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OBJECTIVES - 10/10 Introduction to Cloud Computing Why study cloud computing? History of cloud computing Business drivers Cloud enabling technologies Terminology Benefits of cloud adoption Risks of cloud adoption (CSSS2: Software Engineering for Cloud Computing [full 2019] School of Engineering and Rechnology, University of Washington - Teorem

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 WORE CONCISE DEFINITION

 "Cloud computing is a specialized form of distributed computing that introduces utilization models for remotely provisioning scalable and measured resources."

 From Cloud Computing Concepts, Technology, and Architecture Z. Mahmood, R. Puttini, Prentice Hall, 5th printing, 2015

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 TSSSE2-Software Engineering for Charl Computing (NUL2019) School of Engineering and Technology, University of Washington - Tecons

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HORIZONTAL VS VERTICAL SCALING	
Horizontal Scaling	Vertical Scaling
Less expensive using commodity HW	Requires expensive high capacity servers
October 10, 2023 TCSS562: Software Engineering for Cloud Computing [Fail 2019] L4.67 School of Engineering and Technology, University of Washington - Tacoma	



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HORIZONTAL VS VERTICAL SCALING Morizontal Scaling Vertical Scaling Less expensive using commodity HW Requires expensive high capacity servers IT resources instantly available IT resources typically instantly available

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Horizontal Scaling Vertical Scaling Horizontal Scaling Vertical Scaling Less expensive using commodity HW 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









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 Image: Constraint of Constraints

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