

SFD21 - Hammerspace

“Storageless Data”

*David Flynn - CEO

Storageless data - marketing hyper or real?

Data Gravity - Bad or good?

Serverless compute - how does it relate to storageless data?

Storageless Data

What exactly is it?

Ultimately your data has to live on storage

Consumption side abstraction - I don't want to care about how it maps to servers,
how it maps to storage

Data-focussed approach to storage

The agent needs to run on everything - virtual, physical, containers - can't be bound
to specific hardware

Needs to be multi-vendor, multi-protocol

Presumes metadata

Make data into a routed resource

Objective-based orchestration

You have to be able to do all of this without killing the benefits of the infrastructure
(performance, reliability, cost, management)

Global storage Manager

Metadata, etc

Universal Data Provider

Make it fast? Don't go over the network at all.

Statements of intent are required

“Empowering data to be self-managing through metadata”

*Douglas Fallstrom - Demo

Officially supports 8 sites at the moment, have tested with 32 sites

Eventually consistent model

Global file system is global per share

NFS v4.2 automatically load balances

Metadata replication can be setup to be periodic - and customised at each site

Shared object volume as a means to get data from A to B

Always rehydrate data and serve it locally over NAS via SMB or NFS

Priced on capacity - data under management. Can also purchase via Amazon
Up to 10TB free on public cloud vendors (AWS, GCP, Azure) from a Hammerspace
perspective

Support for any NAS endpoint

Storageless data frees data to be free across multiple DCs like it wasn't before