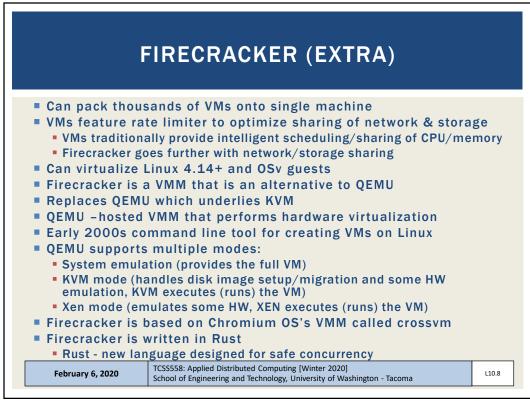
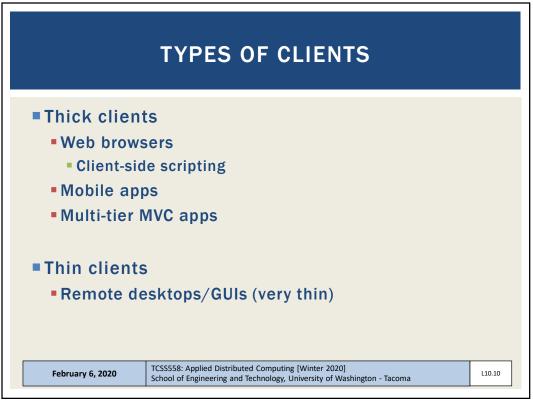


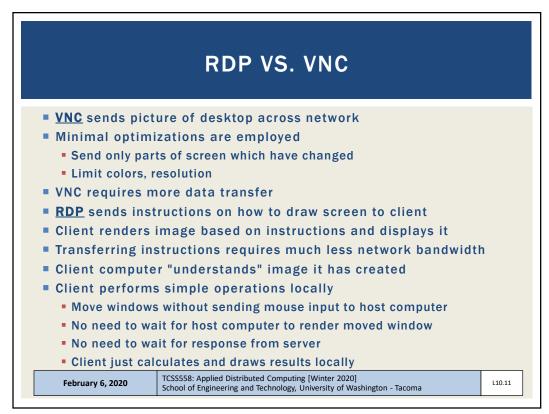
	FEEDBACK - 2
	<u>zation, can you introduce something about</u>
Firecracker?	
PITAPISINALIC	- MicroVM designed to host EasS functions /
Key take-awa	V *
ney lane-awa	<u>y -</u>
· · · · · · · · · · · · · · · · · · ·	
· · · · · · · · · · · · · · · · · · ·	ovides VM like experience (security/isolation) like agility (high speed, low overhead)
with container	like agility (high speed, low overhead)
with container	
with container	like agility (high speed, low overhead)
with container Firecracker ru Very fast VM s	like agility (high speed, low overhead)
 with container Firecracker ru Very fast VM s Leverages KV 	like agility (high speed, low overhead) Ins in user space (kernel not exposed to VMM) Startup time: ~125 ms, up to 150 VMs/sec/host



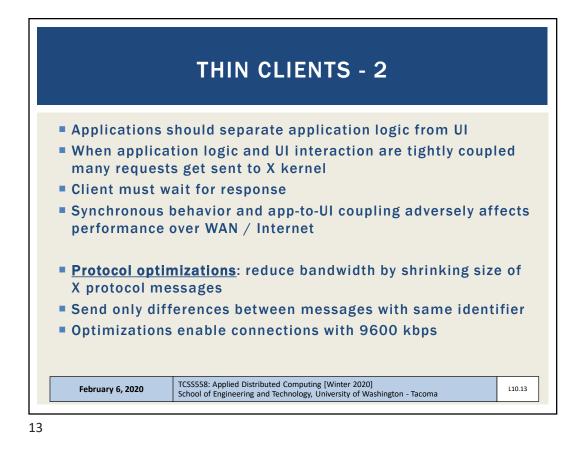
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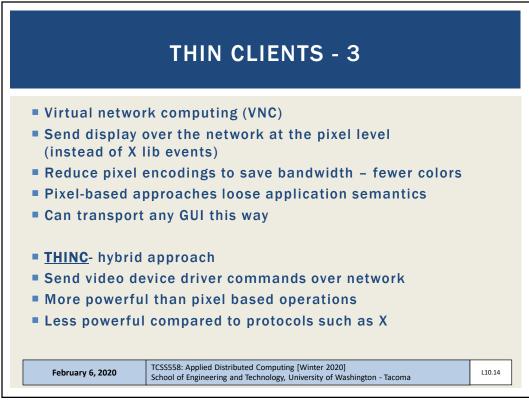


