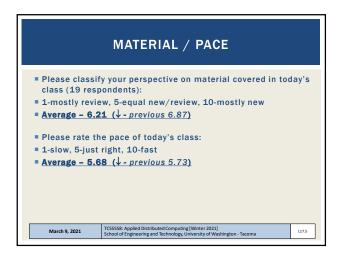
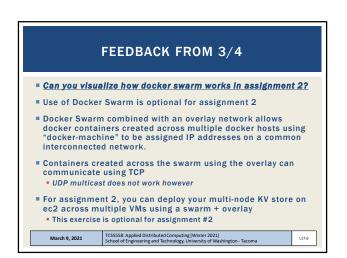
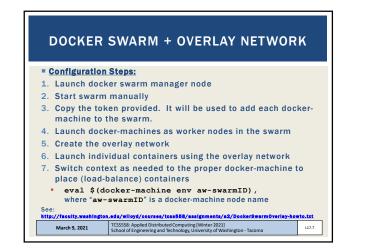
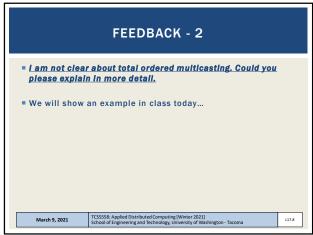


	z Jan 6 at 10pm Points 1 Questions 4 ilable Jan 5 at 1:30pm - Jan 6 at 11:59pm 1 daγ Time Limit None
D	Question 1 0.5 pts
	On a scale of 1 to 10, please classify your perspective on material covered in today's class:
	1 2 3 4 5 6 7 8 9 10 Postly Equal Postly
	Review To Me New and Review New to Me
	Question 2 0.5 pts
	Please rate the pace of today's class:
	1 2 3 4 5 6 7 8 9 10
	Slow Just Right Fast



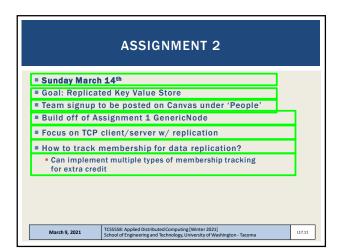


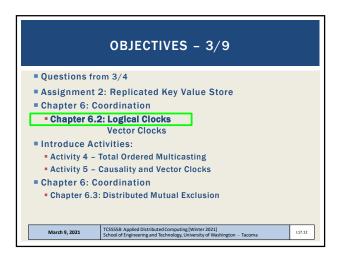




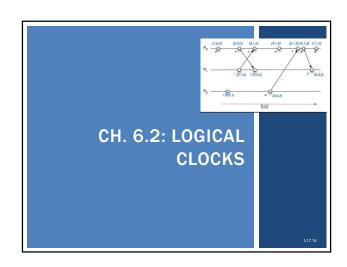


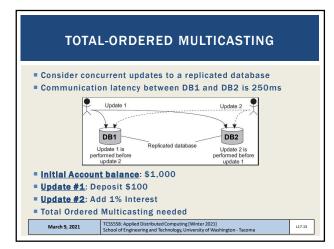


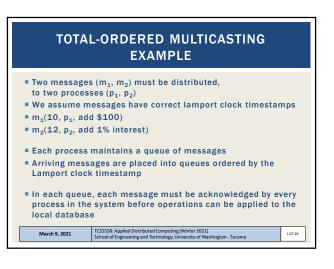


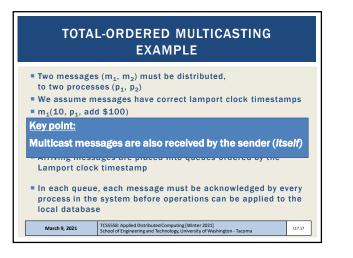


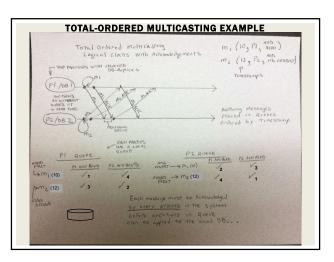
PTER 6 - COORDINATION
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TCSS558: Applied Distributed Computing [Winter 2021]



