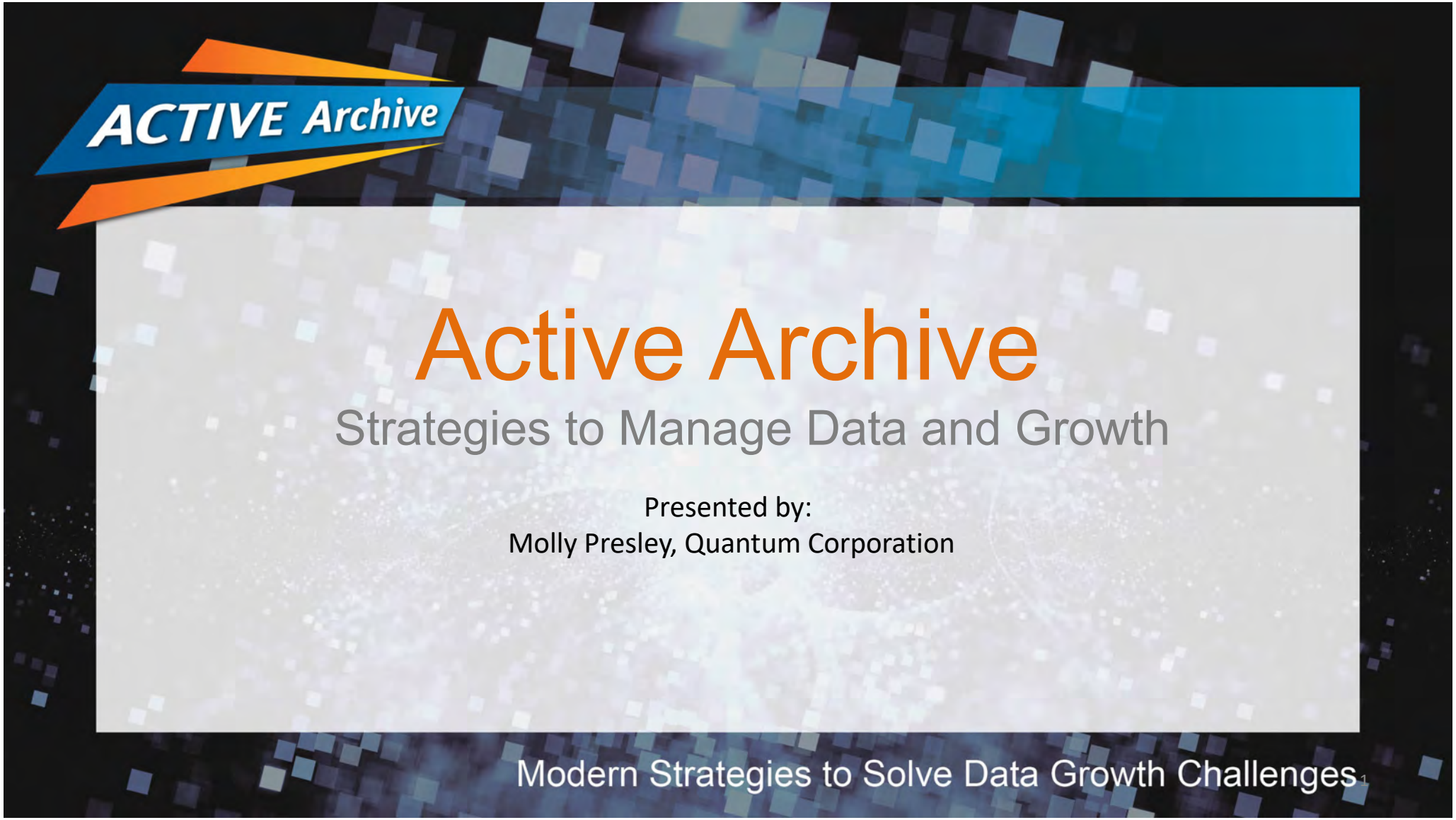
ACTIVE Archive
Active Archive
Strategies to Manage Data and Growth
Presented by:
Molly Presley, Quantum Corporation
Modern Strategies to Solve Data Growth Challenges
1

