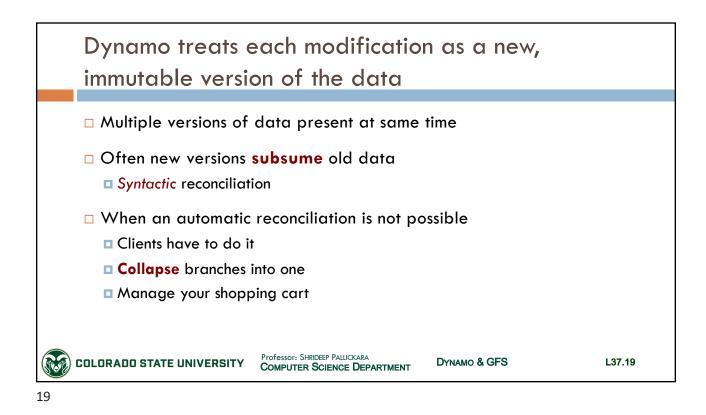
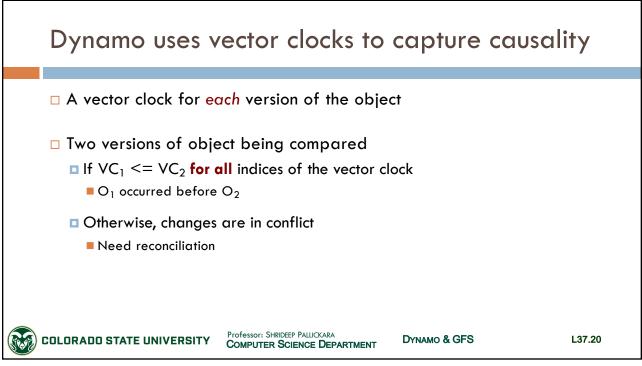
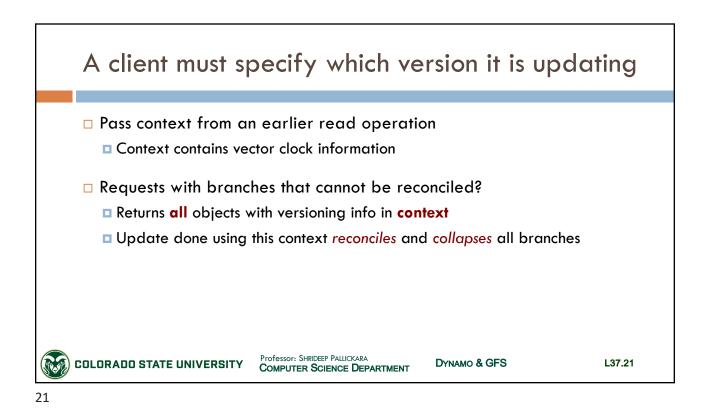


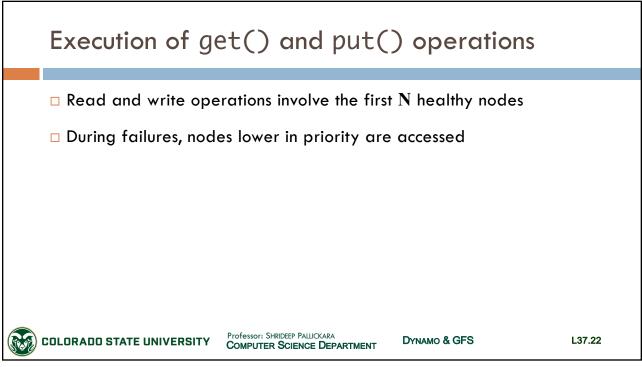
# CSx55: Distributed Systems

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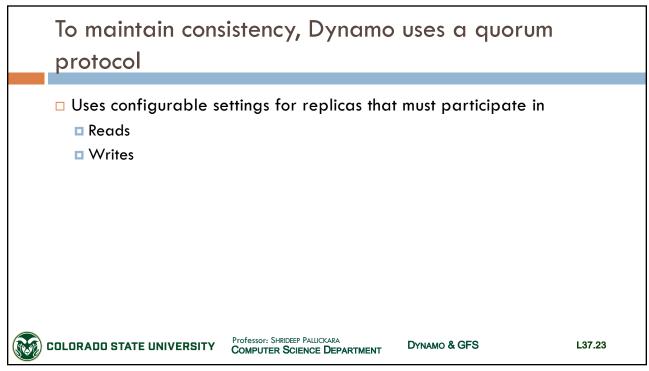