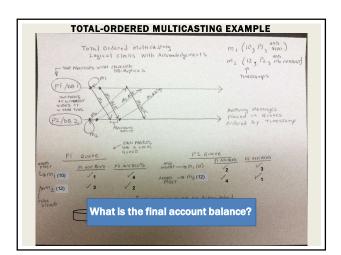


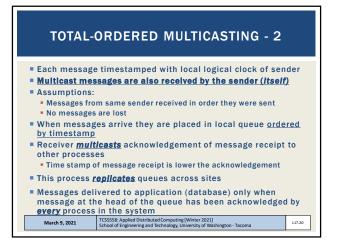


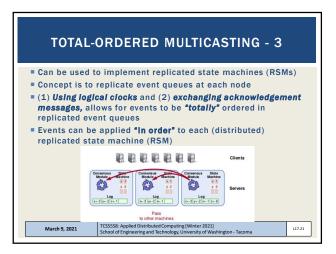


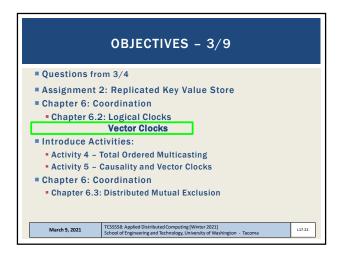


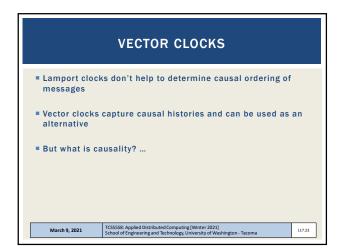
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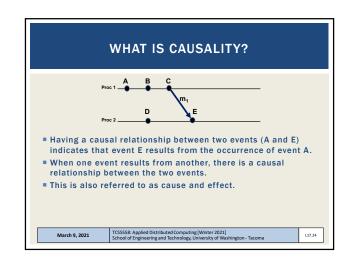


