CORTX

Meet the Architect

Our next Meet the Architect will be on May 10th at 8 AM Pacific and feature Steven Wei Der Chien of KTH who will speak about modern storage infrastructures and the I/O programming model landscape in High Performance Computing. The talk characterizes how HPC applications can take advantage of these I/O models to tackle bottlenecks. Object storage, exemplified by CORTX Motr has the potential for replacing existing I/O subsystems for large-scale data storage. This talk is about work that is an outcome of co-development and research alongside Seagate in the Sage2 EU project. We hope you can join us!

If you missed last month's Meet the Architect, which featured Rick Osowski and Gregory Touretsky speaking about the 'Why' and the 'How' of the recent work to containerize CORTX, it is now available on Youtube.

2022 Global Integration Hackathon

We're thrilled to announce our upcoming CORTX Integration challenge, starting now! In this hackathon, participants will be challenged to create an integration between CORTX and another platform, or to create an integration with Filecoin. You can read more about this at the hackathon website.

CORTX in the News

CORTX was recently featured in a Blocks and Files article by Chris Mellor discussing the suitability of CORTX for high performance object access, following a doctoral thesis published by Steven W.D. Chien, at the KTH Royal Institute of Technology in Stockholm, including collaborative research with Jülich Supercomputing Center. Seagate's CORTX object storage was used for high-performance research projects in the European Union's SAGE Exascale computing initiative. Steven W.D. Chien will be speaking at our next Meet the Architect on May 10th.

CORTX at HPDC

We are pleased to announce that many of our own CORTX engineers, architects, and our IO-SEA partners will be participating in the EMOSS22 workshop at HPDC. EMOSS22 is the Emerging Open Storage Systems and Solutions for Data Intensive Computing half day workshop. Storage software infrastructure innovation will be at the center of all this. This workshop will focus on looking at the next generation of emerging storage software infrastructure innovations happening in scientific computing.

This event will be held online on July 1st. You can learn more about this workshop and register to attend at the website. This is going to be a fantastic event and we hope you can make it.

ICYMI

Updates and Changes:

- Pull Request #1670: Fixes parity math unit test
- Pull Request #1666 fixes a race with asynchronous completion call-back
- Pull Request #1662 contains code changes for FKVV Btree node to hold embedded record with indirect addressing
- Pull Request #1468: added a test for checking if CORTX cluster is starting

- Pull Request #1467 added user quota tests
- Pull Request #813 added REST API for getting node status
- Pull request #812 to implement REST API for tagging node as a permanent failure

Open Issues & Discussion

- New issue on layout access plan unit test failing
- Issue raised on client-server-bulk unit test failing.
- Issue raised on parity_math unit test failing
- Issue to bring attention to issue with CPU usage in HARE and Motr
- There was a discussion about an issue faced by a community member using the s3server repo.

See you in June!

Best,

Rachel Novak