Facilitating Cloud Computing Panel

2021 VRP Workshop
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In this panel we explore the opportunities, challenges, and obstacles to facilitating cloud computing for research from a variety of perspectives (facilitation, administration, and researchers).

The panel was formed from the participants of the first cohort of the Cloud Learning and Skills Sessions (CLASS) program offered by Internet2 (https://internet2.edu/class). It emerged as a result of all the discussions around facilitating research in the cloud during the 4 month program.

Supporting research engagement activities at Internet2. Advancing the awareness, adoption, and maturity of tools and techniques for scientific workflows within research lifecycles.

Building a successful RCD team and infrastructure from the ground up. Former PI of the Great Plains CyberTeam. Contributing to CaRCC, Campus Champions, and other RCD community efforts.

Dr. Timothy Middelkoop is a Senior Research Engagement Engineer at Internet2 and is a part of the Internet2 CLASS program.
Enabling the utilization of cloud capabilities by generating training content relevant to the biomedical community and creating events such as codeathons to bring together diverse communities toward solving relevant biomedical problems.

I lower the barriers of entry for data science by building programs that offer equitable access. I utilize cloud capabilities in codeathons for both collaboration and acceleration of novel ideas. I also use cloud to build reproducible data science training.

Dr. Allissa Dillman serves as the workforce development and community engagement lead for the Office of Data Science Strategy (ODSS) at National Institutes of Health (NIH).

I am the workforce development and community engagement lead for the office of data science strategy at NIH.
Your role with RCD

Research facilitator, supporting computing on-prem, cloud and national resources. Driving cloud strategy for research services

RCD accomplishment or passion

Accelerating discovery by providing effective computing/storage resources and efficient workflows for researchers and building required skills within the community

Background

Dr. Alper Kinaci is the Lead Computational Research Engineer for Research Computing Services with IT at Northwestern University. Background in Materials Science & research.

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Lead Computational Research Engineer
Campus Champion
Research Software Engineer supporting E-CAS and CLASS at Internet2.

Building foundations for Public cloud adoption in a central IT team and building expertise on Amazon Web Services, Microsoft Azure and Google Cloud Platform.

Ananya Ravipati is the Research Cloud Engineer at Internet2 where she works on facilitating cloud platforms use for research related to the NSF E-CAS project and plays a key role in designing curriculum for Cloud Learning and Skills Sessions (CLASS) offered by Internet2.
Working with researchers to assess needs and fit with our public cloud providers (AWS, Azure, GCP). Providing consultation and wayfinding for campus resources.

As a former software developer, I enjoy building proof of concepts & helping researchers meet their goals. I enjoy being in higher ed to “use my power for good”.

Chris Lalande is the Research Cloud Technician in the Research Cyberinfrastructure group at UW-Madison. Member of Public Cloud team in Central IT.
I help humanists to identify their research computing needs, and to come up with low-cost solutions. This often involves setting up lightweight, custom web apps (though these are getting bigger!).

Helping clients to see how they can transform their project with planning on the research computing side of the equation.

Dr. John Mulligan works in the Center for Research Computing, primarily with humanists and social scientists.
University of Washington: Research Computing Director, eScience Institute and Central IT. Cloud advocacy/suitability/training for Researchers’ computing infrastructure needs

Accelerate research / remove obstacles. Articulate necessary time investment. Democratize compute power.

Dr. Rob Fatland has a background in geophysical data science. He also contributes to STEM outreach programs in K12.

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Consult with research teams
Create educational content
Data science advocacy