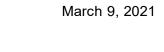


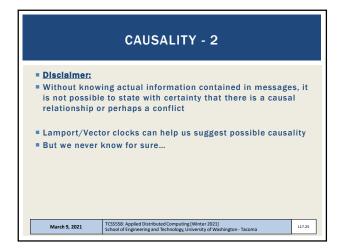


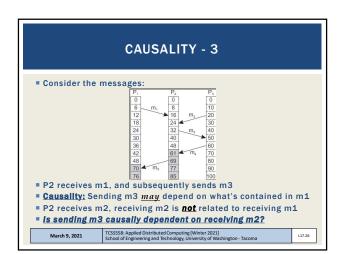


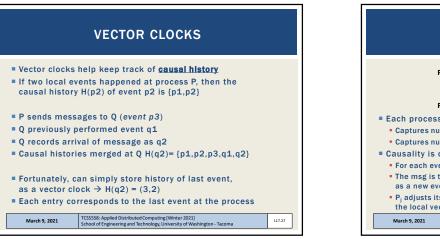


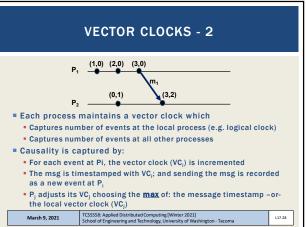


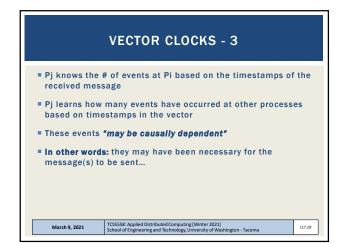


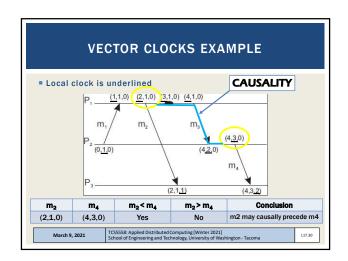




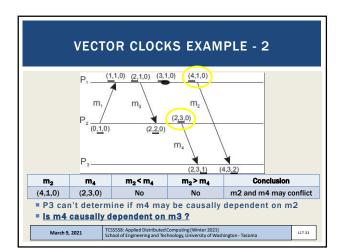


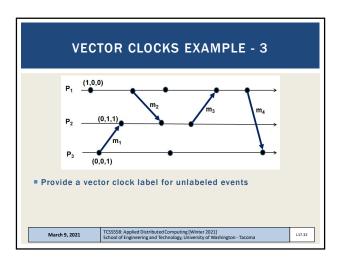


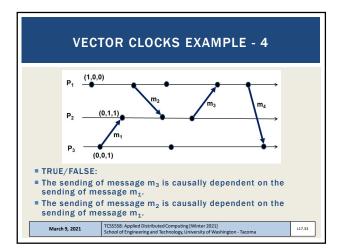


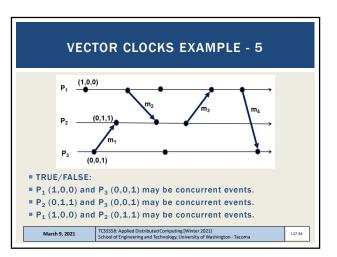


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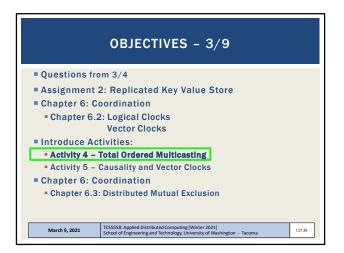




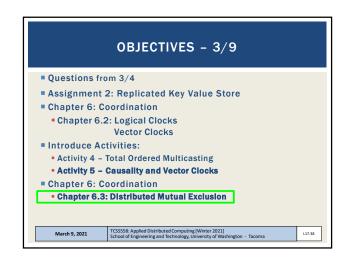


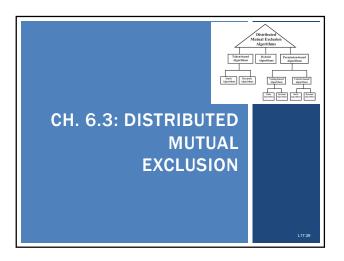


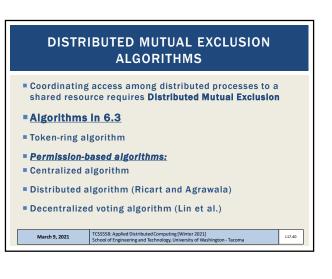


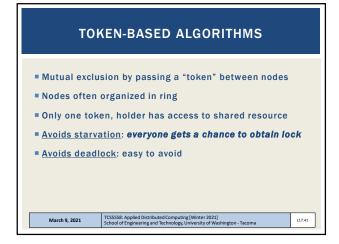


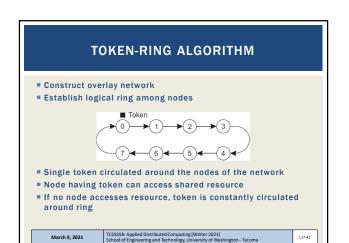
	OBJECTIVES - 3/9	
Questions from the second s	om 3/4	
Assignment	2: Replicated Key Value Store	
Chapter 6: Co	pordination	
Chapter 6.2	2: Logical Clocks	
	Vector Clocks	
Introduce Ac	tivities:	
Activity 4 –	Total Ordered Multicasting	
Activity 5 –	Causality and Vector Clocks	
Chapter 6: Co	pordination	
Chapter 6.3	Distributed Mutual Exclusion	
	TCSS558: Applied Distributed Computing [Winter 2021]	
March 9, 2021	School of Engineering and Technology, University of Washington - Tacoma	L17.37

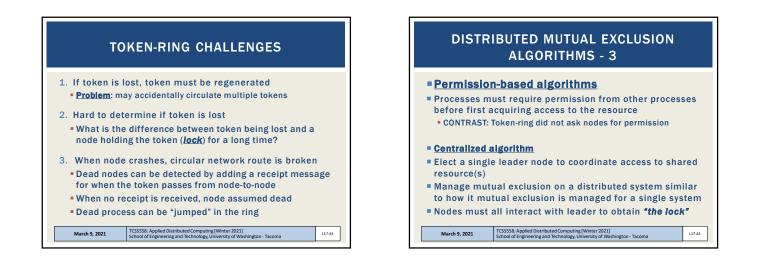


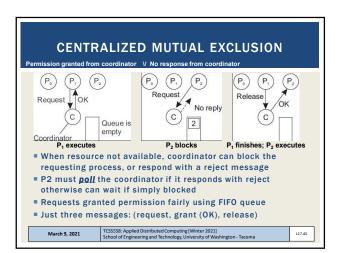














Issues

- Coordinator is a single point of failure
- Processes can't distinguish dead coordinator from "blocking" when resource is unavailable
- No difference between CRASH and Block (for a long time)
- Large systems, coordinator becomes performance bottleneck
 <u>Scalability:</u> Performance does not scale