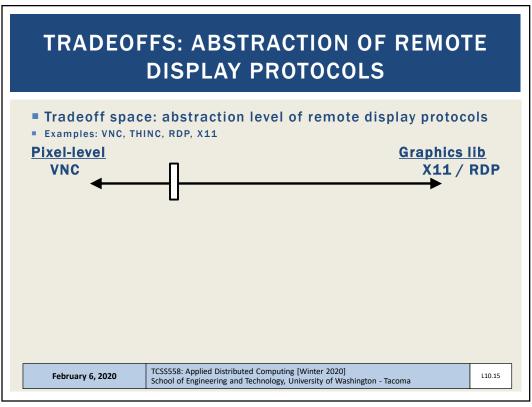


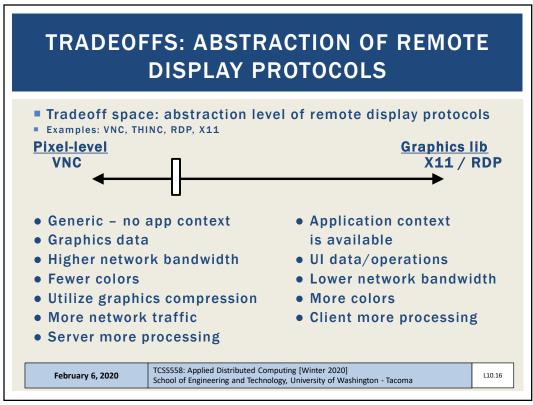


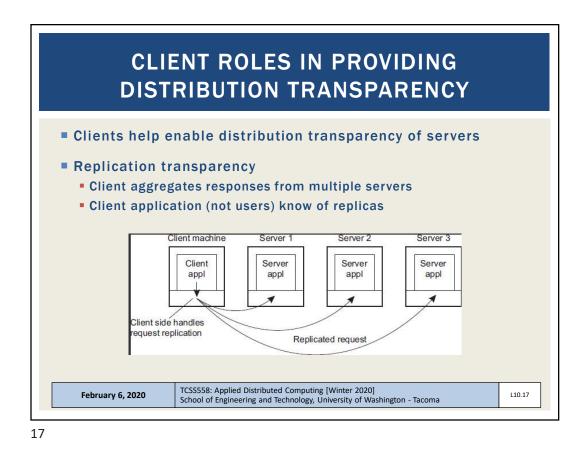


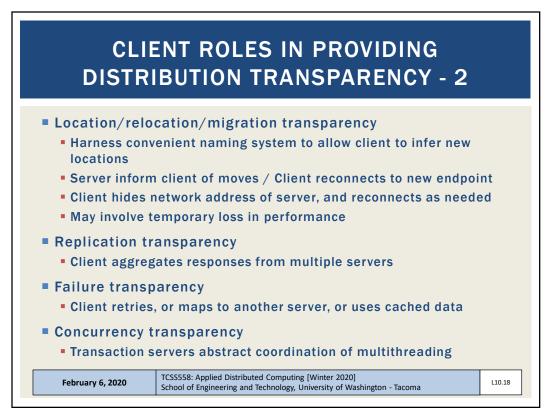




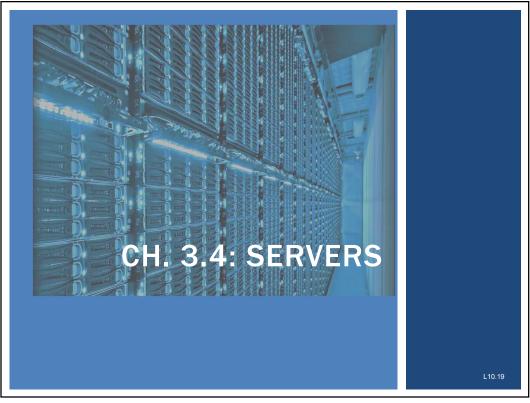


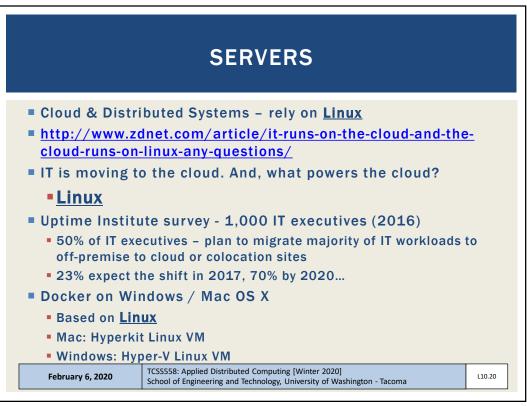


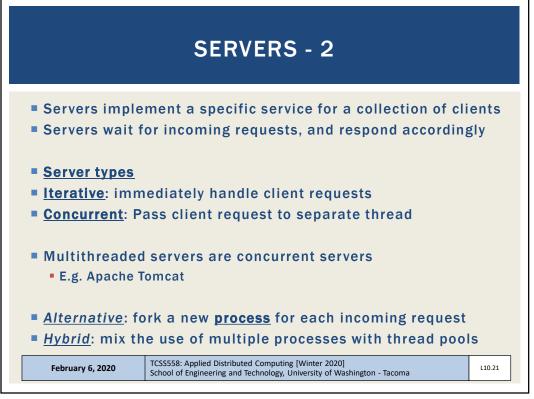


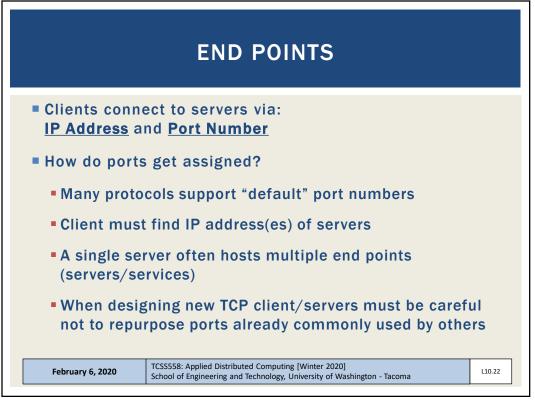


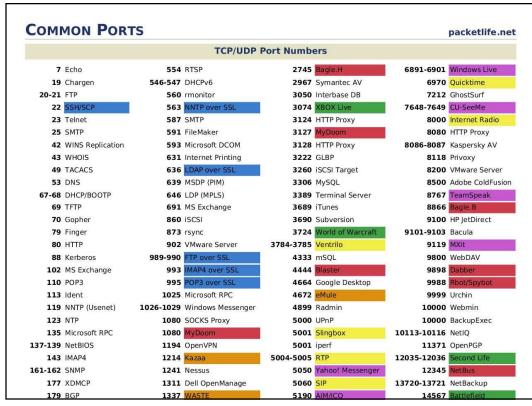


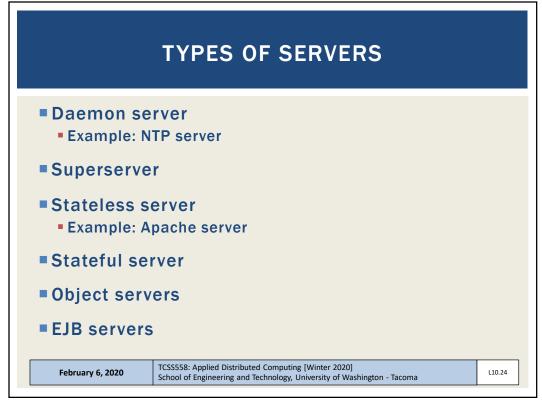


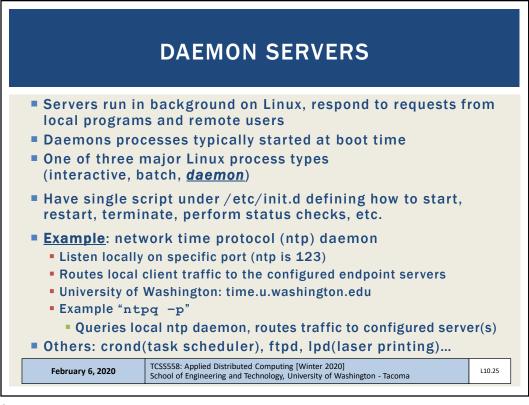


