

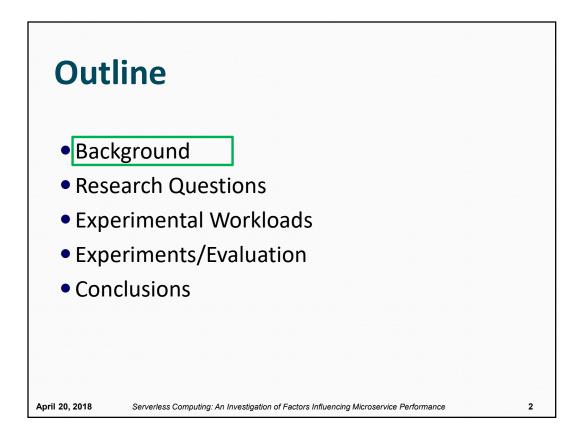


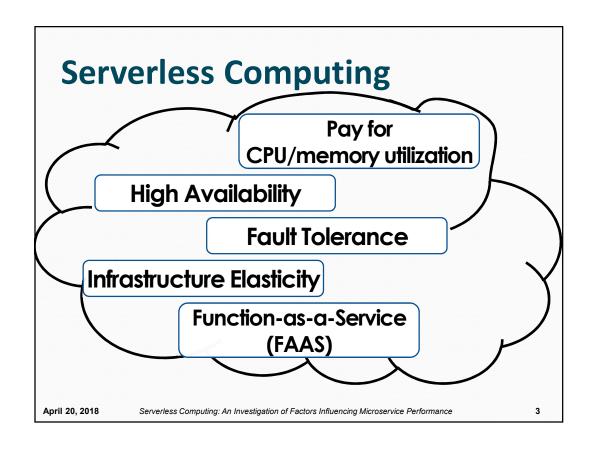
Serverless Computing: An Investigation of Factors Influencing Microservice Performance

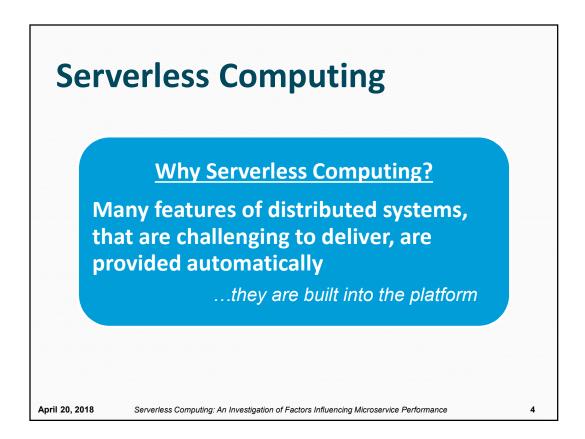
Wes Lloyd, Shruti Ramesh, Swetha Chinthalapati, Lan Ly, Shrideep Pallickara

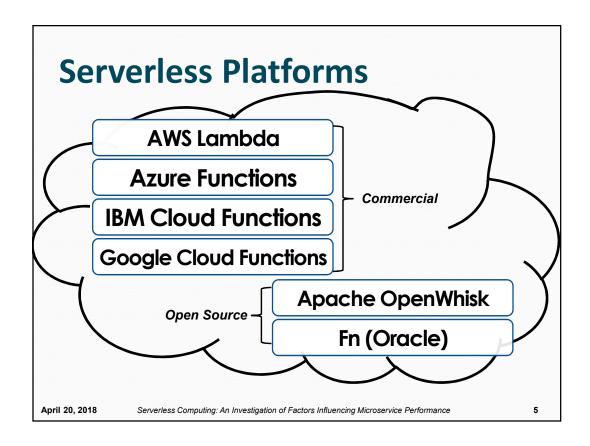
April 20, 2018

Institute of Technology, University of Washington, Tacoma, Washington USA *IC2E 2018*: IEEE International Conference on Cloud Engineering