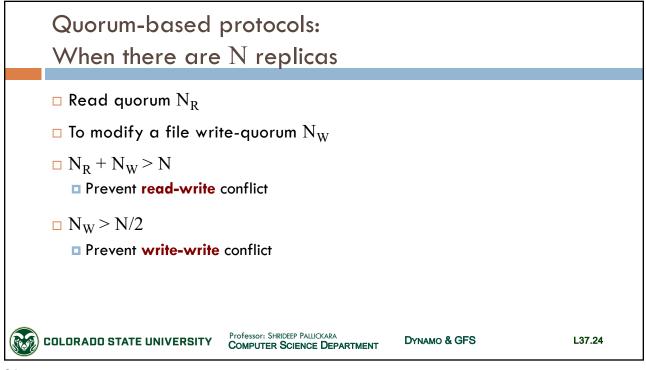


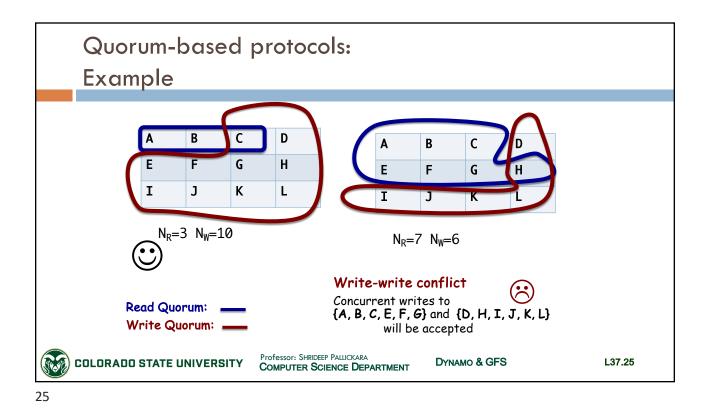
# CSx55: Distributed Systems

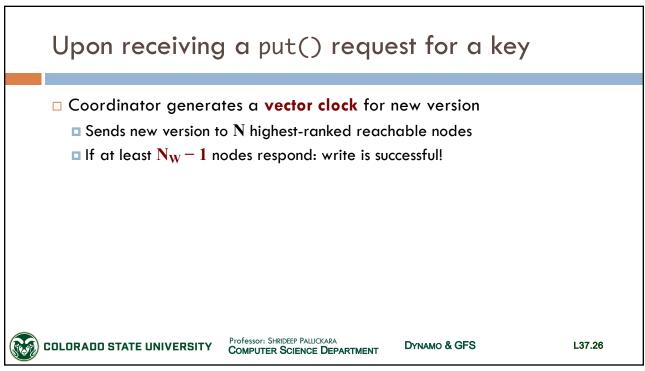
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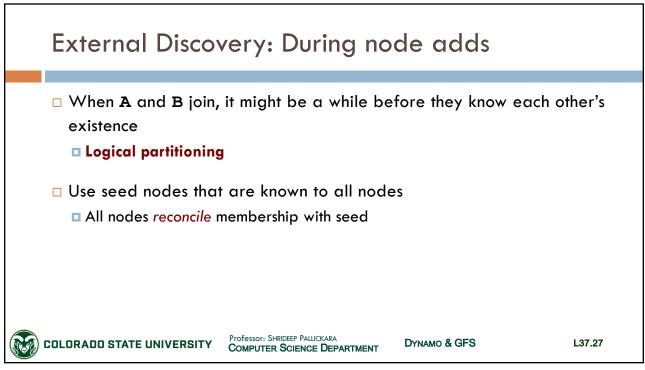