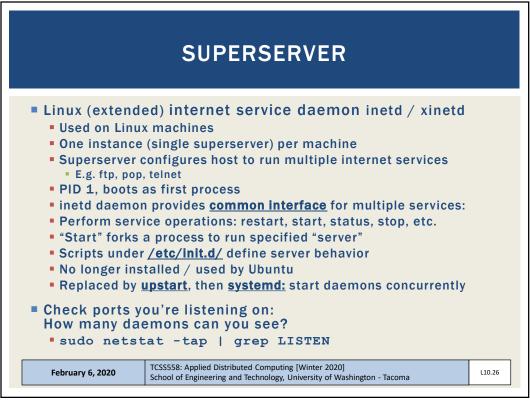


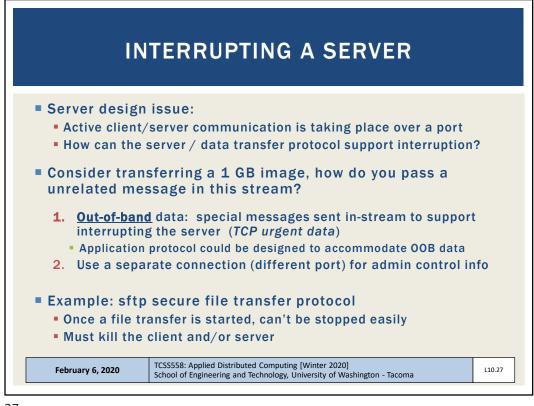


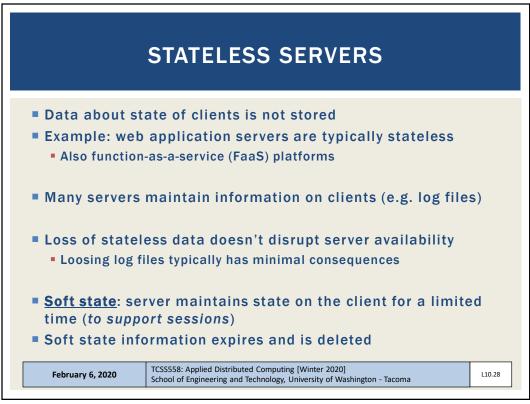


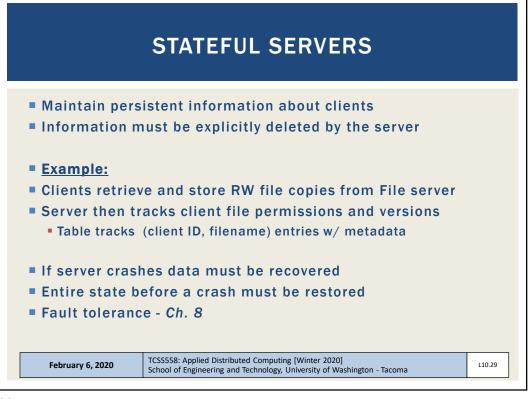


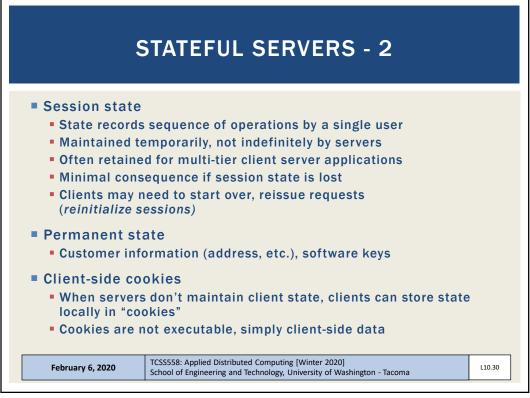


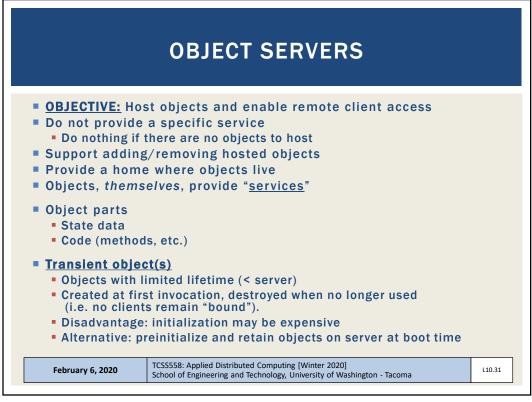


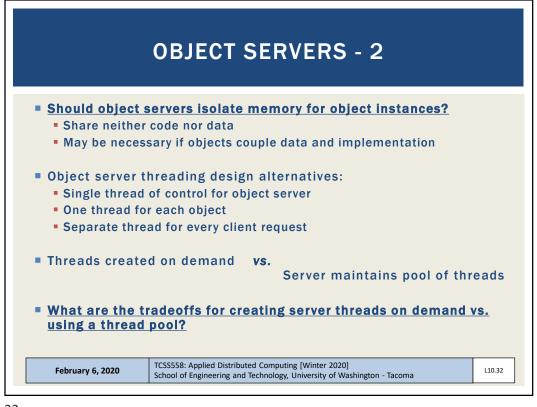


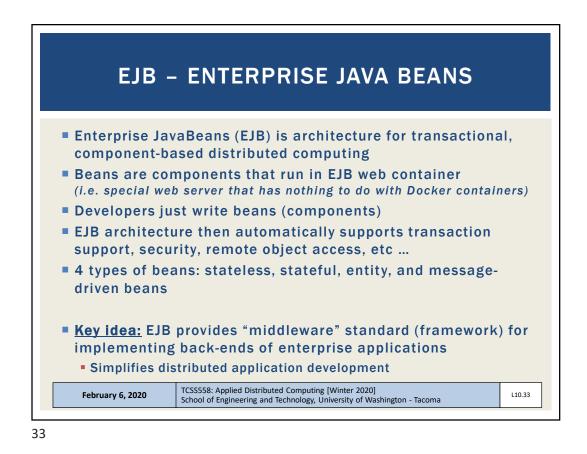


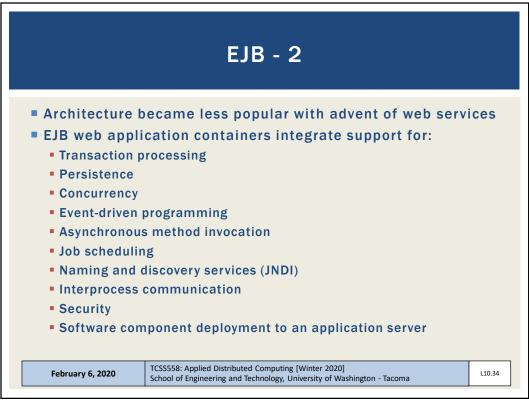


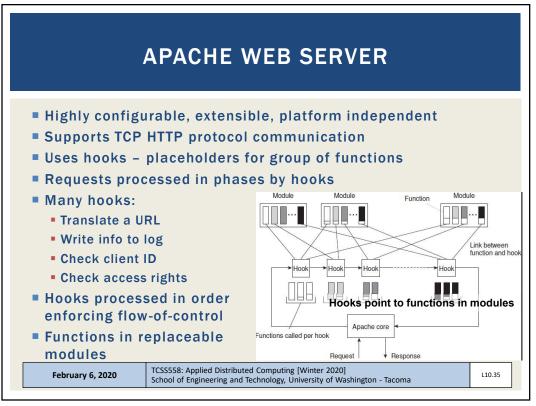


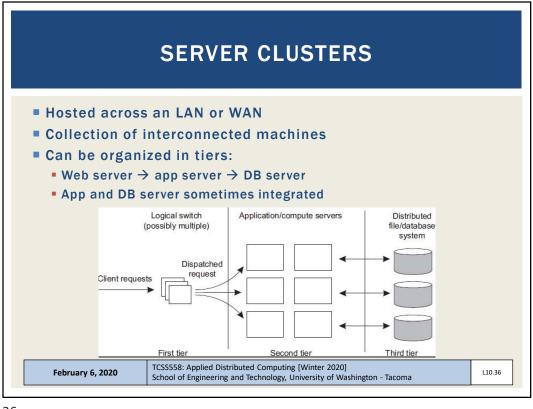


