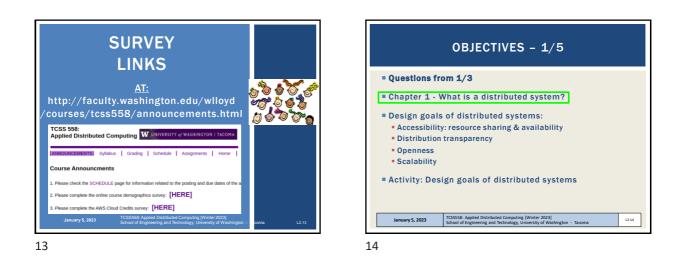
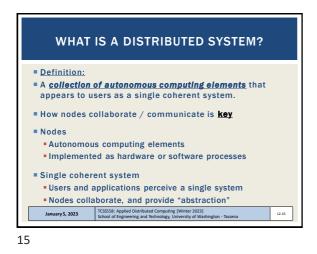
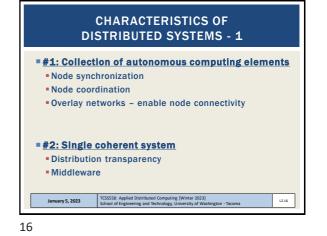
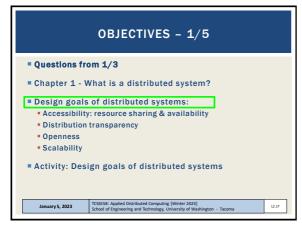


TCSS 558: Applied Distributed Computing [Winter 2023] School of Engineering and Technology, UW-Tacoma



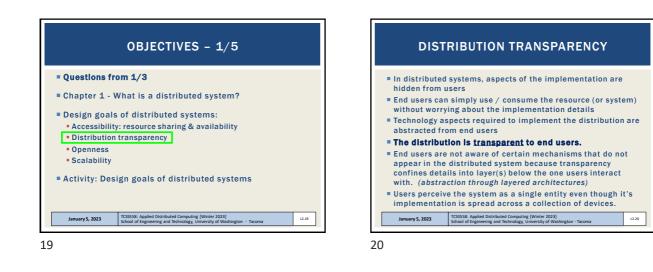


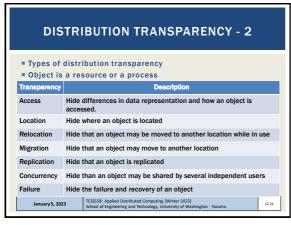


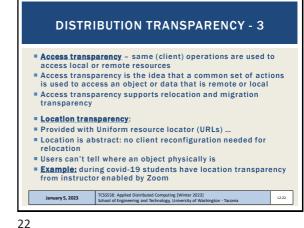


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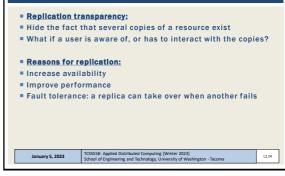






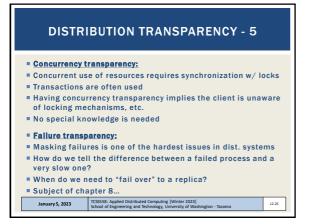


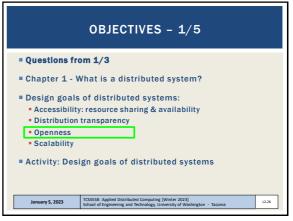
DISTRIBUTION TRANSPARENCY - 4 Relocation transparency: Resource(s) can migrate from one server to another Initiated by the distributed system, possibly for maintenance Should a resource move while in use, users are unable to notice Example: Student changes Zoom client from laptop to cell phone - instructor does not notice Does Zoom provide good relocation transparency? Migration transparency: Feature offered by distributed systems Users are unaware if a resource possesses the <u>ability to move</u> to a different location TCSS558: Applied Distributed Computing [Winter 2023] School of Engineering and Technology, University of Washington - Tacoma January 5, 2023



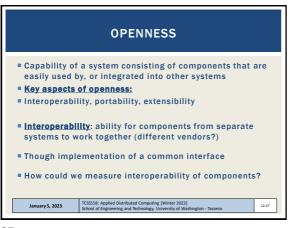
DISTRIBUTION TRANSPARENCY - 4

L2.23

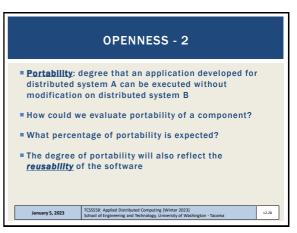


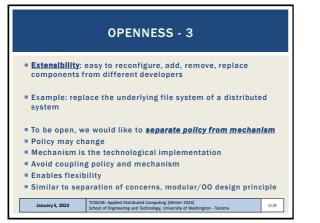


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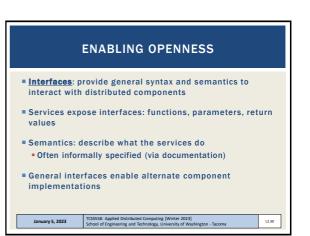


