

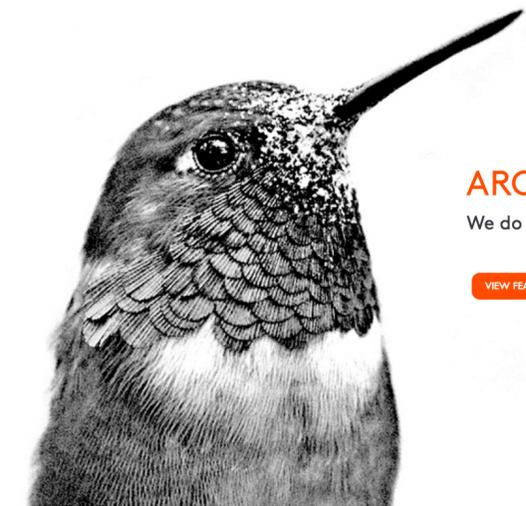


Versity Software

Building Better Archives

Harriet Coverston, Co-founder & CTO

September 19, 2017



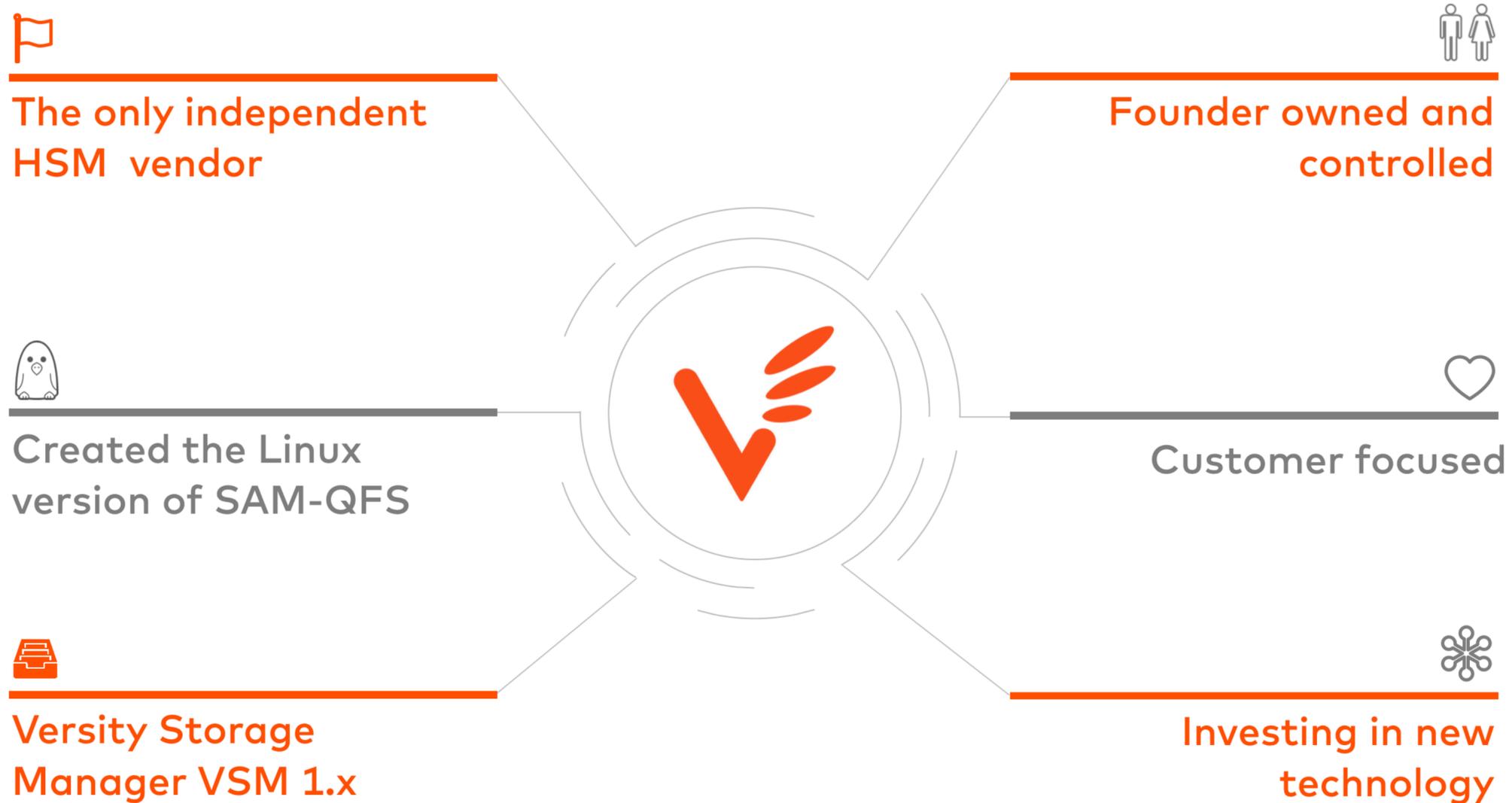
ARCHIVING IS OUR FOCUS.