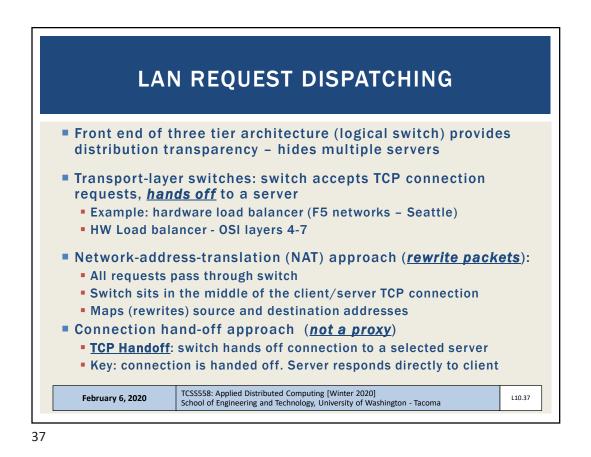


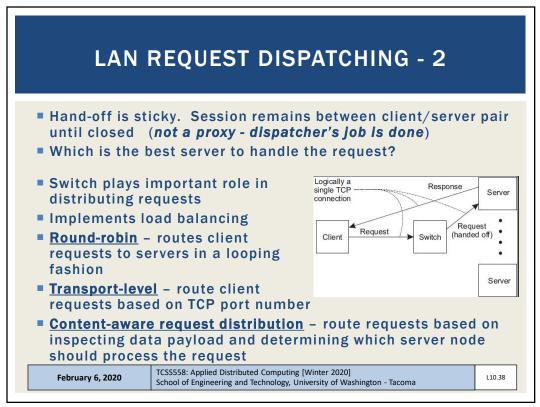




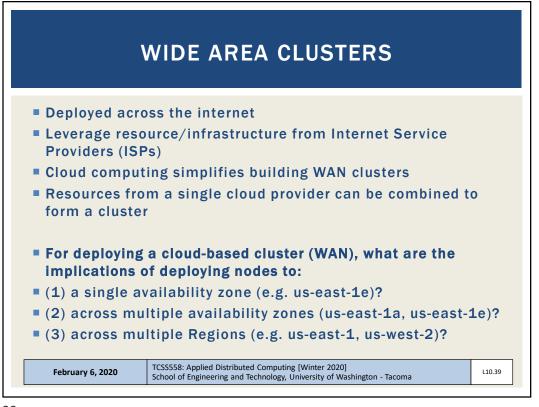


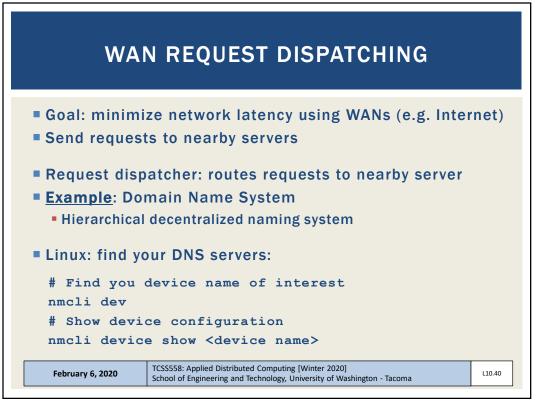


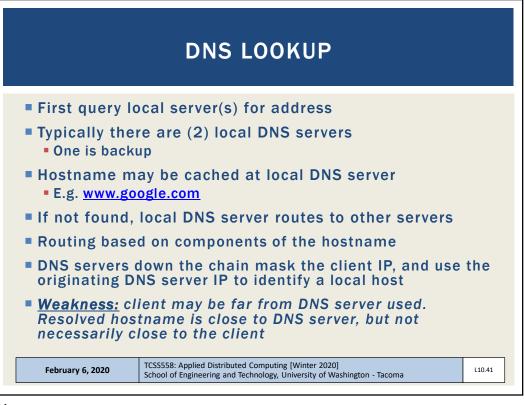


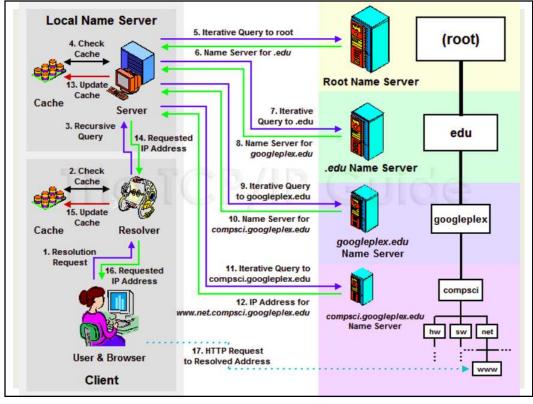




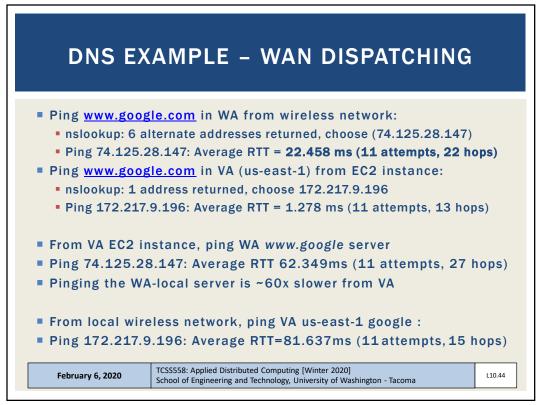






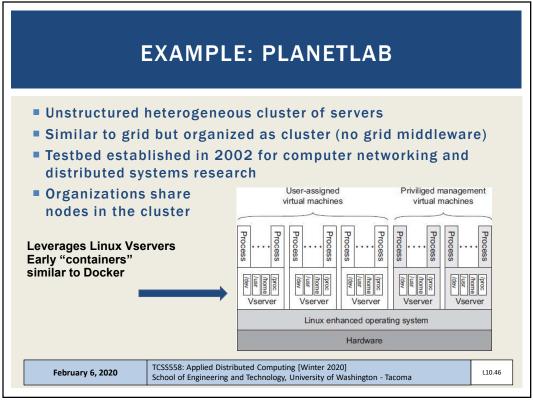


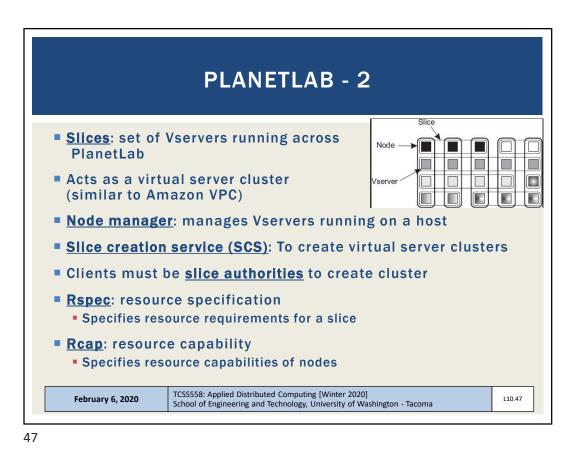