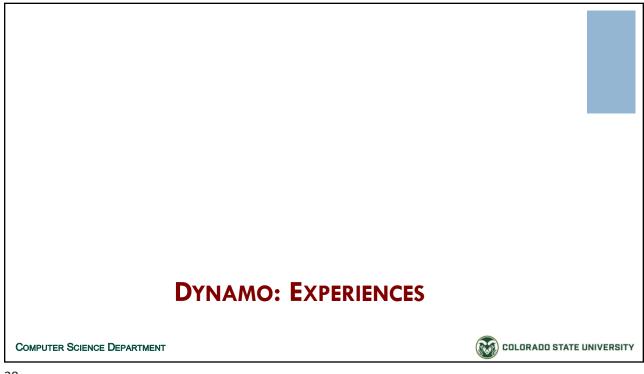
23

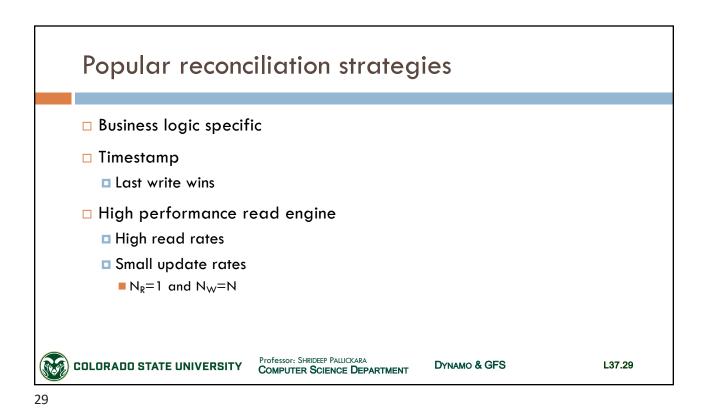


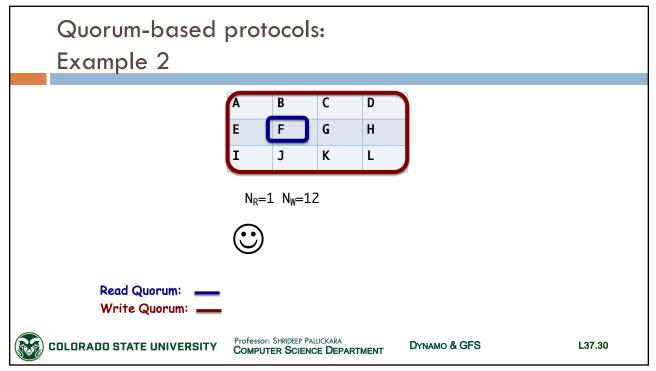


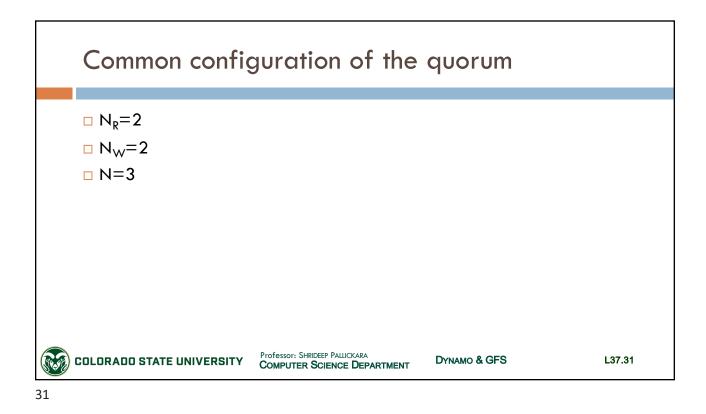


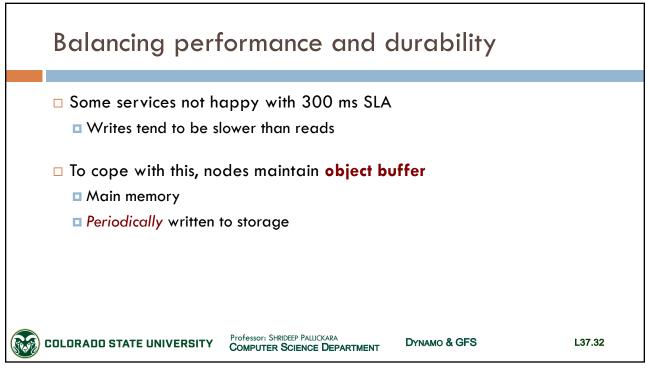


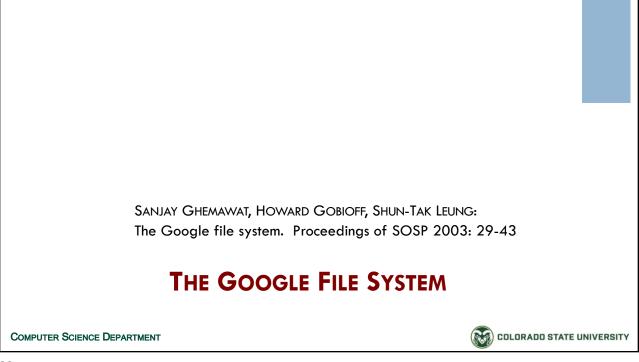




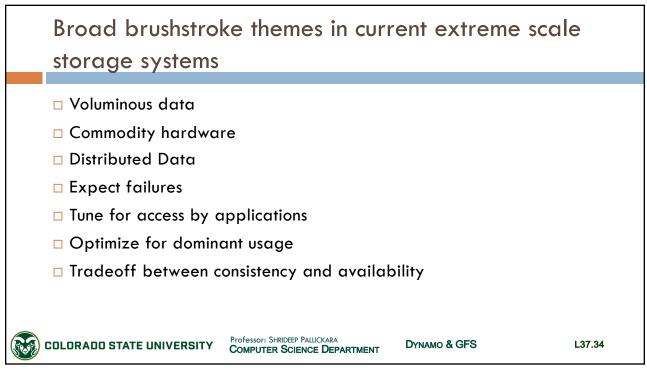


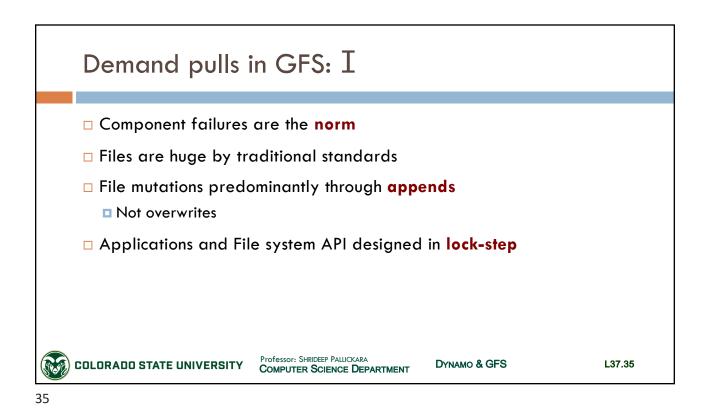


