

Rachel Novak

From: Rachel Novak
Sent: Tuesday, May 18, 2021 3:35 PM
To: Rachel Novak
Cc: Justin Woo; Patrick Hession
Subject: CORTX Monthly News & Updates
Attachments: CORTX Meet the Architect.ics



It's time again for the monthly CORTX Community Newsletter! Let's dive right in.

Meet the Architect

We are very excited to announce our next Meet the Architect Session. Please join us on **Thursday, June 3rd, at 8 am Pacific**, when we will be welcoming several participants from the recent hackathon to give presentations on the integrations they built, explain the uses cases they were solving for, and talk a bit about their experience getting up to speed with all things CORTX. Don't miss it- this is our first community-lead event!

New way to run CORTX

Last week we verified a new way to run CORTX. You can now also run CORTX in a single node cluster by building the source code in a Docker container. The guide for this is [here](#). Patrick Hession is currently testing it to see if it is possible to create this setup, edit the source code and then rebuild.

Deep Dive with Serkay Ölmez

There's a paper available from our own Serkay Ölmez, titled "[Reliability Analysis of Storage Systems with Partially Repairable Devices](#)." If you enjoyed his Meet the Architect talk on data durability, this paper will be of great interest.

CORTX in Sage2 at HPCDA

Sai Narasimhamurthy will be at the International Supercomputing Conference HPCDA workshop in July to present a workshop on CORTX in Sage2! If you are interested, you can [read more and sign up here](#).

CORTX Integration Challenge

The final scores are in and with that, the first global CORTX integration challenge is officially over. We had over 100 active participants, 21 fantastic submissions, and four winners. The competition was particularly fierce, with many of the final scores coming within a few tenths of each other. You can view the project gallery on [Devpost](#), or just jump right into the integrations on [Github](#).

Winners' Spotlight:

- **1st: [Biztalk adapter by Rod Da Silva](#).** The CORTX BizTalk Adapter is a piece of software adhering to the official BizTalk adapter specifications that allow it to enable the BizTalk messaging engine to read/write from/to a CORTX instance. The adapter enables CORTX to "light up" within the Enterprise by allow rich business processes to move, store and activate data within CORTX without themselves having to be tightly coupled to CORTX. Instead of integrating CORTX tightly to each application, system or business process of interest, the CORTX BizTalk Adapter allows all interested applications systems and business processes to seamlessly use CORTX as a mass capacity on-prem object store "Enterprise Service."

- **2nd:** [Spark/Hadoop by Stephen Mott](#). In his words, “The end result of the Spark CORTX integration is that you are able to use the CORTX filesystem as a data source for Spark applications without having to muck around with credentials or external libraries when running against Spark.”
- **3rd:** [Apache Pulsar by Aditya Gangipamula](#). This integration allows Apache Pulsar to use Cortx as a storage backend to offload older messages on a topic.
- **4th:** [Pytorch/Torchvision by Guillaume Leclerc](#). One of four integrations utilizing Pytorch, this integration connects CORTX and Torchvision for machine learning with large data sets.

Best,

Rachel Novak (she/her)
CORTX Community Manager

[Schedule a meeting with me about CORTX Community](#)