

902012 - Telepresence on MBARI Research Vessels

Week 52

1. Eric Martin
 - a. Paper is getting close, meeting weekly with the writing team.

Week 51

1. Eric Martin
 - a. Writing the CSCW paper
 - b. Tests on starlink postponed due to canceled carson cruise this week

Week 49

1. Eric Martin
 - a. Conducting Starlink tests with IS, promising early results.

Week 48

1. Kevin Gomes
 - a. A little background on existing data flows

Week 46

1. Eric Martin
 - a. Paper Writing for CSCW

Week 42

1. Eric Martin
 - a. Submitted board bullets to Cindy
 - b. Working on 2 papers, a short one for a DEI submission and the full paper for CSCW
 - c. Tore down the telepresence gear on the flyer and moved to B123

Week 39

1. Kevin Gomes
 - a. Created a new Slack workspace, but for a very odd reason, they rejected our non-profit application ... hmmm.

Week 35

1. Kevin Gomes
 - a. Supported the telepresence activities for the Katija cruise over the weekend.
 - b. Compiling feedback from users to plan next development activities.

Week 34

1. Kevin Gomes
 - a. Preparation work for telepresence cruise
 - b. Some feature addition and monitoring first production use of new telepresence web portal

Week 33

1. Kevin Gomes
 - a. Preparation for upcoming telepresence cruise
 - b. Feature implementation before the next cruise
2. Brian Schlining
 - a. Group meeting

Week 32

1. Eric Martin
 - a. Coordinating for the final telepresence cruise, for Kakani Katija.

Week 28

1. Kevin Gomes
 - a. Some debugging of problem with Slack logins for multi-channel guests
 - b. Double checking everything before Flyer departs

Week 27

1. Kevin Gomes
 - a. More bug fixes and feature improvements
 - b. Got information dump from Eric Martin to help support the telepresence on Jim Barry's cruise
2. Karen Salamy
 - a. Had a meeting with Kevin G. this AM regarding how telepresence is supported in the precruise web forms.

Week 26

1. Kevin Gomes
 - a. Fixed bug with user properties not propagating properly from slack
 - b. Set up telepresence server to that it is controlled via systemd on telepresence.mbari.org
 - c. Added lots more stuff to the data panel
 - d. Fixed a few bugs
 - e. Added location and depth overlay on map
 - f. Changed map so it stays centered over most recent location

Week 25

1. Kevin Gomes
 - a. Trying to get some bug fixes and features implemented before next WF cruise where it will be tested for the first time (maybe).
 - b. Preparing some slide for project update on Monday

Week 24

1. Kevin Gomes
 - a. Bug fixes and feature implementation to prep for test during WF cruise (which was cancelled)
2. Eric Martin
 - a. Looking into project update

Week 21

1. Eric Martin

- a. Reviewing report from Leila, great results, and we're getting ready to release the report more broadly.
- b. Planning a project update to discuss these results with the broader community at MBARI

Week 19

1. Kevin Gomes
 - a. More changes to the deployed web application

Week 17

1. Kevin Gomes
 - a. More work on the telepresence web portal. Still ironing out the integrations with Zoom and Slack and authentication. Real head-banging stuff.
2. Eric Martin
 - a. Meeting last week to review Leila Takayama's first workpackage. She has really engaged people and pulled out some very interesting insights.
 - b. Moving forward with surveys.

Week 16

1. Kevin Gomes
 - a. Deployed application to production and had my group help me troubleshoot various issues that I could not replicate in development.

Week 15

1. Kevin Gomes
 - a. Working with IS on proxy pass/SSL configuration on telepresence server
 - b. Deployed skeleton to test proxy pass configuration
 - c. Authentication through Slack working
2. Eric Martin
 - a. Meeting last thursday

Week 14

1. Eric Martin
 - a. Microservices to mirror screengrabs from vessels to telepresence.mbari.org

Week 13

1. Eric Martin
 - a. Screenshot upload to DMZ running on VM.
 - b. Interview with Leila last week.
 - c. Presented a new talk focused on the common threads of telepresence and VR to prospective group of Western Flyer buyers:  Beyond Bunkspace

Week 11

1. Kevin Gomes
 - a. More development on the web application
 - b. Refactoring into ES6 modules and code clean up as things were starting to get messy
2. Eric Martin
 - a. Updates on PCs caused a soft brick that forced a BIOS rollback.
 - b. Meeting last thursday.

- c. Testing a new feature for users that informs them of current ROV position and geographically nearby annotations: <http://telemaster-u.shore.mbari.org:8000>

Week 9

1. Brian Schlining
 - a. Pointed Eric Martin at VARS endpoint for finding annotations within geospatial bounds.

Week 8

1. Eric Martin
 - a.

Week 7

1. Kevin Gomes
 - a. Not much progress, but working on Docker containerization so I can automate deployment to get more developers working on it.

Week 6

1. Kevin Gomes
 - a. Configured everything to build and deploy using docker so I can deploy on telepresence
 - b. Trying to get WebSockets to work through SSL proxies so I can push data to the browser that comes from the boats.

Week 5

1. Kevin Barnard
 - a. Reviewed web UI mockup with Kevin G., looking into available Vue libraries & frameworks
2. Kevin Gomes
 - a. Looking at CI/CD to see if this can help manage the deployment of the many moving parts for this application.
 - b. Slack did fix the bug that was affecting development environments with non-standard ports (which is almost all of them!). I had a workaround in place, but nice to know it should be fixed.
3. Eric Martin
 - a. Did concept design and brief review with group last week for rack units.

Week 4

1. Kevin Gomes
 - a. Bug in Slack Authentication API confirmed by Slack but no timeline on fix. Only affects development environment and found workaround, basic skeleton of authentication working
2. Eric Martin
 - a. Hoku labs contracts complete

Week 3

1. Kevin Barnard
 - a. Met with the team to onboard, will assume some Vue development tasks from Kevin G.
 - b. Reviewed Google drive materials
2. Kevin Gomes
 - a. Still working on using Slack for authentication. Found a bug in Slack's OAuth workflow and they are 'working on it'. I might have a workaround, but it's a pain.

3. Eric Martin
 - a. Meeting last thursday
 - b. Finalizing SOW and Collab agreement with Leila Takayama

Week 2

1. Kevin Gomes
 - a. In development environment, but got data flowing to a Postgres database from both ships using a push from the boat to RabbitMQ and then consuming the data and storing in Postgres DB. This will be for the data graphs in the application.
 - b. Working on OIDC connection with the telepresence app so users can log in to the App using Slack (and then we can interact with Slack APIs on behalf of the user). This security stuff is always very tedious and painstaking!
2. Eric Martin
 - a. Start of year meetings
 - b. L. Takayama Collaboration Paperwork

Week 1

1. Kevin Gomes
 - a. Researching VueJS/Quasar/Vuetify/Slack logins for app develop