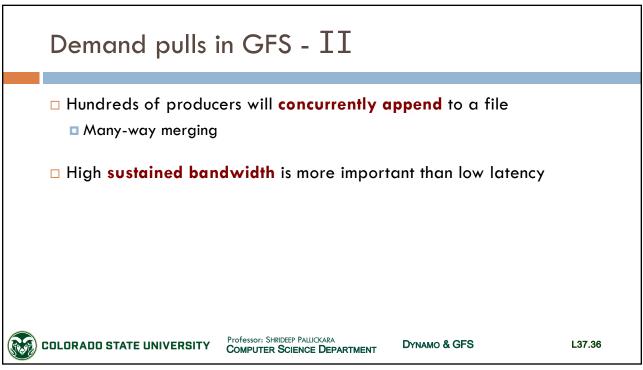


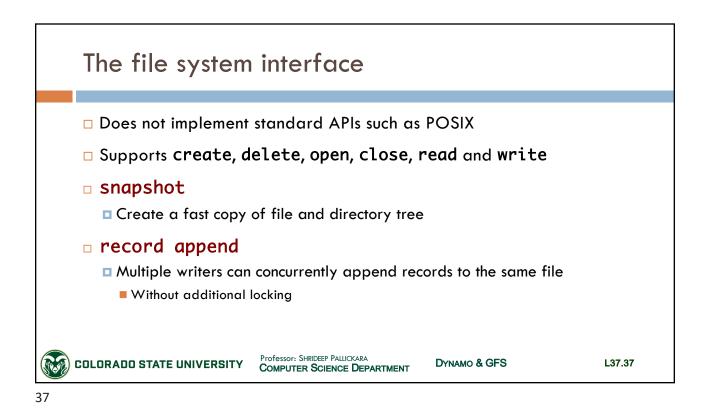


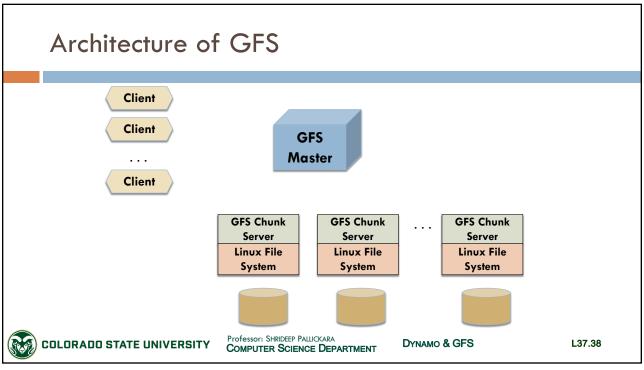


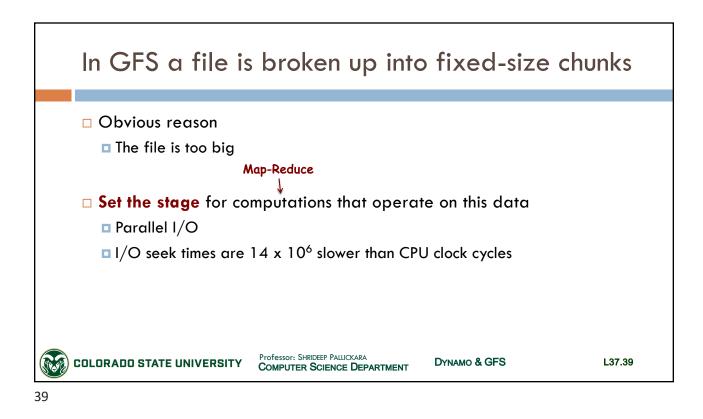


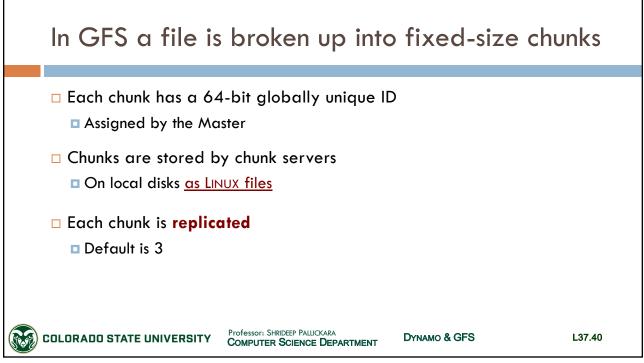


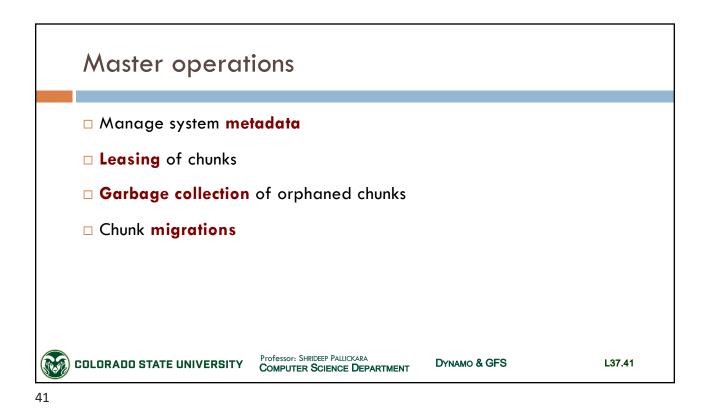


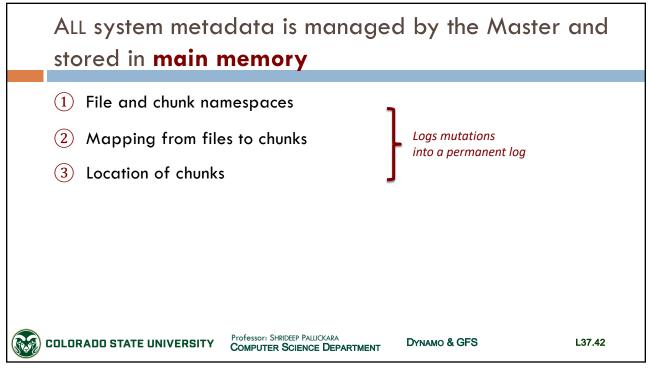