Voting Members

FUJIFILM

Quantum

SPECTRA

Contributing Members

komprise

STRONGBOX DATA SOLUTIONS

Western Digital

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Some Industry Observations Related to Data Growth

Industry	Observation	Scale
Media and Entertainment	Data growth: Production: 8K, 3D, Immersive, … Mostly ground based. More AI for search, repurpose, monetization, compliance	Petabyte workflows. Exabyte Archives.
IoT, Smart Cities	Data growth: more deployments, higher res, longer retention Mixed cloud based (IoT), ground based (security) Lots of data feeds; developing use cases and business models	Exabyte accumulation.
Autonomous Vehicle Development	Data growth: more cameras & sensors, higher resolution, more players Mostly ground based. Drive for increased AI precision, accuracy	Petabyte workflows. Exabyte archives.
Life Sciences	Data growth: Genomics workflow cost reductions fueling more deployments. Higher resolution, more powerful microscopy. Mostly ground based (clinics, capture); cloud for standard datasets and common analysis tasks	Terabyte to PB workflows. Petabyte to Exabyte archives.

What do all these data types of in common?

Business Critical

Rich Media Elements

Variety of Data Creation Inputs

Revenue Generating

High Performance & Archive Requirements

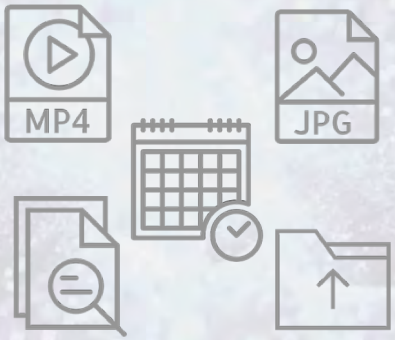
Content Sharing is Part of Workflow

The Evolving Value of Storage

DATA CAPACITY

"How Much Space?"
"Cost of Capacity?"
"Percentage Full?"

DATA MANAGEMENT



"What Kind of Data?"
"When Last Used?"
"Where Should It Sit?"
"Move It There!"

DATA INTELLIGENCE

"What Was Said?"
"Where's That Object?"
"Find That Face!"

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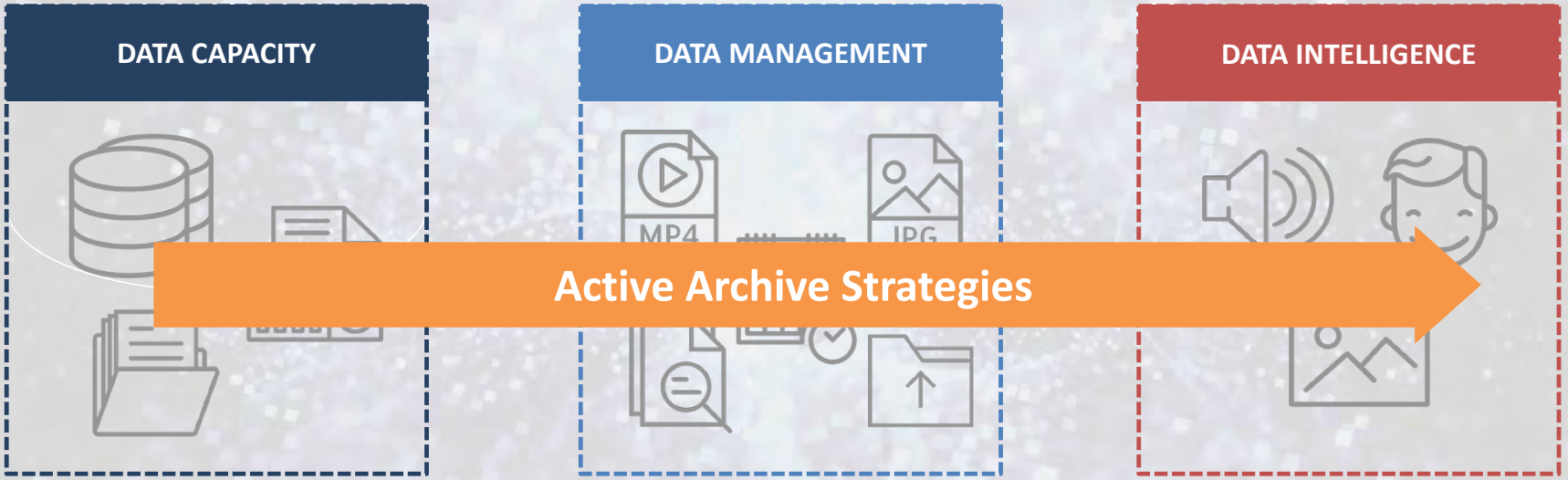
The Evolving Value of Storage



