

## LStore: Logistical Storage

*Thursday, October 13, 2016 4:30 PM (15 minutes)*

LStore was developed to satisfy the ever-growing need for cost-effective, fault-tolerant, distributed storage. By using erasure coding for fault-tolerance, LStore has an order of magnitude lower probability of data loss than traditional 3-replica storage while incurring 1/2 the storage overhead. LStore was integrated with the Data Logistics Toolkit (DLT) to introduce LStore to a wider audience. We describe our experiences with the CMS experiment's multi-petabyte installation capable of reaching sustained transfer rates of hundreds of gigabits per second.

### **Tertiary Keyword (Optional)**

### **Secondary Keyword (Optional)**

### **Primary Keyword (Mandatory)**

Storage systems

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**Session Classification:** Posters B / Break

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