We do one thing, and we do it well.

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Who is Versity ?



Customer Locations



Total Data Managed
+ 520 PB

- United States
- Europe
- Middle East
- India

Archive Technology Landscape

Data Creation



Storage Hardware



Storage Software

HSM



Exponential
Increase

Not Scaling

Exponential
Increase

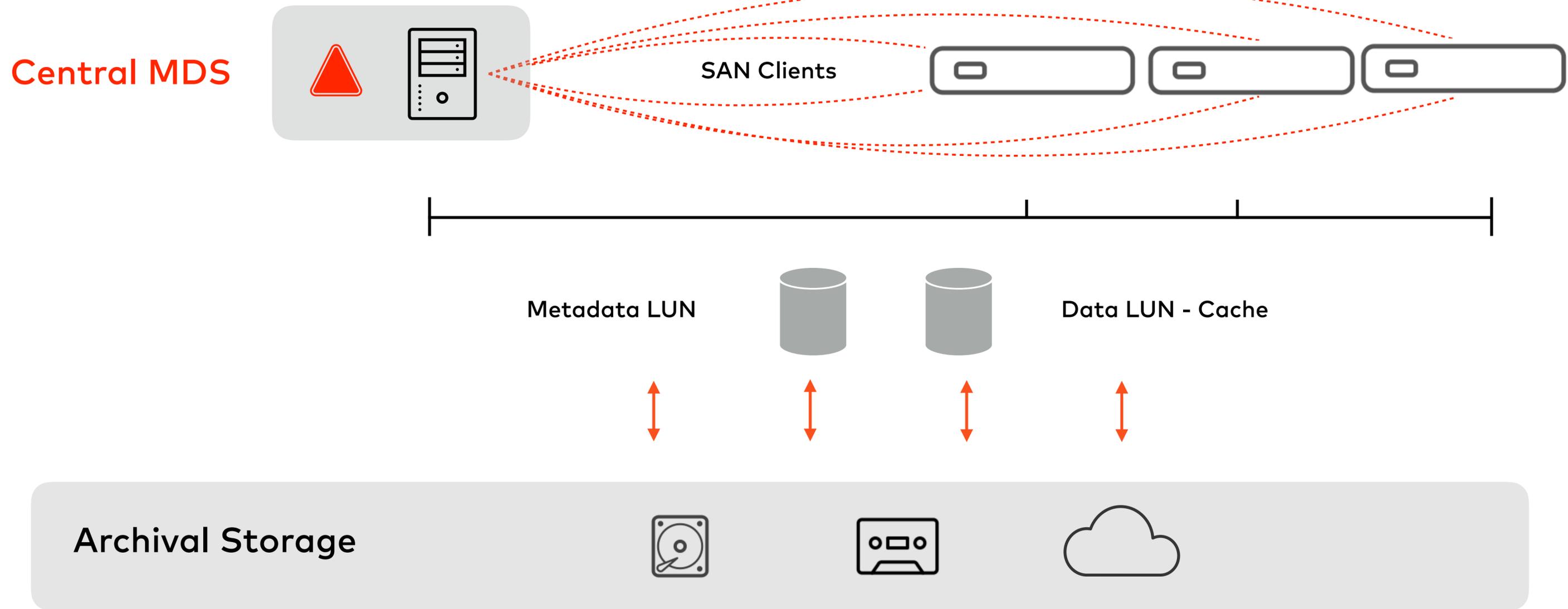
Challenge

How to archive @ 10^{12} scale?

