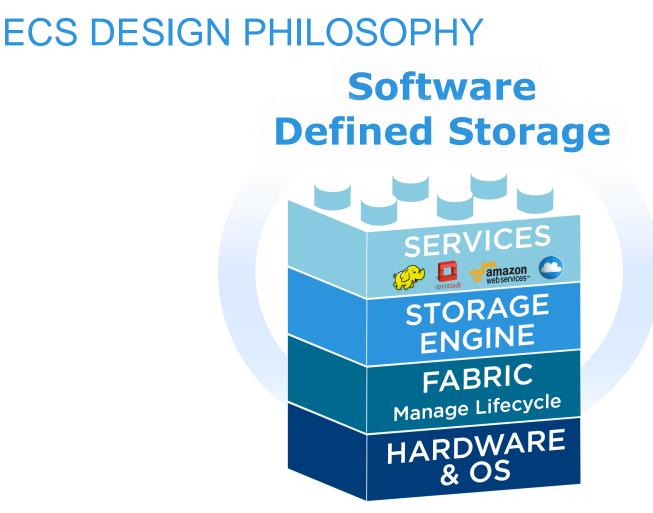


SHASHWAT SRIVASTAV SR. DIRECTOR, ENGINEERING

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LAYERS IN SYSTEM

TRANSACTION LAYER	Parses object request. Reads / writes object data to chunk.
INDEX LAYER	File-name/data-range to chunk mapping Secondary indices.
CHUNK MANAGEMENT LAYER	Chunk information (e.g. location) Per chunk operations.
STORAGE SERVER MANAGEMENT LAYER	Monitors the storage server and discs. Re-protection on hardware failures.
PARTITIONS RECORD LAYER	Records owner node of a partition. Records btree and journal of partitions.
STORAGE SERVER (CHUNK I/O) LAYER	Direct I/O operations to the disks.

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ECS CLOUD STORAGE PLATFORM

GEO DISTRIBUTED ACTIVE-ACTIVE ARCHITECTURE

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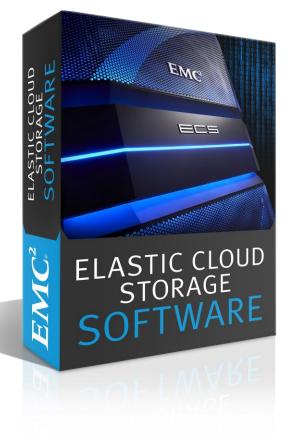
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OPTIMIZED GEO PROTECTION

- Ability to tolerate one data center failure
- Reduced storage overhead
 - Similar to geo erasure coding scheme
- Reduced WAN overhead
 - Unlike geo erasure coding scheme
- Local access of data written in the data center

BUILD YOUR OWN ECS (DIY)



- HW & OS agnostic
- Self-contained
- Docker containers





