Marketex Computer Corporation

Consolidate scattered corporate data, multiple file systems, Multiple storage systems, tape systems, archive data and more...

Into one Flash Accelerated Archive. Super-easy to deploy and use. IBM support! Seamlessly combines NVMe Flash disk And IBM tape libraries in a single view of the data.

FAAST

Flash Accelerated Archive Storagem

- Object storage is a warm archive.
 - > Single tier response times in the \sim 50-100ms range.
- Requires geo-disbursement and multiple physical locations to realize the "single copy" value proposition.
- > On-prem or geo-disbursed, creates inter-node network reliance.
- Users may not trust their data to a single copy strategy...they are more comfortable with the traditional "working and backup copy" paradigm.

"OBJECT STORAGE ALONE LACKS KEY FUNCTIONALITY REQUIRED FOR AN ACTIVE ARCHIVE IN THE ENTERPRISE DATA CENTER". WHY?



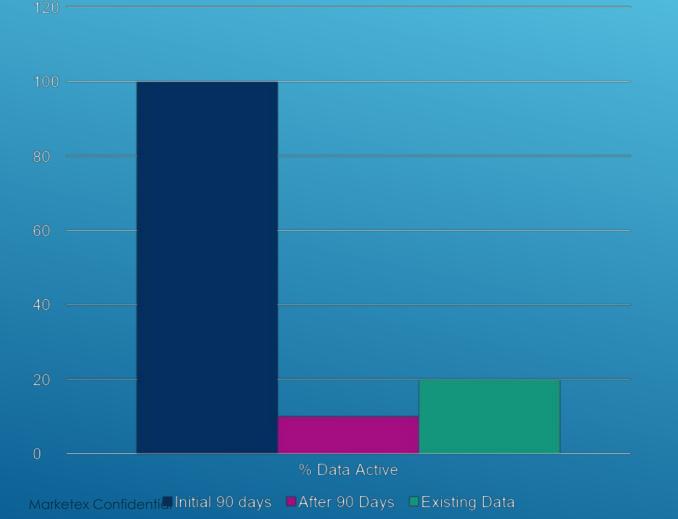
- Object storage is expensive for an incomplete solution.
 - ► ~\$1,000/TB for HW/SW (cost of acquisition).
 - SWMA adds significantly to TCO.
- Object storage is reliant on spinning disk.
- HDD's further negatively impact TCO.
- HDD's create "green" concerns....space, power consumption, heat dissipation, ambient sound.

OBJECT STORAGE HAS NOT GAINED TRACTION IN THE ENTERPRISE DATA CENTER. WHY?



Data is active for an initial period post-creation or access... and then falls into dormancy

Typical Data Use Pattern



DATA USE AND TRENDS

>90% of data, if not referenced for 90 days, will never be accessed again.

80% of existing data is dormant now.

Data doubles every two years.



Market Required

- Fast archive for initial use period.
- Semi-permanent archive for data useful life.
- Ease of deployment and use.
- Seamless desktop view of data across multiple storage tiers