 nslookup <ip addr="" hostname=""></ip> Name server lookup - translates hostname or IP to the inverse traceroute <ip addr="" hostname=""></ip> Traces network path to destination By default, output is limited to 30 hops, can be increased 	D	NS: LINUX COMMANDS	
Traces network path to destination	_		erse
	Traces network	k path to destination	
February 6, 2020 TCSS558: Applied Distributed Computing [Winter 2020] School of Engineering and Technology, University of Washington - Tacoma L10.43	February 6, 2020		L10.43

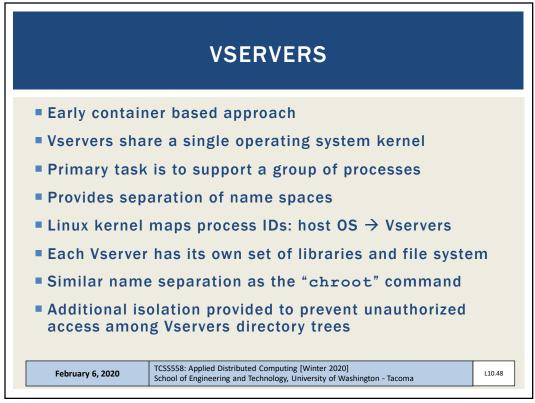


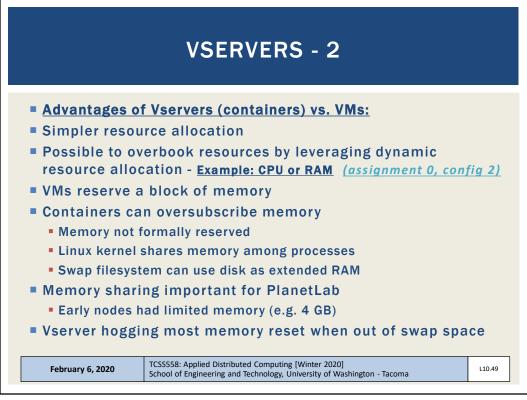


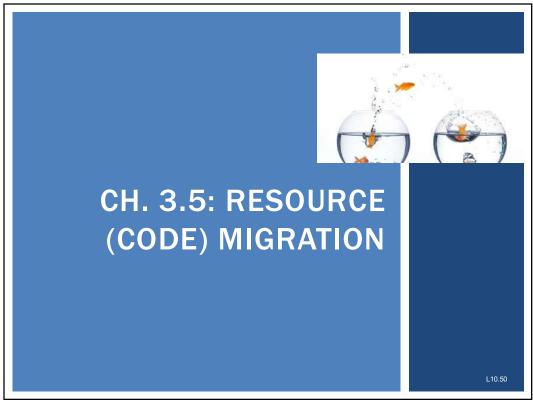
DNS EX	AMPLE – WAN DISPATCHING
	<mark>(le.com</mark> in WA from wireless network: Iternate addresses returned, choose (74.125.28.147)
-	ping "VA" google in WA: ~3.63x b: local-google 22.458ms to VA-google 81.637ms
Latency to	o ping "WA" google in VA: ~48.7x
	o ping "WA" google in VA: ~48.7x 2 VM: local-google 1.278ms to WA-google 62.349!
Virginia ec2	