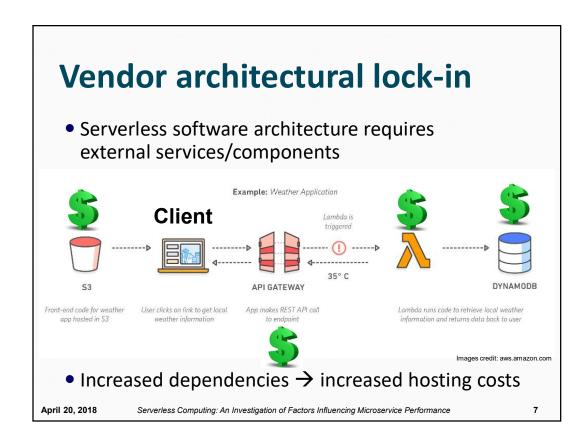


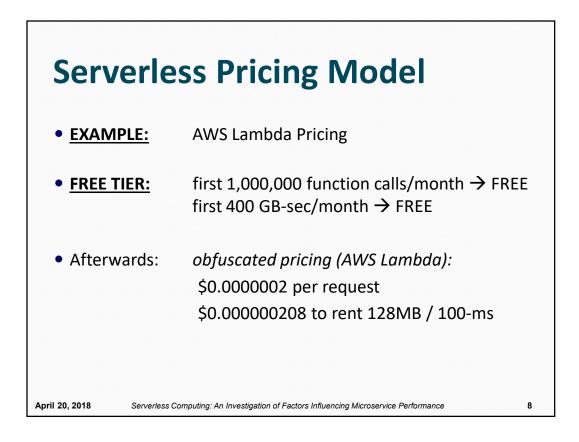


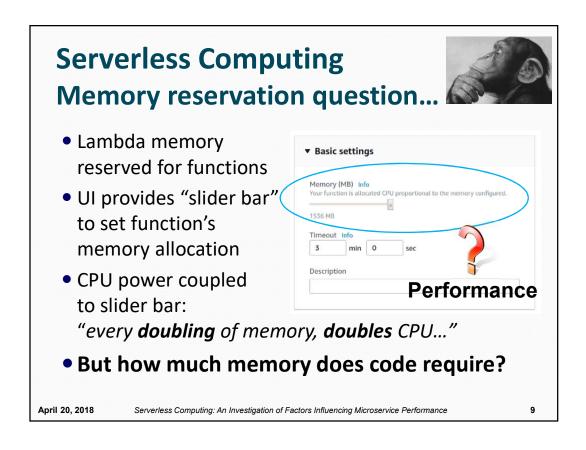


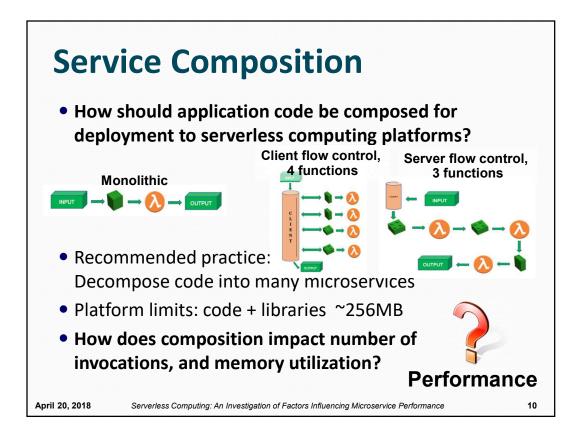


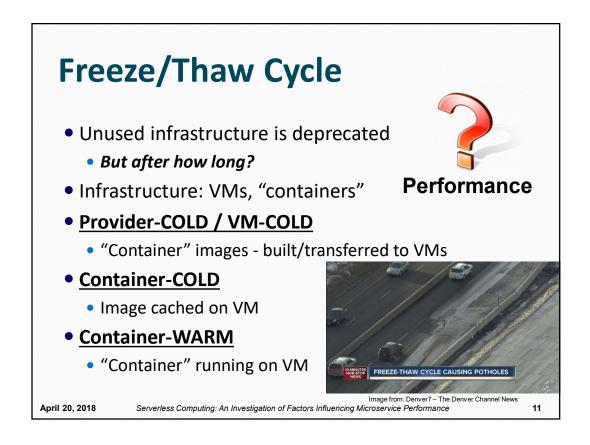


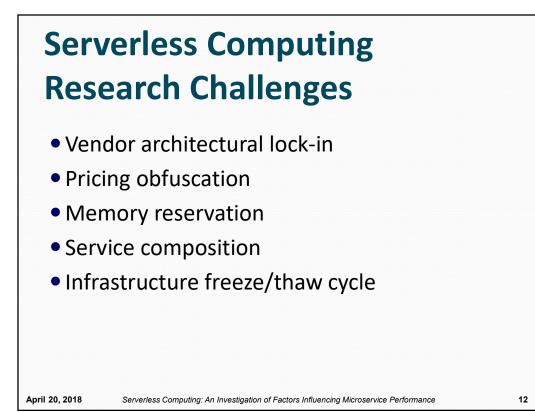