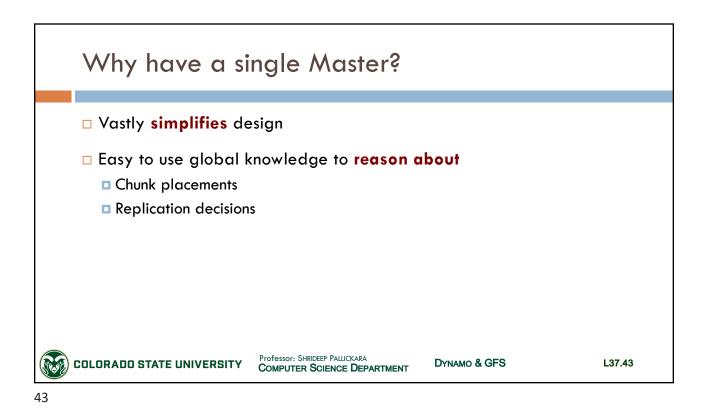


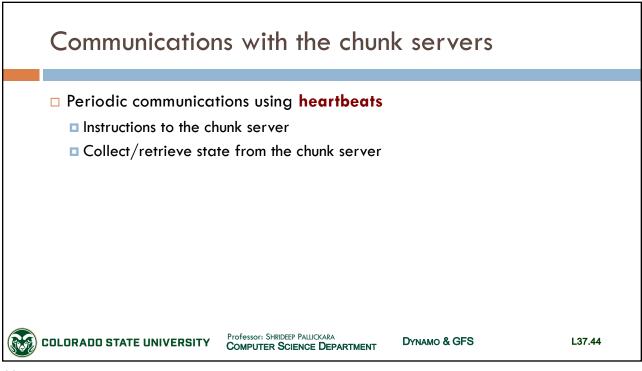






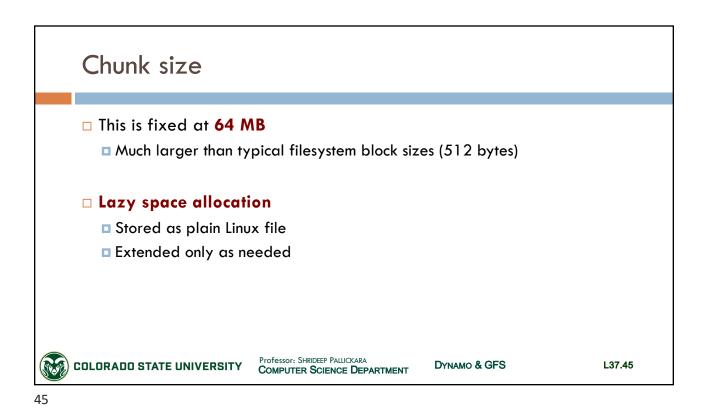


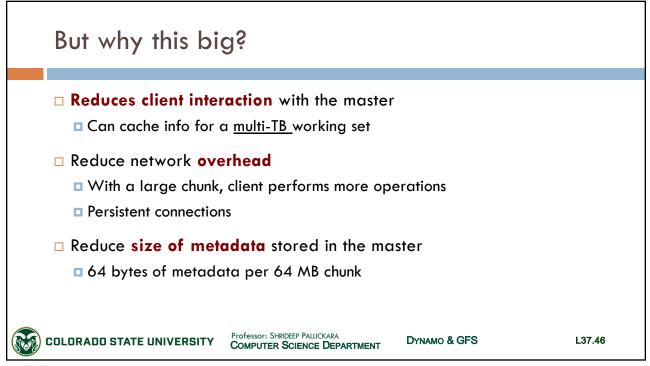


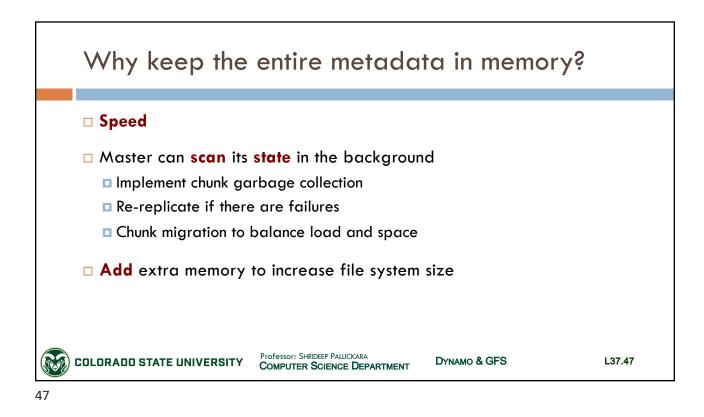


# CSx55: Distributed Systems

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Size of the file system with 1 TB of RAM: Assume file sizes are exact multiples of chunk sizes  
Number of entries = 
$$2^{40}/2^6$$
  
MAXIMUM SIZE of the file system  
= Number of entries x Chunk size  
=  $\frac{2^{40}}{2^6} \times 2^6 \times 2^{20}$   
=  $2^{60} = 1 \text{ EB}$   
EXAMPLE COMPUTER SCIENCE PAUCCARA  
COMPUTER SCIENCE DEPARTMENT DYNAMO & GFS L37.48