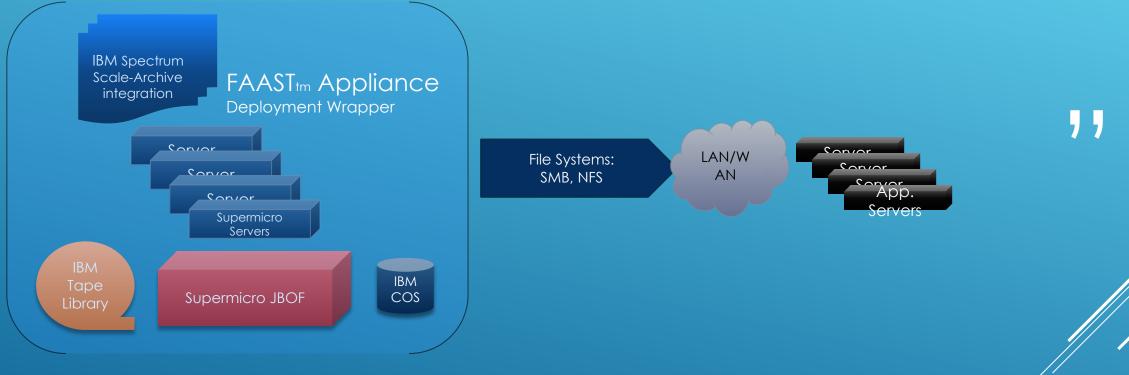
Vendors Delivered

- Single tier, medium response profile
- Poor TCO.
- Complexity of deployment and management.

OBJECT STORAGE VENDORS GOT IT WRONG



FLASH ACCELERATED ARCHIVE STORAGE



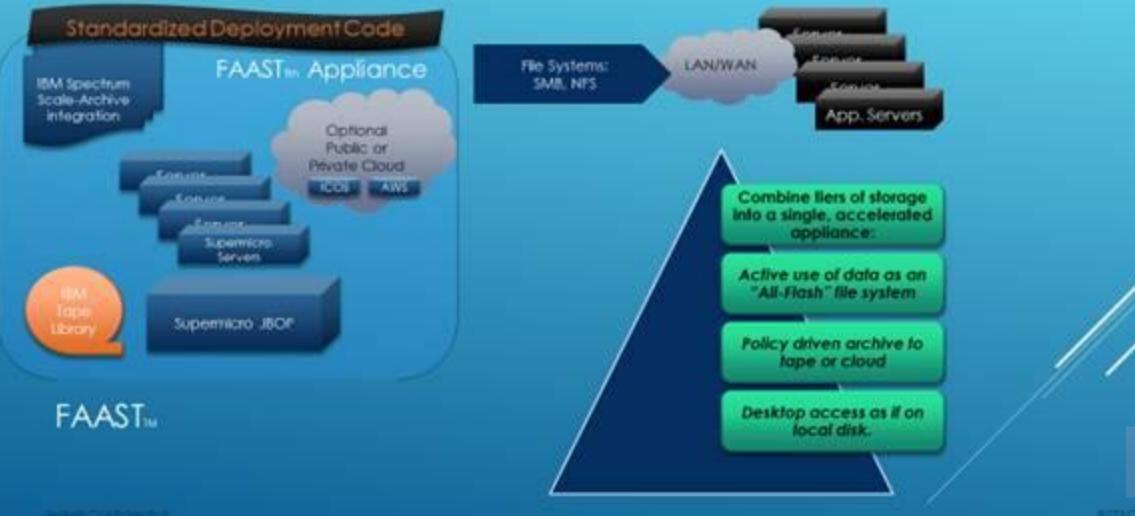
FAAST

Combines three tiers of storage into a single, accelerated archive appliance:

Supermicro servers, Intel JBOF flash storage, IBM tape libraries and IBM Spectrum Scale-Archive-EE, code