Requires a new approach

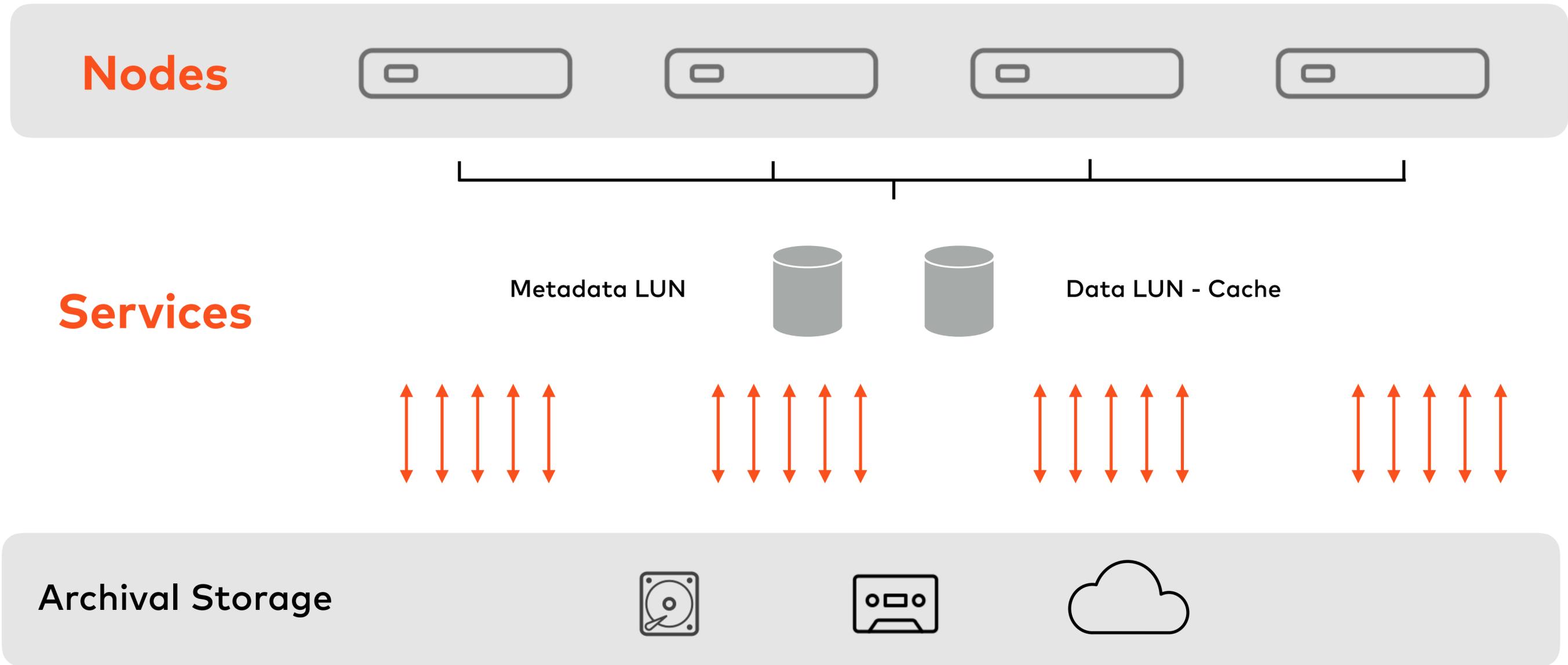
From Server with Clients

Centralized



To Nodes & Services

Scalable



Next Generation HSM Attributes

Scalable

- Trillion file namespaces
- Scale out metadata services
- Zetabyte capacity
- Total throughput scales
- Unlimited copies
- Remove scanning
- Distribute work
- Parallelize work
- Monitoring services
- Alerting services