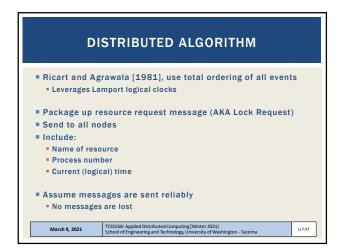
Benefits

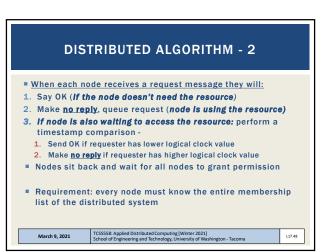
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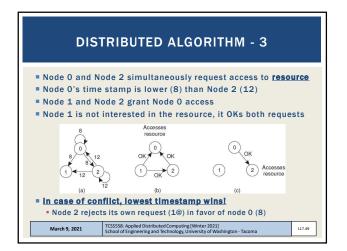
 Simplicity: Easy to implement compared to distributed alternatives

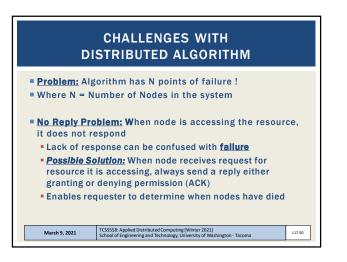
> TCSS558: Applied Distributed Computing [Winter 2021] School of Engineering and Technology, University of Was

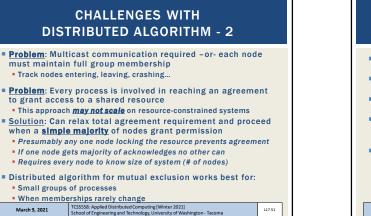
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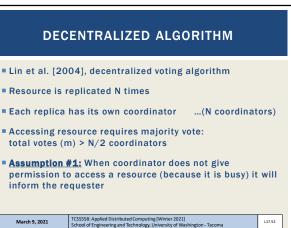


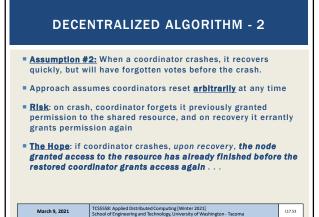




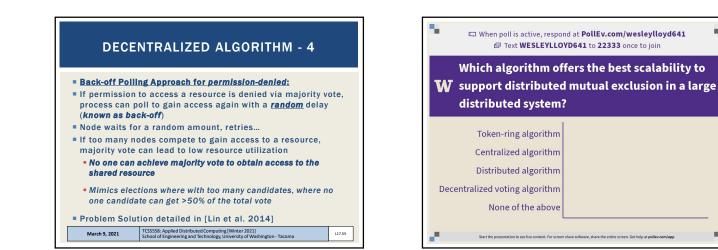


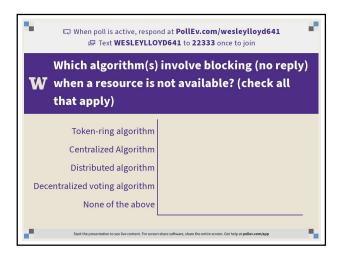


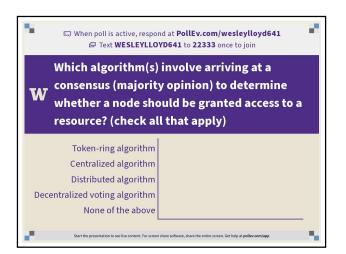


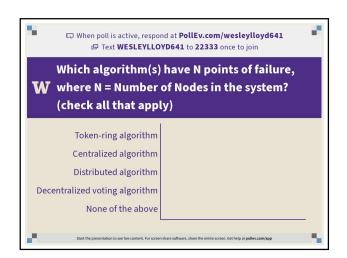


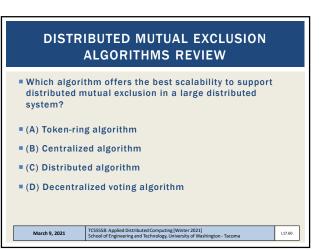
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