

2021-03-05 Clowder Dev Meeting notes

Date

05 Mar 2021

Attendees

- [Luigi Marini](#)
- [Maxwell Burnette](#)
- [Sara Lambert](#)
- [Todd Nicholson](#) - absent
- [Bing Zhang](#)
- [Mark Fredricksen](#)- absent
- [Michael Bobak](#)
- [Rob Kooper](#)
- [Michael Johnson](#)
- [Elizabeth Yanello](#)
- [Sandeep Puthanveetil](#) [Satheesan](#) - absent
- [Shannon Bradley](#)

Discussion items:

Clowder All Paws Virtual Conference June 21 to June 24 - Discussion & Agenda - separate meeting to discuss just the All Paws?

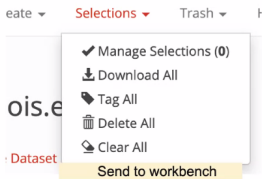
Clowder EOH Video Ready - full video will be shared at the next SD All Hands meeting

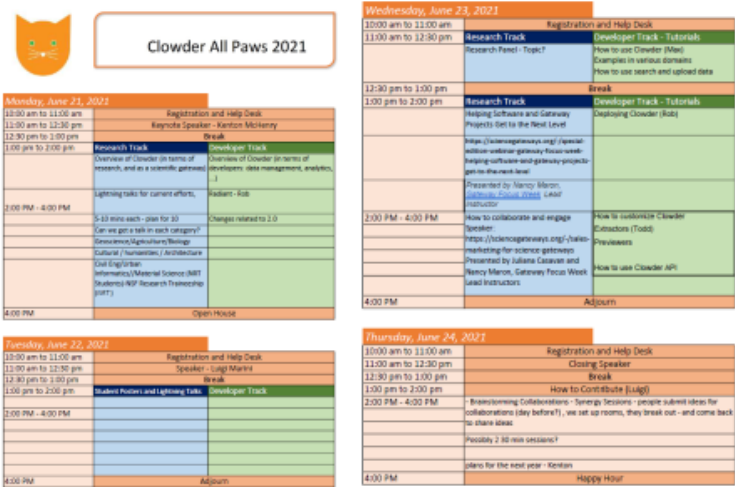
Max presenting at NCSA All Staff Meeting 3/25/21 2:00 pm

DataCite Update (DOI minting)

Clowder Release? released!

Who	Notes
Luigi	https://github.com/clowder-framework/clowder/releases/tag/v1.15.0 . See link for details Massive rewrite of the message service bus

Max	Working on Clowder/Workbench integration Prepped PR for final RDA ingest feature (now tested with Dataverse) Metadata sorting - sorting puts all lowercase first, then all uppercase... maybe keyword will fix? able to exclude fields from returned objects. we should decide on approach for telling Clowder to enable sorting for certain fields? Sorts lower case THEN upper case. It would be nice if it was case insensitive. How do we want to enable data for metadata sorting (string fields would react strangely)? Shared Clowder/Workbench Integration Concept. Clowder/Workbench Integration Concept Workbench instances can be registered with Clowder - Users configure user/pass per instance to profile - Clowder can ping those instances with user ID to get list of running containers Clowder Workbench Manager (?) - we kind of had this before, but we could also just send them to workbench? I think it does all this already - could queue up start/stop actions, terminal, etc. Create Dataset from Workbench Users can send files or datasets (or selections) to workbench - select which instance or go to a new instance form - creates action entries in a queue Heartbeat to monitor queue - Running on wb side in each instance? - use Clowder API to pull data or push to new datasets  Let's use the second half of these meetings to discuss specific topics that are causing issues or showcase new stuff.
Mike L.	Integration testing the components of the Event Sink service written by Max, Bing, Michael, and myself Attempting to create Grafana dashboards from the data, but it seems that I haven't understood how much InfluxDB would affect our data formats - given the open-ended requirements, it has been difficult to determine what is a "tag" (queryable fields as input) and what a "field" (graphable outputs) May need to revisit design/architecture to figure out what is missing here
Todd	absent
Bing	worked on the ingestion task to migrate uploading files statistic data to influxdb. plan to sit with Mike L to do an integration test of healthmonitor, flask service and backend consumer. Bing will discuss J-Clowder on 3/12/21.
Mark F	absent
Mike B.	Giving demos and looking at how data will sync with Clowder. There may be other benefits that could be used on other projects.
Rob	Released the helm chart, but need to pull it back to make changes, so the current helm chart is not available.
Michael J	Upgrading and migrating from SIMPL.
Sandeep	absent

Shannon	Did anyone follow up on this? Not yet Hi all, I'm an undergraduate student working on a project for the Cozad New Venture Challenge and was wondering if we could collaborate or if I could get some advice regarding my project. I'm interested in trying to create a machine learning algorithm that utilizes computer vision to analyze sidewalk images from Google street view. I would love to get into touch with someone on how to begin, if the idea is feasible, and to just connect and pick someone's brain. Thank you, Nathan Seiler VISTA All Paws Agenda Draft Need ideas for presentations https://docs.google.com/spreadsheets/d/1mCZlvr7VjAd5sq_bh0GQ43Q7nhToOn-RELwcKDF9Oq4/edit#gid=2052094695  Working on a PEARC Paper with Gateway Ambassadors which will mention Clowder as a gateway Working with Colter (iSchool) and George A. (Cyprus) with Gateway Ambassadors about the future of gateways Shannon shared her screen with the agenda for Clowder All Paws. Suggesting Kaiyu working with Jong Lee on SmartFarm be added to the agenda Suggested possibly leveraging https://www.katacoda.com/create to create interactive software tutorials
Lisa	Send out Save the Date for All Paws Virtual Annual Conference - get some catch phrase to entice people to attend.

Action Items/To Dos:

- ☐ Elizabeth Yanello Shannon Bradley Web Page up/Registration/agenda/Save the Date
- ☐ Bing Zhang Discuss JClowder on 3/12/21
- ☐ Maxwell Burnette & Michael Johnson discuss SIMPL on 3/19/21.