



Contribution ID: 127

Type: Oral

Creating a content delivery network for general science on the backbone of the Internet using xcaches.

Tuesday 5 November 2019 14:45 (15 minutes)

A general problem faced by computing on the grid for opportunistic users is that while delivering opportunistic cycles is simpler compared to delivering opportunistic storage. In this project we show how we integrated Xrootd caches places on the internet backbone to simulate a content delivery network for general science workflows. We will show that for some workflows on LIGO, DUNE, and general gravitational waves data reuse increase cpu efficiency while decreasing network bandwidth reuse.

Consider for promotion

No

Primary authors: ZVADA, Marian (University of Nebraska Lincoln (US)); FAJARDO HERNANDEZ, Edgar (Univ. of California San Diego (US)); WEITZEL, Derek John (University of Nebraska Lincoln (US)); RYNGE, Mats (RENCI UNC Chapel Hill); LIN, Brian (University of Wisconsin-Madison)

Presenter: SFILIGOI, Igor (UCSD)

Session Classification: Track 4 –Data Organisation, Management and Access

Track Classification: Track 4 –Data Organisation, Management and Access