

Software Development Cluster Meetings

Meeting Recordings

Some meetings are recorded, and are available to CDI Members. Please log in to view the recording in the table below. If you would like to become a member of CDI, submit your request at <https://listserv.usgs.gov/mailman/listinfo/cdi-all>.

Date	Topic and Speaker
2021 March 25	AWS ECR (Amazon Elastic Container Registry) https://aws.amazon.com/ecr/ Last meeting also asked "anyone using gitlab package registry ?" https://docs.gitlab.com/ee/user/packages/ Please join us and share your experiences and questions
2021 February 25	What artifact management solutions are USGS software developers using? Ex: Public NPM repos, GitHub releases, GitLab artifacts /packages/registries
2021 January 28	Cloud migration of existing scientific processing applications - Mike Hearne, Heather Schovanec, and Kirstie Haynie, USGS "So you want to build a decision support tool? Assessing successes, pitfalls, and lessons learned for tool design and development". - Nicole Herman-Mercer, Amanda Cravens, Amanda Stoltz, and Sophie Hou, USGS and Contractor to USGS
2020 October 22	Agile, Michelle Guy, USGS Agile and Usability, Sophie Hou, Contractor to USGS
2020 August 27	Synthetic data and build process for AI imagery and deep learning methods - Daniel Beckman, USGS
2020 June 25	Using Serverless and GitLab CI/CD to Continuously Deliver AWS Step Functions - Carl Schroedl, USGS
2020 May 28	Data Warehouse with Redshift (Configuration Management Committee example) - Cassandra Ladino, USGS ETL (Extract, Transform, Load) with Glue - Jeremy Newson, USGS
2020 April 23	FastAPI and You – Brandon Serna, USGS Flask vs. FastAPI – Jeremy Fee, USGS
2020 March 26	Getting Started on the Cloud: Example Workflow for Running USGS Slab2 Models - Kirstie Haynie, USGS
2020 February 28	Swagger and Micronaut - Jeremy Fee, USGS Water Quality Data Portal example - Jim Kreft, USGS https://swagger.io/ - "API Development for Everyone" https://micronaut.io/ - "A modern, JVM-based, full-stack framework for building modular, easily testable microservice and serverless applications."
2020 January 24	Software Policies You Should Know - Cassandra Ladino, USGS O365 Tips and Tricks
2019 October 24	Software Release and Inventories, Eric Martinez, USGS CDI Statements of Interest related to Software - Aaron Fox and Steve Fick, USGS
2019 September 26	Databases and Beyond!
2019 August 22	CDI FY20 Request For Proposals - funding awarded, up to \$50k
2019 July 25	Deeper dive into containers and docker, Water Mission Area and NGTOC, Carl Schroedl and Ivan Suftin, USGS
2019 June 27	CDI Workshop Report Out

2019 May 23	Docker Basics for Code Development
2019 April 25	Collaboration through the Software Dev Cluster, Desktop Installers and Script Signing, Cassandra Ladino
2019 March 28	Brainstorming and planning for the 2019 CDI Annual Workshop
2019 February 28	Cloud and Big Data in the Cloud, Cassandra Ladino and Group Discussion
2018 October 25	Migrating projects from other git repositories to code.usgs.gov, Eric Martinez and Group Discussion
2018 August 30	Git, a deeper dive, George Rolston
2018 July 26	Git Primer, including Git Fork and Feature Branch Workflow, Carl Schroedl
2018 May 31	Software Licensing Aspects, Leon Foks
2018 April 26	Improving the development experience on Windows using HyperV and the Windows Subsystem for Linux, Scott Lewein
2018 March 29	USGS EDGE (Equipment Development Grade Evaluation) : What is it, how does it apply to you, and why you may be interested in participating. Chris Johnson
2018 February 22	508 Compliance for websites/web applications: Challenges and Approaches, Rob Miller
2018 January 28	Summary of USGS HPC/HTC Workshop, USGS EDGE (Equipment and Development Grade Evaluation) program, Michelle Guy
2017 November 30	Discussion of goals and future topics for the Software Development Cluster
2017 November 02	Gitlab discussion, Eric Martinez
2017 September 28	Inaugural meeting for the Software Development Cluster