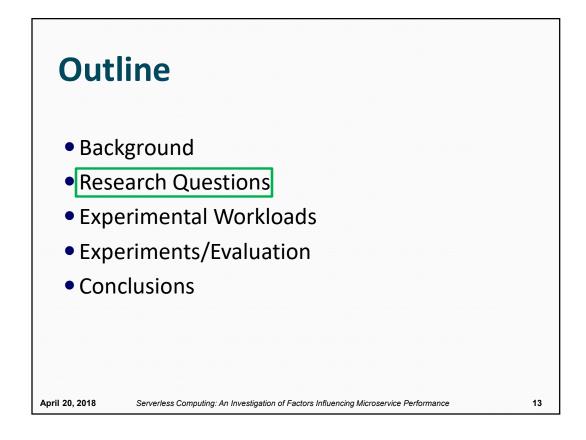


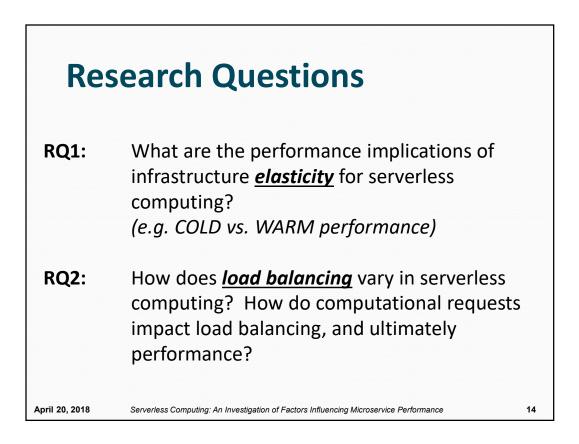


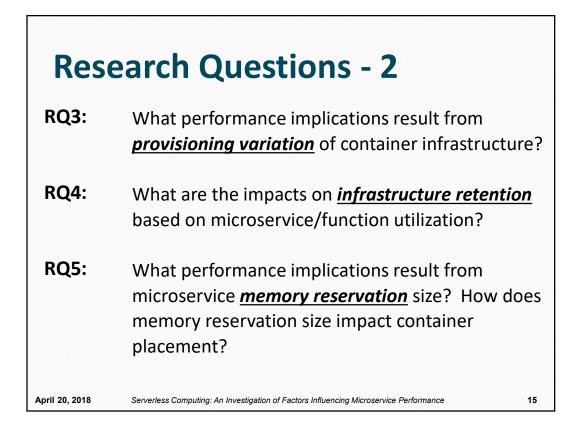


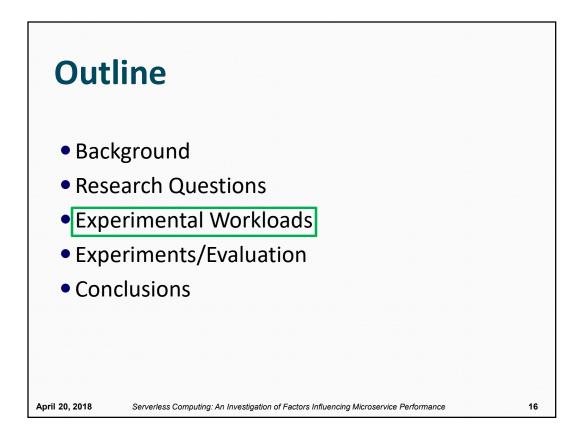


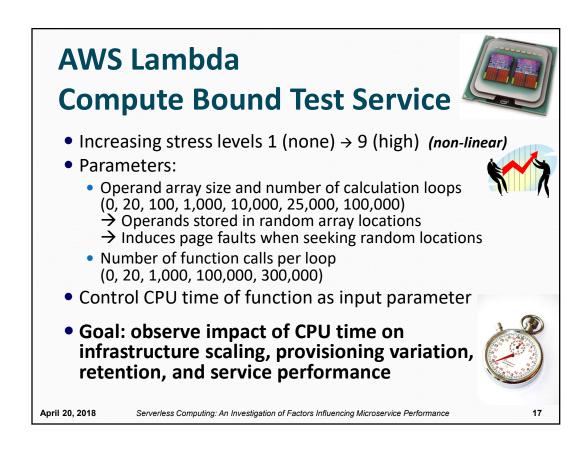
Serverless Computing: An Investigation of Factors Influencing Microservice Performance