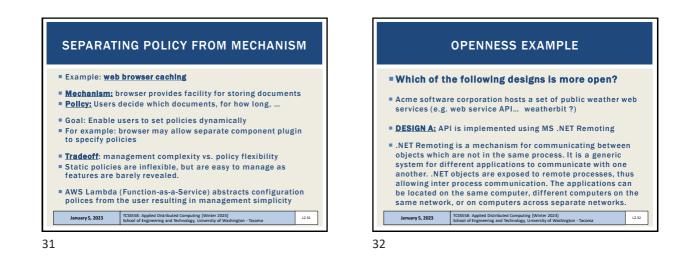
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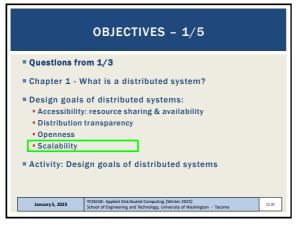




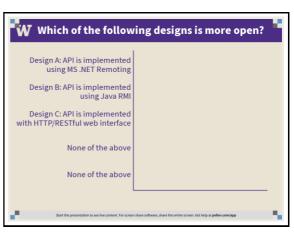


DESIGN B: API is implemented using Java RMI
The Java Remote Method Invocation (RMI) is a Java API that performs remote method invocation to allow Java objects to be distributed across different Java program instances on the same or different computers. RMI is the Java equivalent of C remote procedure calls, which includes support for transfer of serialized Java classes and distributed garbage-collection.
DESIGN C: API is implemented as HTTP/RESTful web interface
A RESTful API is an API that uses HTTP requests to GET, PUT, POST and DELETE data. RESTful APIs are referred to as a RESTful web services

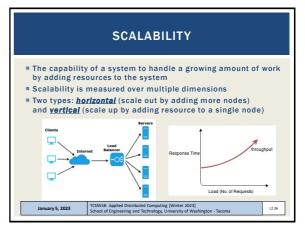
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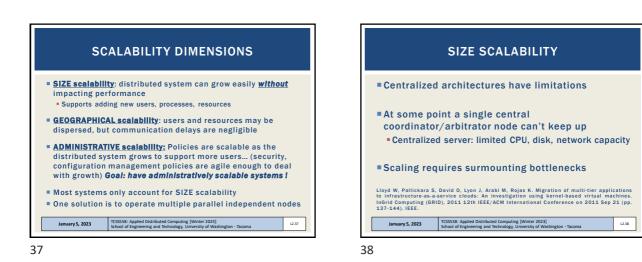


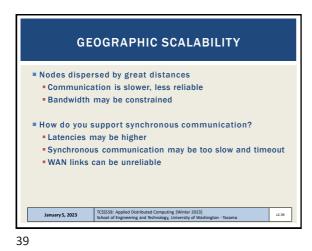


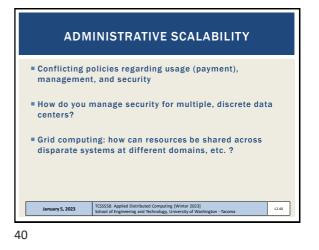


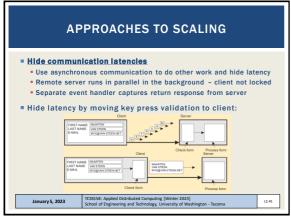


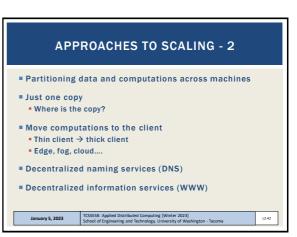




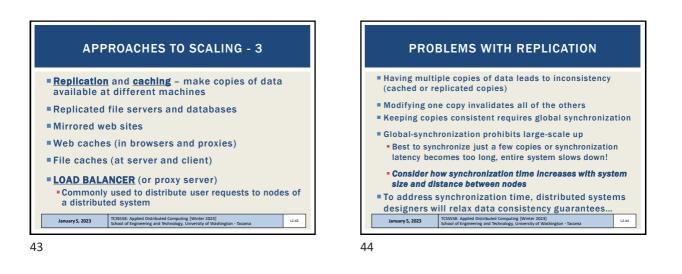


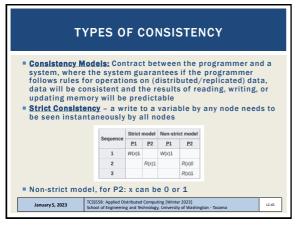


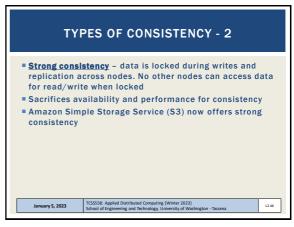






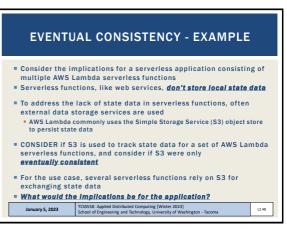


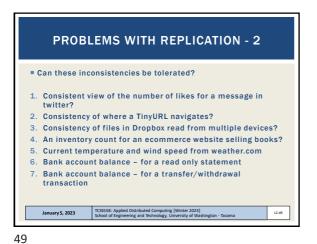












WE WILL RETURN AT 2:40PM