Open

- Open-source file formats
- Open-source file systems
- Free right to read data forever
- Zero contractual lock-in
- Zero technology lock-in

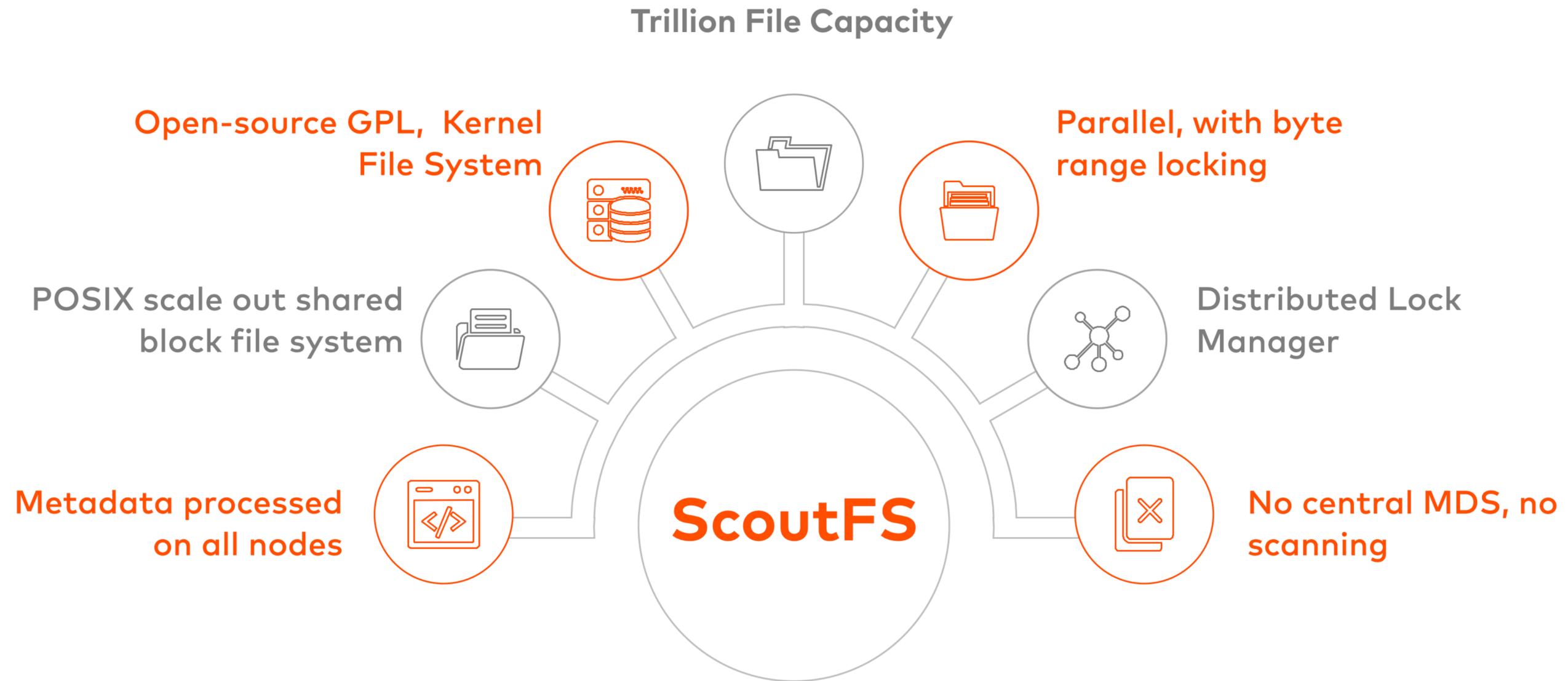
Accurate

- Block + file checksum
- Fixity (WORM)
- Background data validation
- Automated error correction
- Support diverse storage targets
- Archives metadata information