AS STORAGE CAPACITY BECOMES A COMMODITY, ACTIVE ARCHIVES CREATE MORE INTELLIGENT STORAGE SOLUTIONS THAT HELP MAXIMIZE THE VALUE OF CONTENT.

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Why Active Archive?
Data on the Right Storage at the Right Time

Cost to Store 1PB Over 3 Years

Sources and assumptions: Includes product price, 3 year support, $1,000 per month hosting fees, and storage admin costs for non-cloud items. For S3 and Glacier, assumes 10% of data accessed each month out of the cloud.

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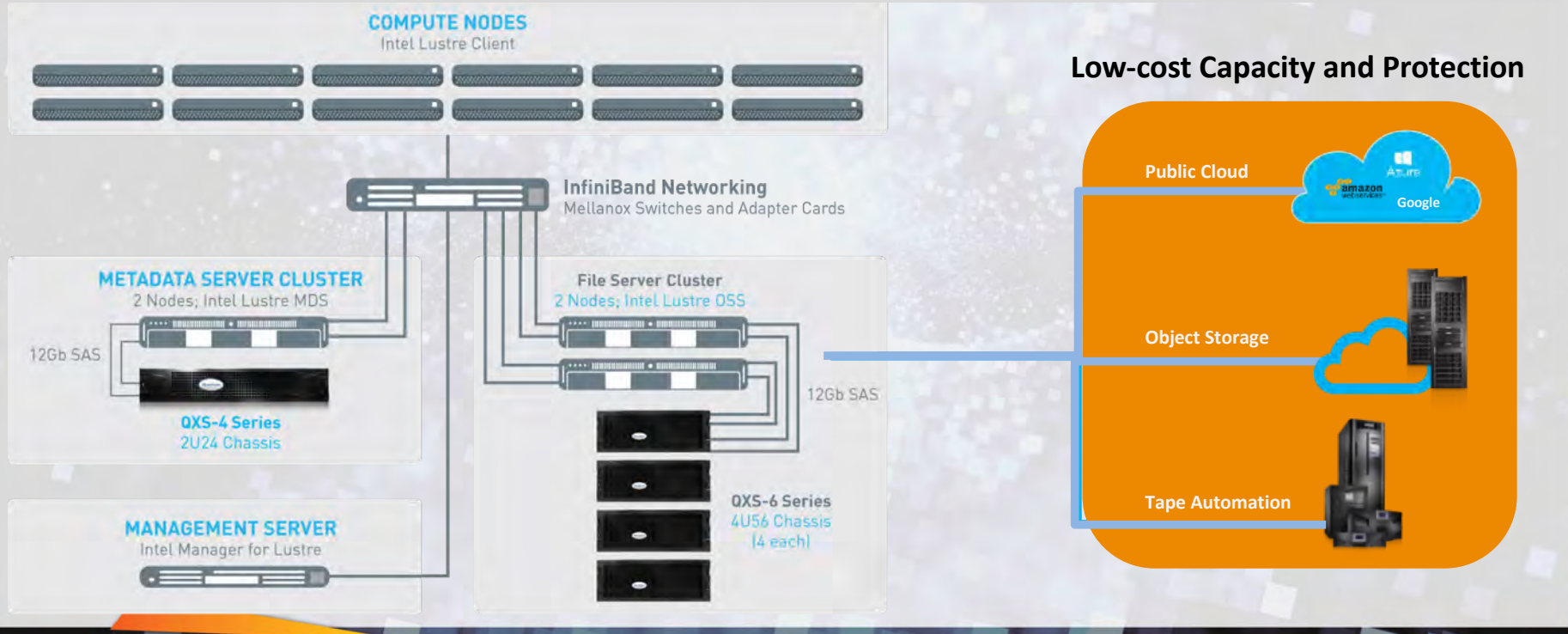
Single Global Namespace (typically)