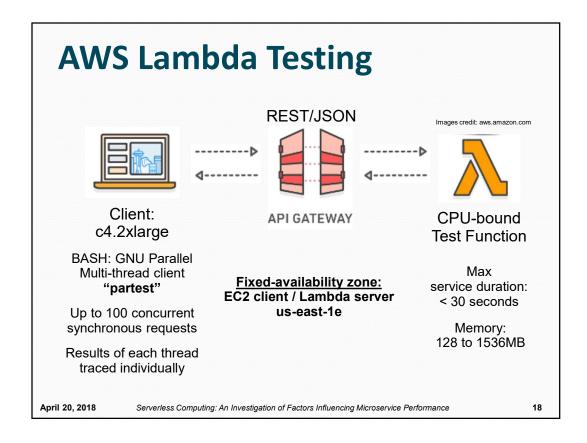


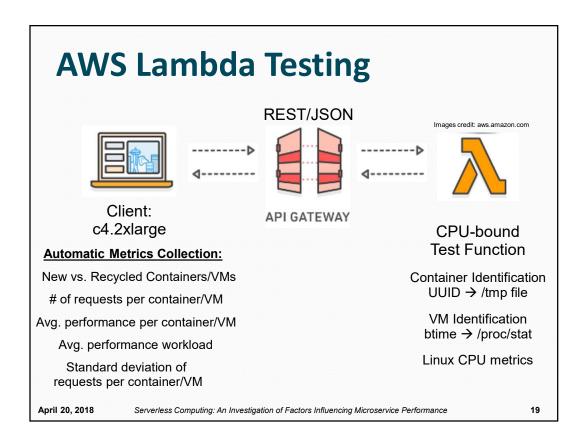


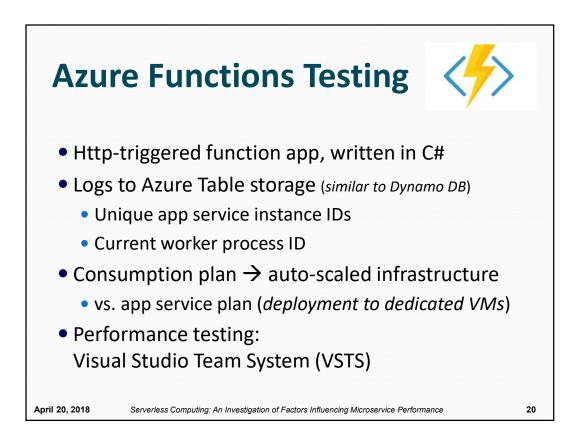


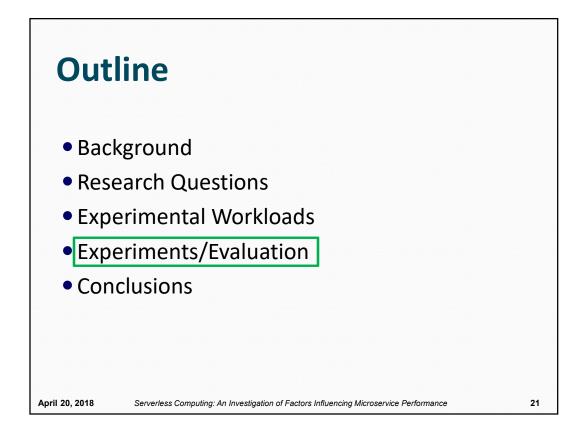


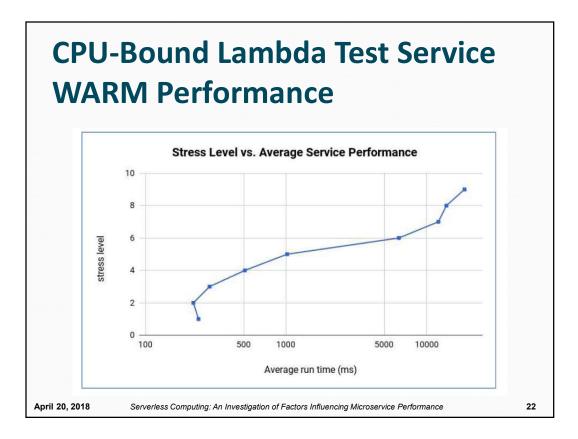








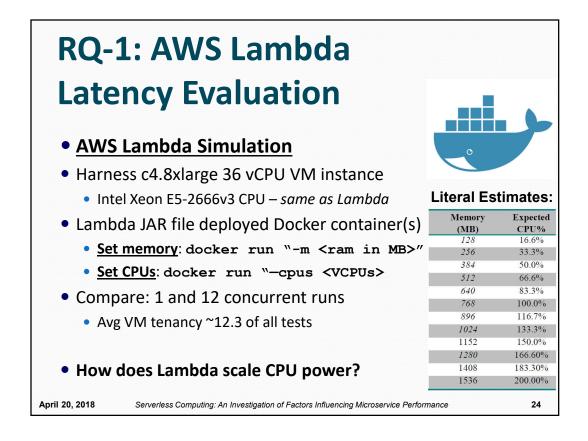


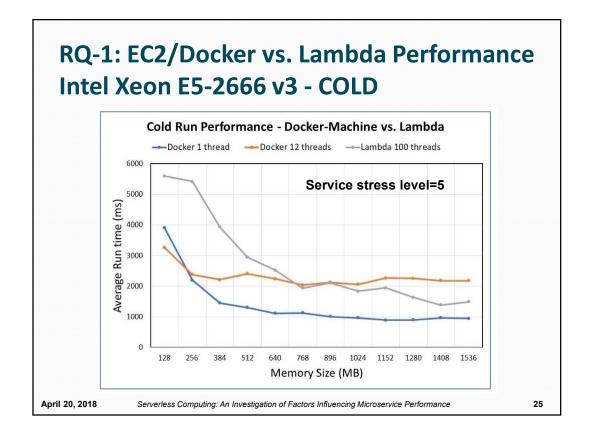


