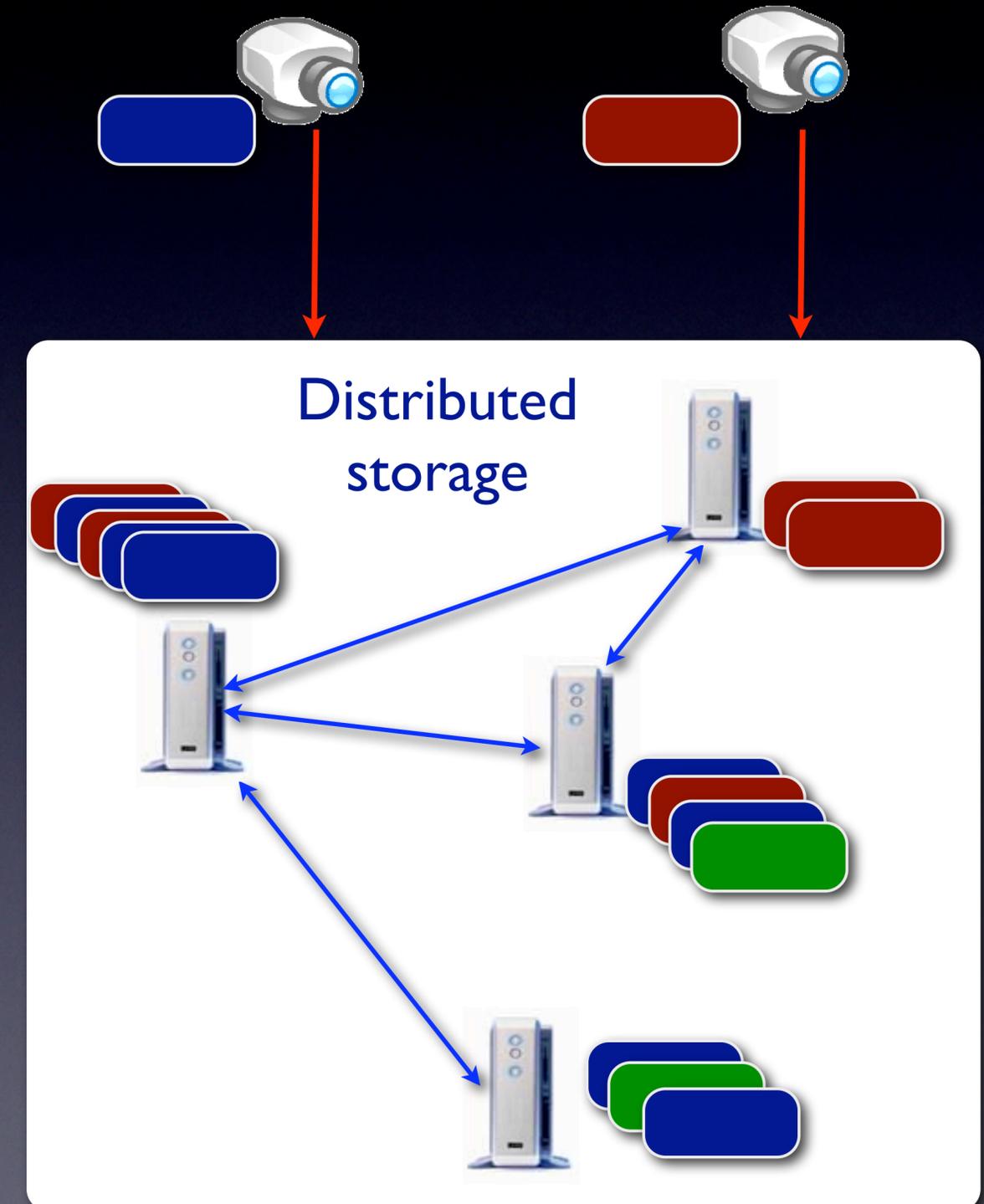




Diamonds are forever, files are not

Surendar Chandra, Ashish Gehani and Xuwen Yu
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- Scenario: Distributed storage for multimedia
 - all university lecture videos
- Objects large: expensive to provide service for all objects all the time
 - services: replication for availability/reliability, placement for performance, long term security,
- Observation: not all objects are equally important
- Proposed Approach:
 - Applications annotate temporal object importance
 - Storage lowers service for less important object





Diamonds are forever, files are not

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- Managing object persistence

- Current approaches:

- require manual reclamation or
- continual addition of new storage

- Proposed:

- Annotate temporal object importance
- Storage evicts less important objects to store more important objects

- Challenges:

- Annotations - simple, intuitive and implementable

time →

- Storage helps by providing snapshot of current state

