



Japan Lustre User Group

2020



Japan Lustre User Group: 10 Years!

- ***Lustre in Japan in 2010***

- Handful of systems and users (TITECH, Tsukuba University, IMSUT, etc.)
- Mostly academic users with limited traction in industry
- Several 10s of PBs of capacity and 100s of GB/sec of combined throughput
- First super-large Lustre systems with K Computer at RIKEN Kobe with over 2000 OSSs starting operation in June 2011

- ***Lustre in Japan in 2020***

- Several 100 systems and end users
- Solution of choice for most large academic systems
- Broad user community (academia, weather & climate, genomics, AI, cloud, large-scale data lakes, archive, etc.)
- Several Exabyte of capacity and 10s of TBs/sec of combined throughput
- 150 PB at Fugaku Riken Kobe system starting operation in 2020



Lustre: Shared POSIX Storage for Today's Most Demanding Application

- By far the most common storage platform for Large HPC Systems
- Broadly used for “Research Big Data”
- Increasingly used for the largest problems in Machine Learning and AI
- New application workloads in corporate Data Analytics & AI
- Efficient platform for super-large “Datalakes”
- Added support for Virtualized & Containerized Environments
- New “on-demand” modalities in Cloud & Hybrid Cloud

