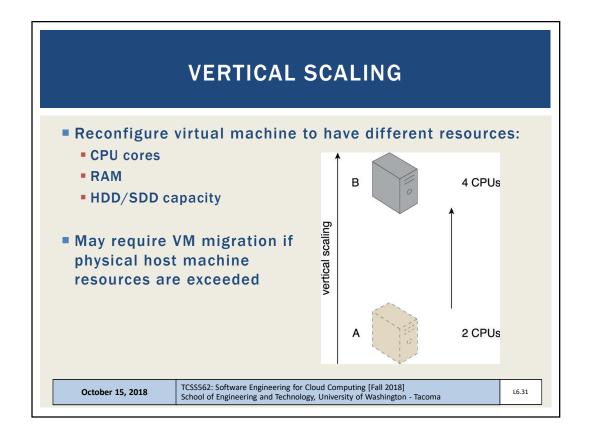


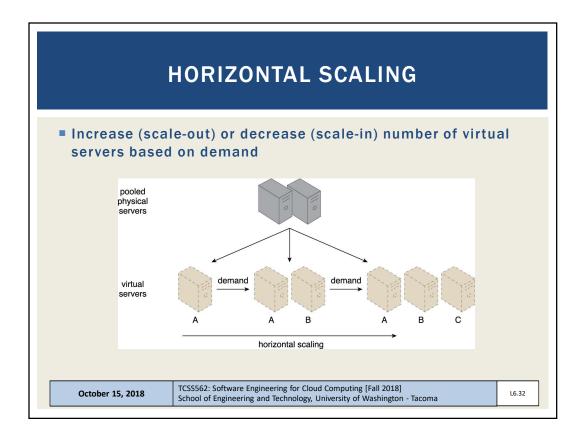
	VIRTUALIZATION
	Virtual Machine OS Kernel Threads Processes Drivers Hypervisor Hardware
October 15, 2018	TCSS562: Software Engineering for Cloud Computing [Fall 2018] L6.27 School of Engineering and Technology, University of Washington - Tacoma L6.27

	VIRTUAL	IZATION	
Virtual Machine OS Kernel Threads Processes Drivers	Virtual Machine OS Kernel Threads Processes Drivers Hypervis Hardware		Virtual Machine OS Kernel Threads Processes Drivers
October 15, 2018	TCSS562: Software Engineering for School of Engineering and Technol		Tacoma

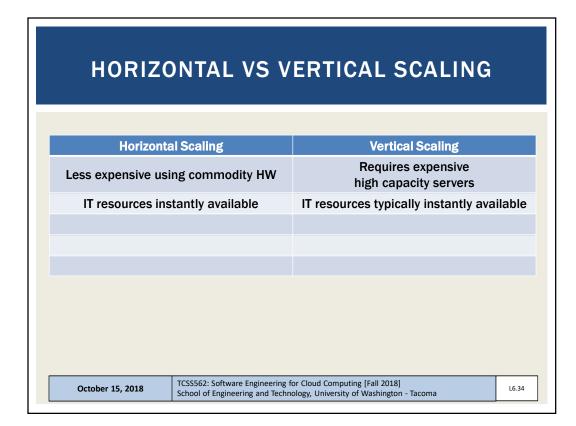


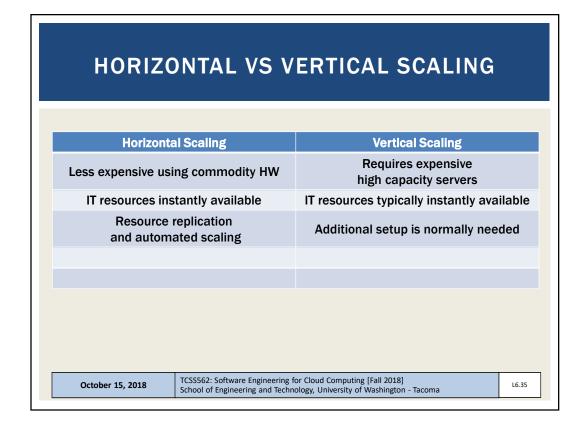






HORIZONTAL VS V	ERTICAL SCALING
Horizontal Scaling	Vertical Scaling
Less expensive using commodity HW	Requires expensive high capacity servers
October 15, 2018 TCSS562: Software Engineering f School of Engineering and Techn	or Cloud Computing [Fall 2018]





Horizontal Scaling	Vertical Scaling
Less expensive using commodity H	W 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

Horizontal ScalingVertical ScalingLess expensive using commodity HWRequires expensive high capacity servers
IT resources instantly available IT resources typically instantly avai
Resource replication Additional setup is normally need
Additional servers required No additional servers required
Not limited by individual server capacity Limited by individual server capacity