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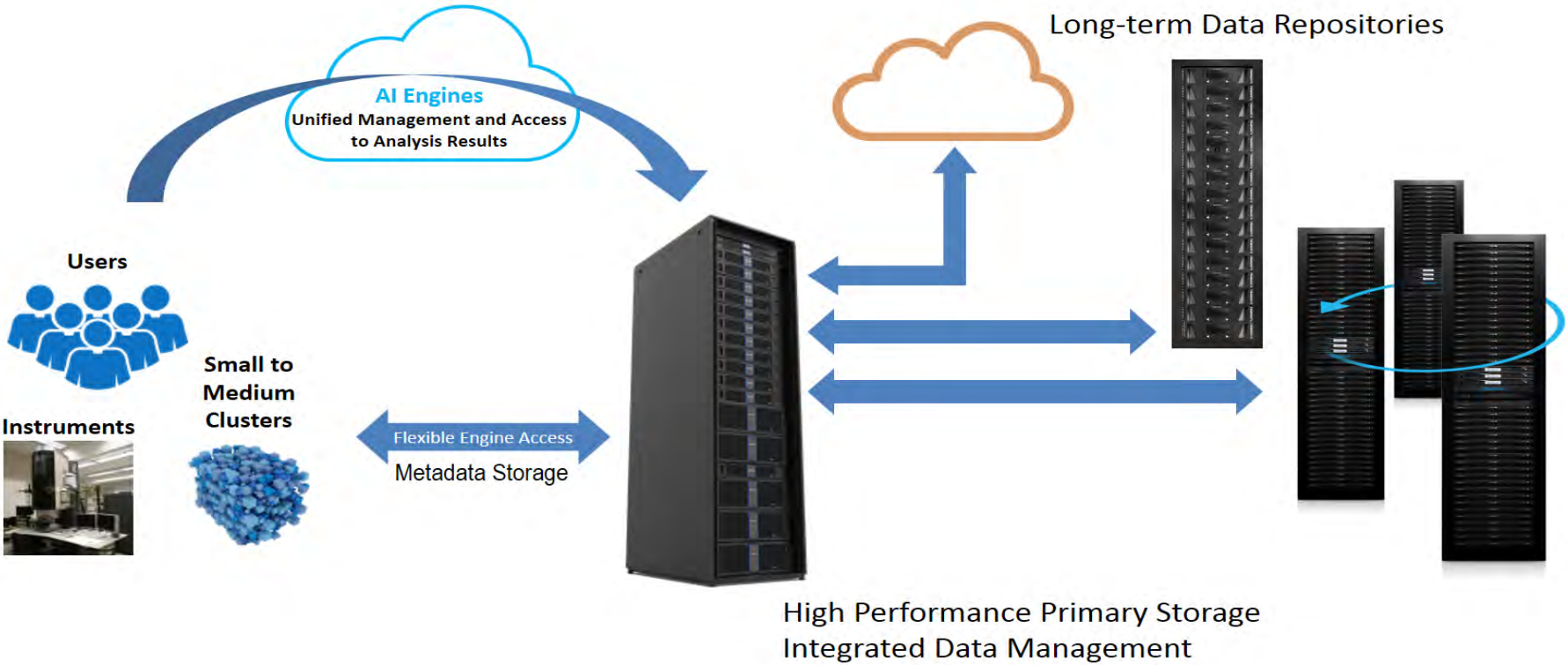
Leveraging AI in an Active Archive? On-premise and in the Cloud

- Unlock Hidden Value New cognitive storage platform unlocks value from new and existing content
  - Generate extensive metadata about not just text but audio & video data as it is captured
  - Monetize and bring life to tape archives as a background process or during a migration
- Localized, hybrid and cloud options options
  - Minimize Data Movement
  - Adhere to Security Protocols
  - Create an Optimized AI Workflow
  - Reduce Costs



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Thank You!

…and please visit us at

www.activearchive.com