



Strategies for Improving Performance while Saving Money on HPC Workloads

Supercomputing 2025

Before we get started...

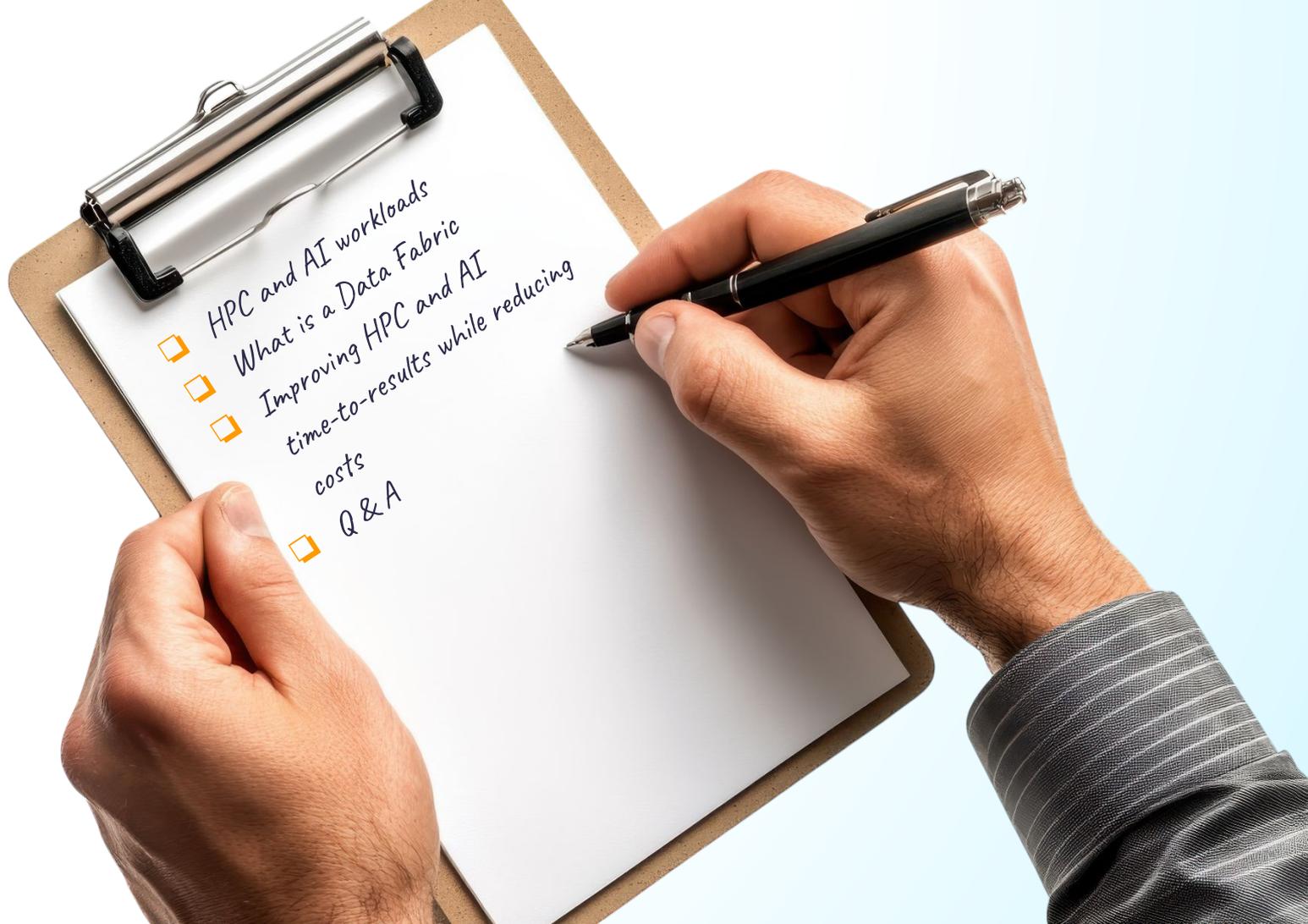
Some housekeeping details

- Please feel free to ask questions along the way. We have plenty of time to answer.
- We are recording today's presentation and you can get to all the show content using the QR code here or on the booth flyer.
- Thanks for dropping by, please make sure to get scanned and enter to win the LOOI Robot- AI Desktop Companion



Agenda

What we will
be covering
today

- 
- A hand holding a black pen is writing on a white notepad held by a silver clipboard. The notepad has a checklist with four items, each preceded by a small orange square icon. The text is written in a cursive, handwritten style. The background is a light blue gradient.
- HPC and AI workloads
 - What is a Data Fabric
 - Improving HPC and AI time-to-results while reducing costs
 - Q & A

The Challenge

HPC and IA
Workloads are
Expensive and
Time-Consuming



Solution

Move Data to
Compute without
Transferring or
Duplicating



What is a Data Fabric?

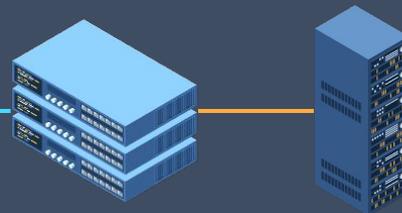
Extending a global namespace with strictly consistent data anywhere

Data Edge

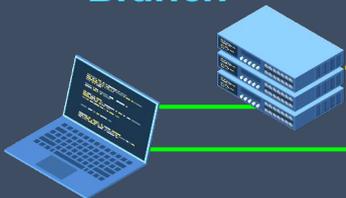


 **Data Fabric: Local and Controlled**

Data Core



Branch



Legacy and Inefficient Approaches

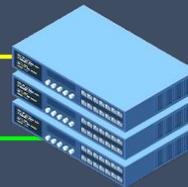
Weeks to months to pre-stage 100PB

Replication increases storage costs

Loss of data sovereignty

Unusable for key workloads

Data Center



NFS

CDF

SMB

Improving Time-to-Results while Reducing Costs

Workload goes where resources are available and most affordable



To unify the world's unstructured data, giving our customers the freedom to create, manage, and store ...any data, any location, with total control



Next Steps

Resources available to learn more

- Join us for a demonstration at our demo pod
- Reach out to our sales & solution engineering team (sales@qumulo.com)
- Learn more at www.qumulo.com
- Discovery Workshop

60-90 minute discovery workshop to review our engineering, operations, executive priorities, IT systems estate & landscape, and your current data strategy. Afterward, we will consult and provide an architectural design review, technology demonstration, and identify key workloads for your organization.

Q&A



Thank you!