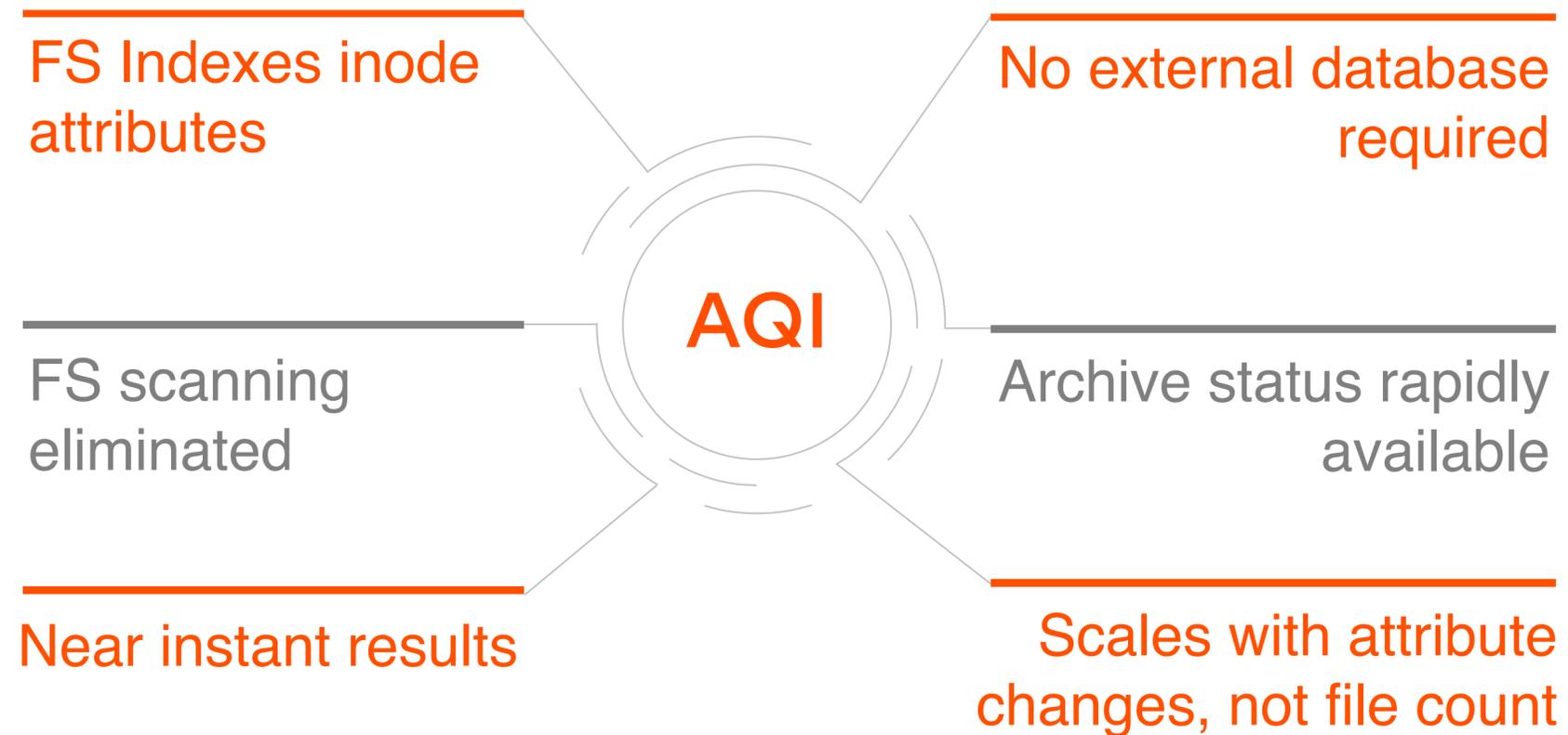
Versity Storage Manager 2.0

Scale Out File System (ScoutFS)