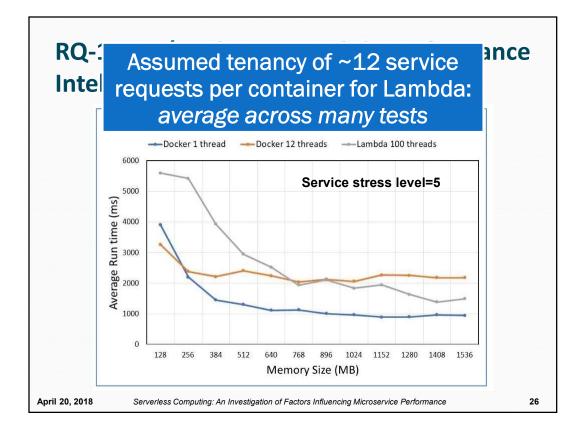
RQ-1: Elasticity

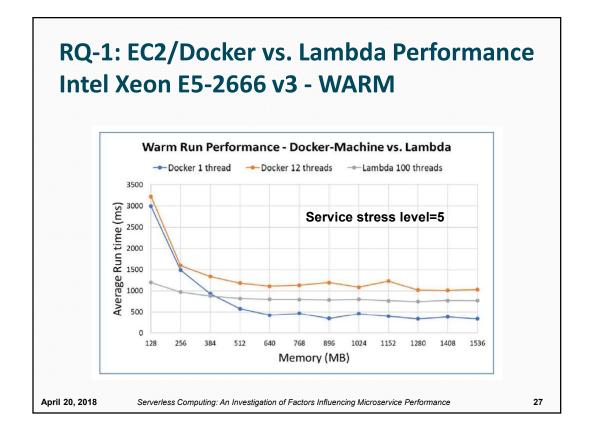
What are the performance implications of infrastructure *elasticity* for serverless computing?

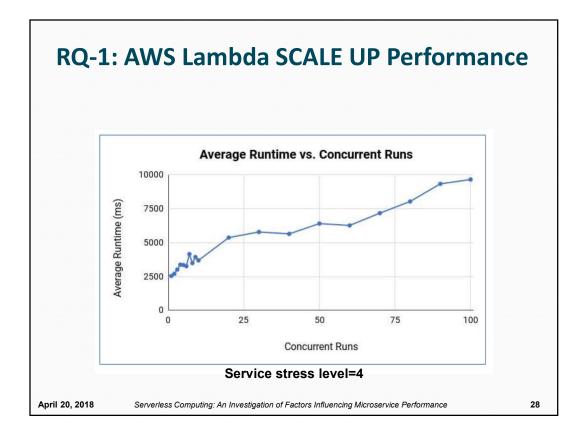
(e.g. COLD vs. WARM performance)

