



LC User Meeting

October 14, 2025

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Livermore Computing

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Agenda

11:00	LC Update	Elsa Gonsiorowski
11:10	LLamaMe API & LC RAGGED LLaMa	Otto Venezuela
11:25	Tensor Board	John Westlund
11:30	Job Ephemeral Data Services	Zeke Morton
11:40	LC Wormhole	John Consolati
11:45	<i>Questions & Discussion</i>	



System Updates

Migrate Your Data!

- ▶ Sierra, Lassen, and RZAnsel are retired
- ▶ /p/gpfs file systems will be decommissioned **Monday November 3 at 8am**
- ▶ Move your data asap!



El Capitan in ATCC20



- ▶ Tuolumne, RZAdams, and El Capitan users meeting series has begun. Next meeting is November 6, 12:30pm PT, connection details sent via email.
- ▶ Detailed documentation available at hpc.llnl.gov



Livermore Computing: HPC at LLNL

Our Machines

Featured

AI Overview



Latest TB



Important
Update

El Capitan Docs



Using El Capitan Systems

This user guide includes a quickstart section on gaining access, familiarizing yourself with El Capitan hardware, choosing a compiler, and setting up your environment.

Matrix and RZVector: Small NVIDIA Clusters



- ▶ **Matrix** available to CZ users
 - ▶ 28 nodes
- ▶ **RZVector** available to SD / ASC users
 - ▶ Priority for AI4NS
 - ▶ 16 nodes
- ▶ 4 NVIDIA H100s per node
- ▶ GPU-scheduled with Slurm



PyTorch in LC

- ▶ New [PyTorch quickstart guides](#) demonstrating setup across multiple architectures
- ▶ Optimized PyTorch versions available for El Capitan Systems
 - ▶ Custom, performant Torch wheels available
 - ▶ Specific settings required for optimal multi-node performance

AMD GPU Systems

El Capitan, Tuolumne, RZAdams, Tioga, Tenaya, RZVernal

NVIDIA GPU Systems

Matrix, RZVector

CPU-only Systems



Lustre Bug



Lustre Bug

- ▶ TB #588: Lustre File Mismatch Bug
- ▶ TB #591: Lustre File Size Mismatch Bug Self-Help Utility
- ▶ Please help us clean up!

```
$ cd /p/lustre1/harr1  
$ ls size-mismatch-affected-files.harr1.2025-sep-16.txt  
size-mismatch-affected-files.harr1.2025-sep-16.txt
```

```
$ find-file-size-mismatches  
usage: find-file-size-mismatches [-h] [--replace] affected_files_list  
find-file-size-mismatches: error: the following arguments are required:  
↪ affected_files_list
```



Lustre Bug Cleanup 1

```
$ find-file-size-mismatches size-mismatch-affected-files.harr1.2025-sep-16.txt  
/p/lustre1/harr1/MegFile  
2025-10-09T08-21-00 - find-file-size-mismatches:448 - INFO: 'Summary:  
Would Replace:      1  
Already Fixed:      0  
No Such Path:       0 (file previously moved or deleted)  
Not Regular File:   0 (file previously replaced)  
Multi Hardlinks:    0 (skipped)  
Not File Owner:     0 (skipped)  
Errors:             0 (may have failed)
```

Lustre Bug Cleanup 2

```
$ find-file-size-mismatches size-mismatch-affected-files.harr1.2025-sep-16.txt --replace
2025-10-09T08-21-14 - find-file-size-mismatches:167 - INFO: starting replacement of
↪ '/p/lustre1/harr1/MegFile'
2025-10-09T08-21-14 - find-file-size-mismatches:241 - INFO: '/p/lustre1/harr1/MegFile'
↪ replaced: usage reduced by approximately 7951360 bytes
2025-10-09T08-21-14 - find-file-size-mismatches:448 - INFO: Summary:
Replaced:          1
Already Fixed:     0
No Such Path:      0 (file previously moved or deleted)
Not Regular File:  0 (file previously replaced)
Multi Hardlinks:   0 (skipped)
Not File Owner:    0 (skipped)
Errors:            0 (may have failed)
```




Lustre Bug Cleanup 3

```
$ find-file-size-mismatches size-mismatch-affected-files.harr1.2025-sep-16.txt  
2025-10-09T08-21-23 - find-file-size-mismatches:448 - INFO: Summary:  
Would Replace:      0  
Already Fixed:      1  
No Such Path:       0 (file previously moved or deleted)  
Not Regular File:   0 (file previously replaced)  
Multi Hardlinks:    0 (skipped)  
Not File Owner:     0 (skipped)  
Errors:             0 (may have failed)
```



User Support

New MS Teams Space

- ▶ *Additional* venue for user questions
- ▶ Public team for LLNL employees
- ▶ Tri-lab access requires invitation, contact Elsa Gonsiorowski <gonsiorowski1@llnl.gov>
- ▶ **Hotline** channel monitored by LC staff



Livermore Computing (LC)

Public

Join Team



LC Hotline Support

Contact us 1-925-422-4531

Technical Consultants

- ▶ option 1
- ▶ lc-hotline@llnl.gov

Account Specialists

- ▶ option 2
- ▶ lc-support@llnl.gov

Visit us B453 R1103 (Q-clearance area)

Hours

Monday–Friday
8am–12pm, 1–4:45pm
Except LLNL holidays