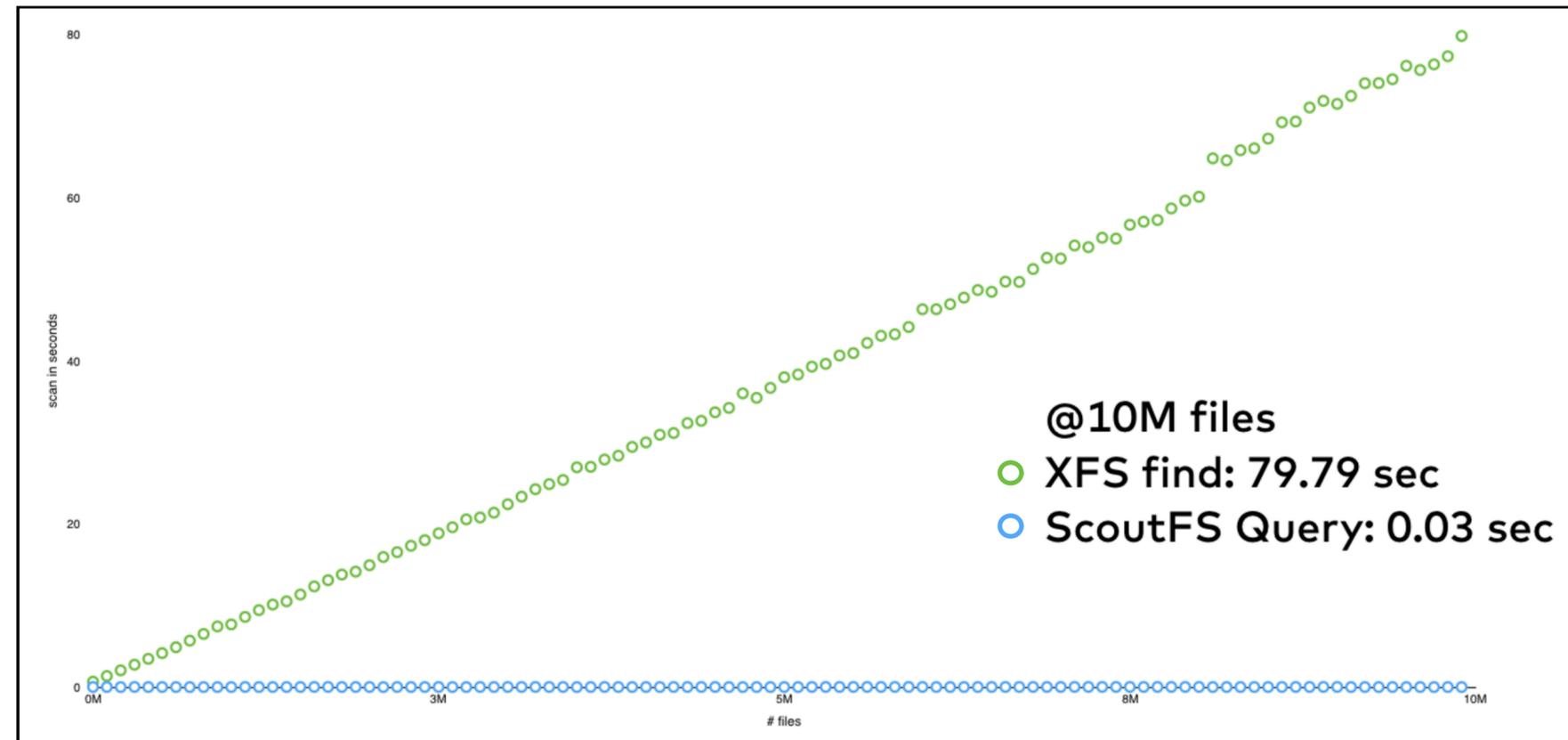


Key New ScoutFS Scalability Technology

The Accelerated Query Interface (AQI)