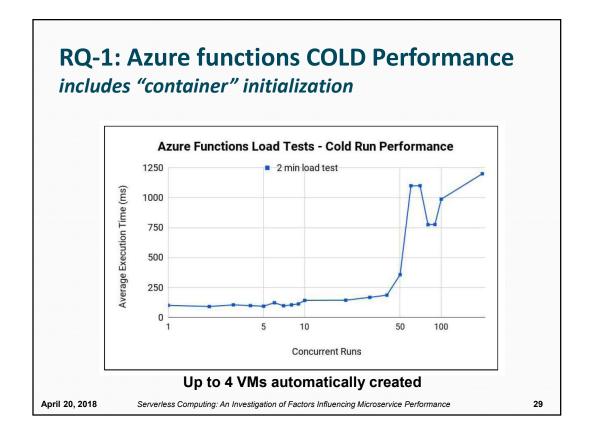


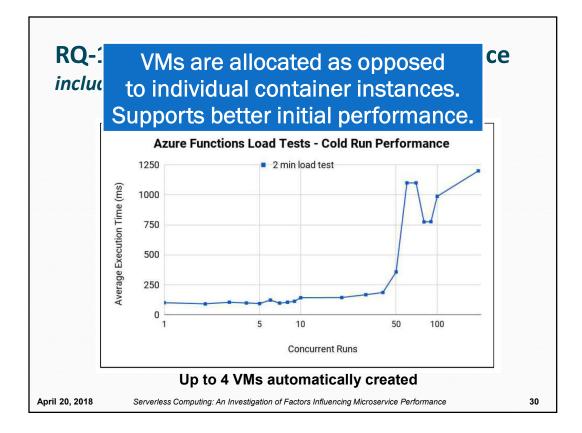


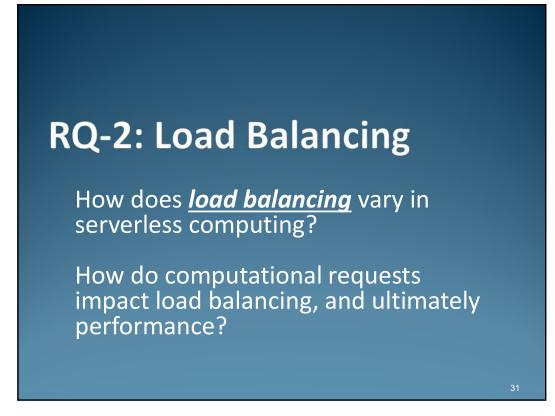


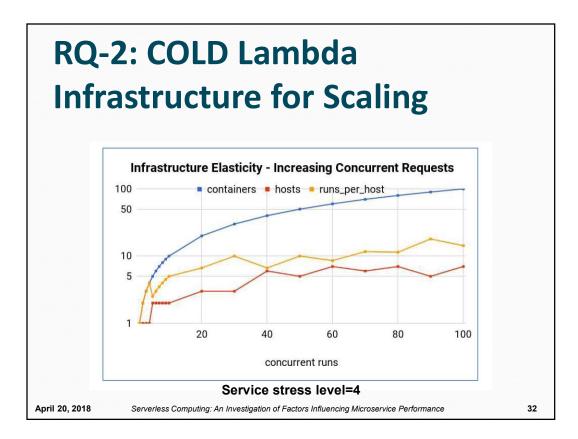


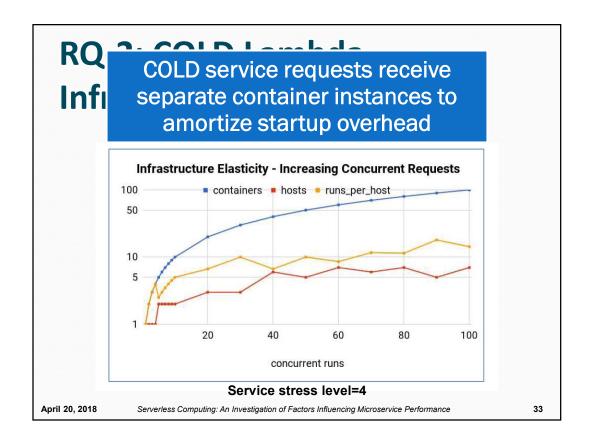