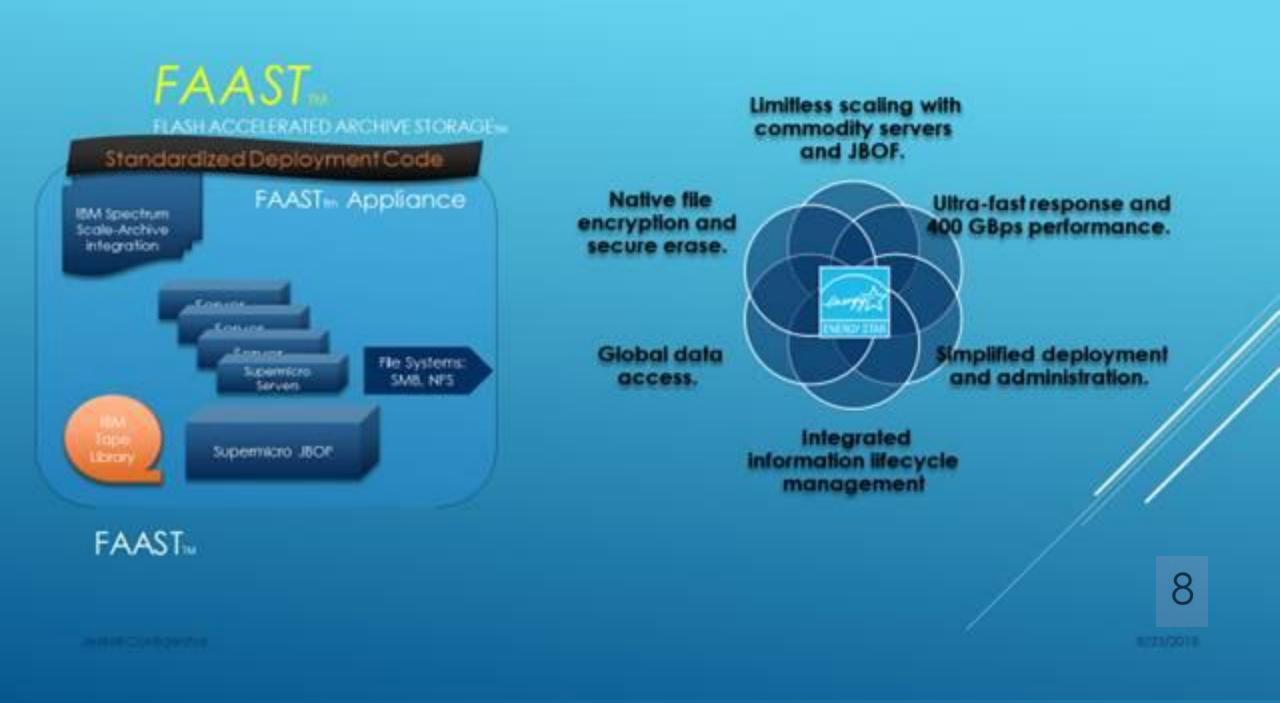
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Consolidation Use Case

- 20 PB of critical data scattered across multiple storage and locations and file systems
- Systems
 300 active users on CFS,NFS File
- Require 300 TB of Flash Storage for active data
- 20 PB to consolidate referenceable dormant data
- Green concerns
- Favor tape for long-term retention and portability
- Second-location copy of data

USER REQUIREMENT EXAMPLE (name available on request)

CONSOLIDATION All data, all tiers, all file systems All in one place, Flash Performance, Archive Cost

FAASTm Appliance

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SPECTRUM SCALE SPECTRUM ARCHIVE-EE

FAAST_{IM} CAPITALIZES ON IBM'S HUGE INVESTMENT IN INTEGRATING SPECTRUM SCALE AND ARCHIVE

..... IBM has done the integration to provide a seamless view of the data as if all on disk.



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IBM SUPPORT

IBM WILL SUPPORT AND MAINTAIN THE CODE, TAPE LIBRARIES, OBJECT STORAGE AND MORE

Users will have great support from IBM SSR and field teams

8/23/2018

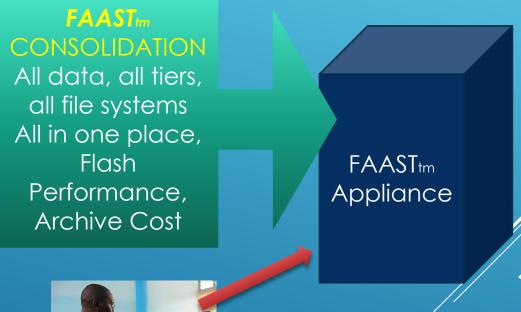
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Marketex Confidential

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Users see all Flash and Tape Data as if part of their regular Windows or Unix directory tree

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