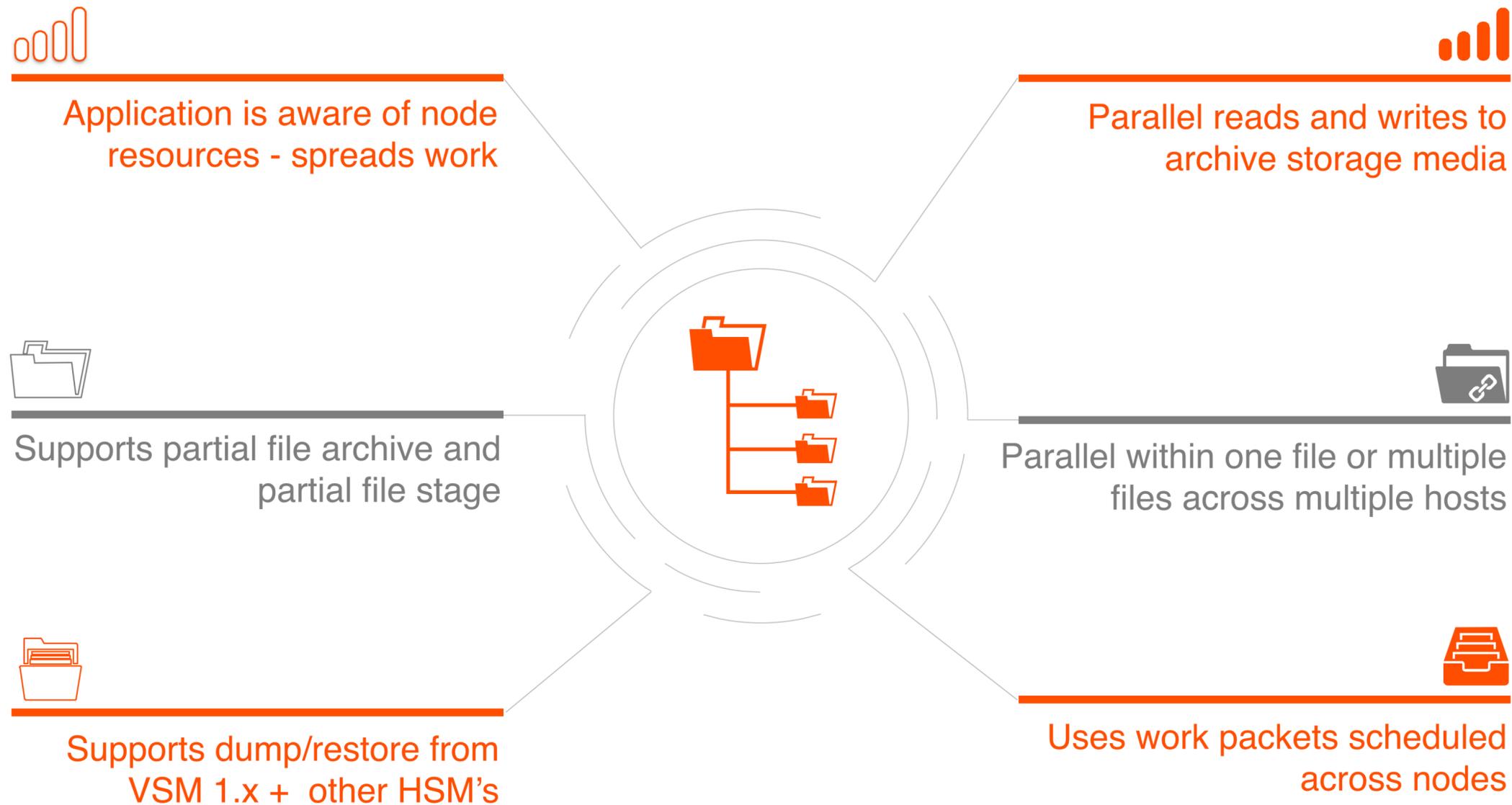
ScoutFS AQI Performance



Eliminates file scanning bottleneck

Panorama

Scale out archiving application





Thank You

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