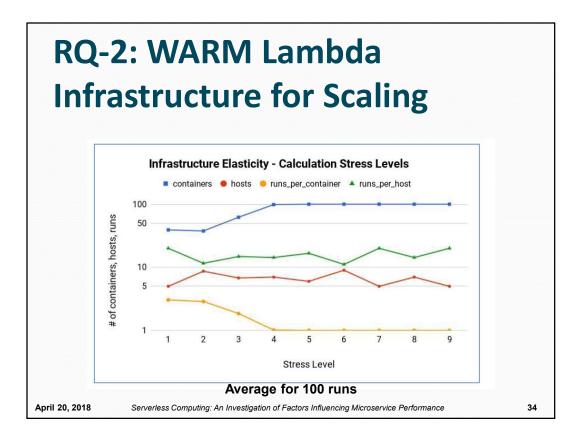


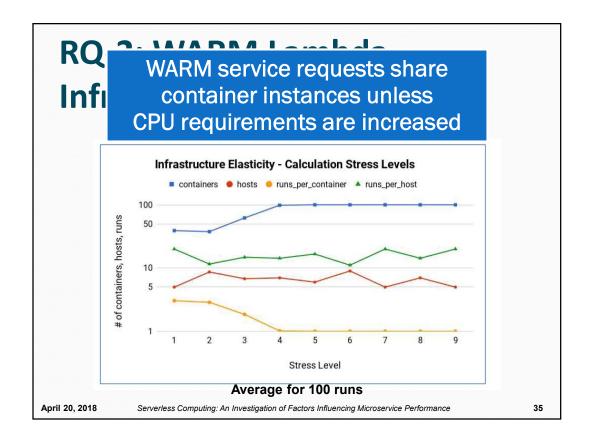


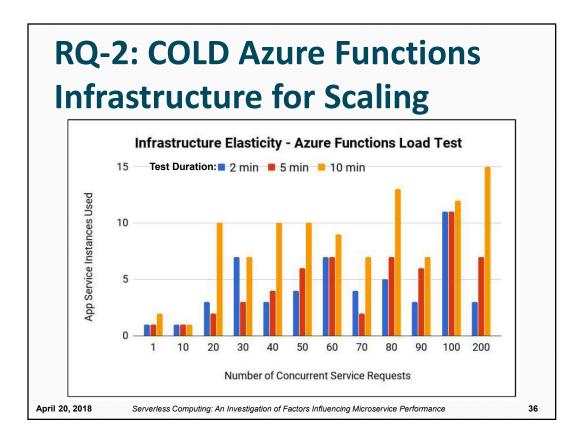


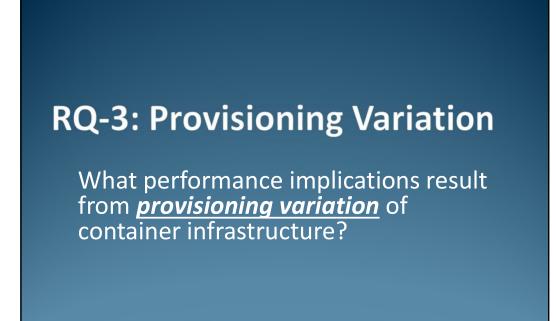


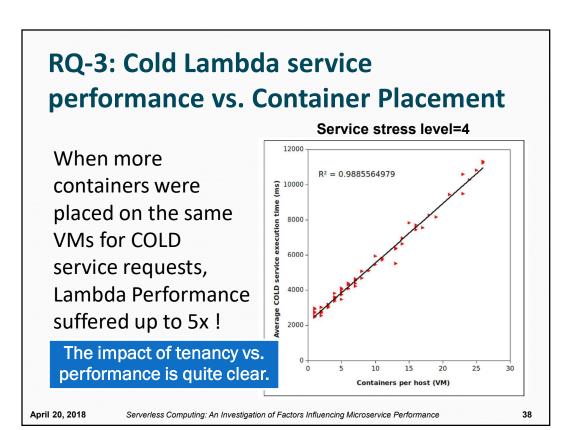


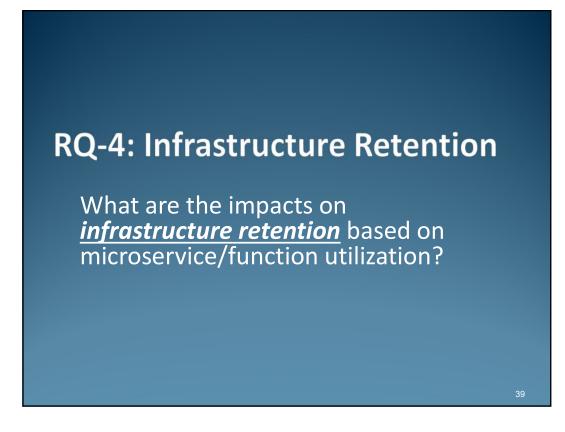


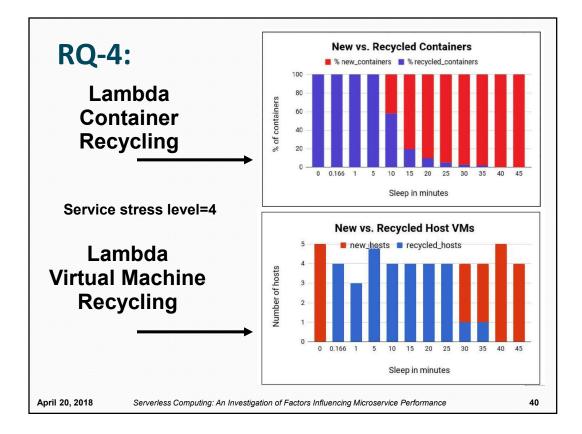












RQ-5: Memory ReservationWhat performance implications result from microservice <u>memory</u> <u>reservation</u> size? Mow does memory reservation size impact container placement?