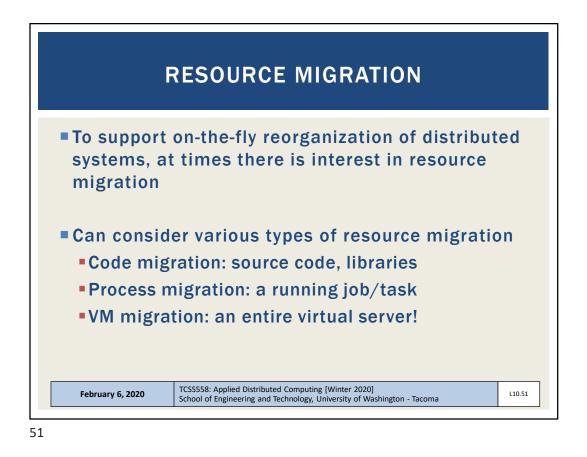


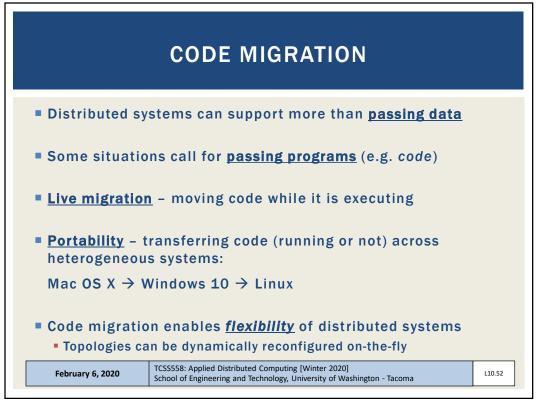


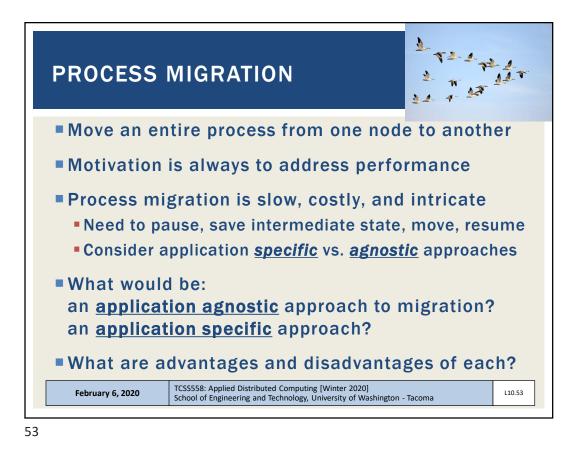


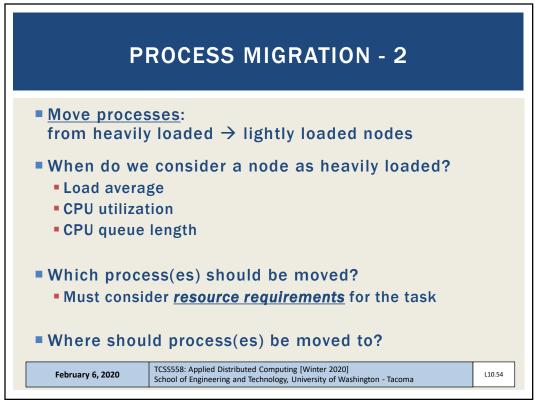


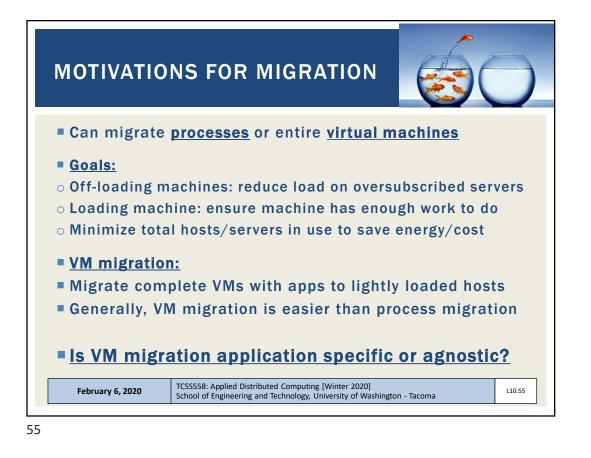


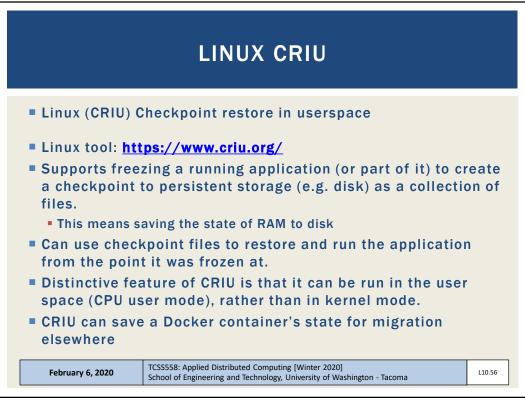


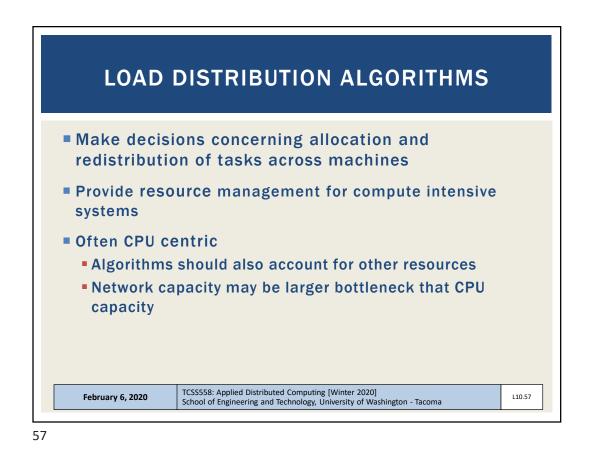


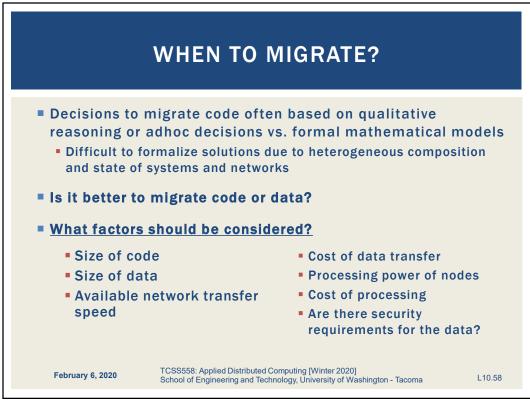


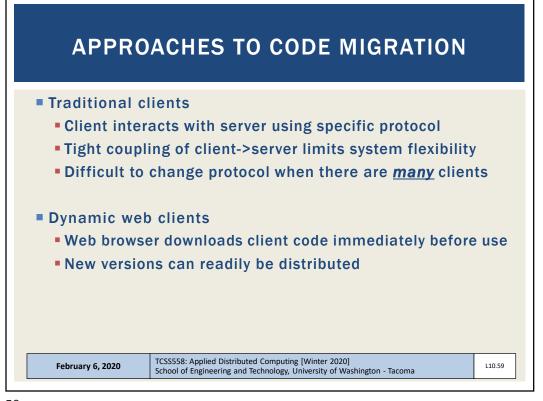


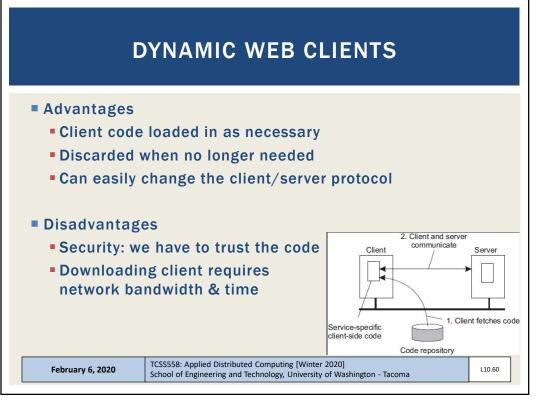


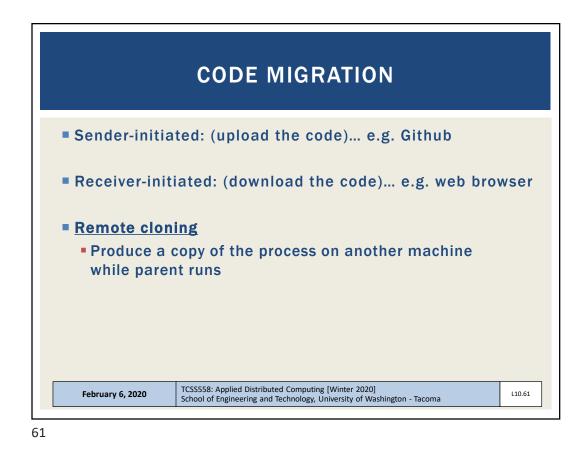


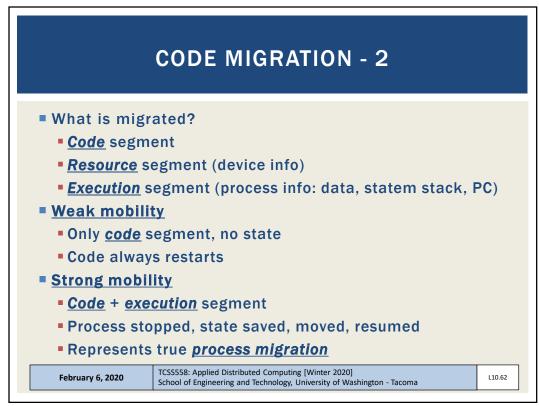






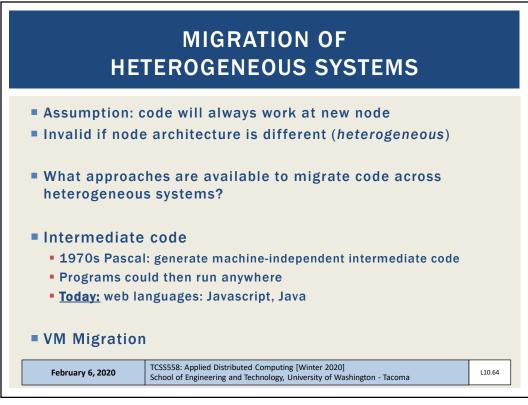




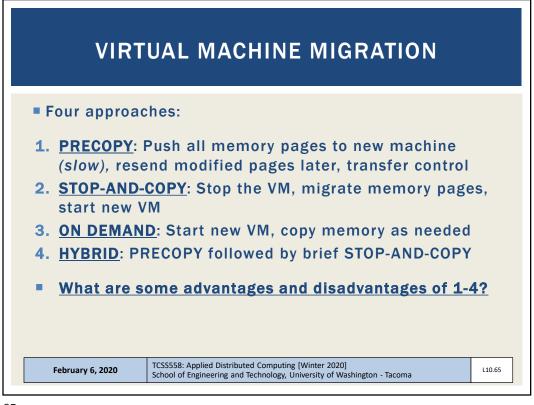


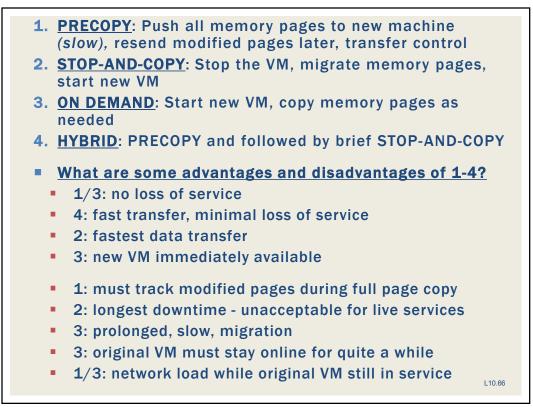


CODE MOBILITY TYPES								
			Client	efore e	xecution	After e	xecution	
* indicates wha	tis		1	ev	erything rur			
	(15			7	code		code	
modified		cs	-	1				
		00	2	-	resource		exec*	
CS: Client-Server							resource	
			Cli	ent p	rovides cod	e for remote o	exec	
REV: Remote Evaluation			code				code	
CoD: Code-on-demand		REV		1	exec		exec*	
Cod: Code-on-demand					resource		resource	
MA: Mobile agents		client obtains & runs code						
and agointo				1	code	code		
		CoD	exec	1		exec*		
Where does state get			resource	i l		resource		
Where does state get modified?		client moves code and exec to server						
			1	Ĩ			code	
		MA	code			<u> </u>		
State is stored in <u>exec</u>		NIA.		1	resource	resource	exec*	
			resource	1	resource	resource	resource	
		CS: Client-Server REV: Remote CoD: Code-on-demand MA: Mobile a						
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