Engagement Update

US Academic Research Fleet

US ARF

The United States Academic Research Fleet is a NSF large facility organized through the University National Oceanographic Laboratory System (UNOLS) which was formed in 1972 and currently consists of eighteen oceanographic research vessels that vary in size and capability from large Global Class vessels to Coastal Class vessels. The vessels are owned by multiple different agencies and institutions and are operated by fourteen different institutions.

Our Engagement Team

John Haverlack

John is the IT manager for the University of Alaska Fairbanks college of Fisheries and Ocean Sciences and the NSF owned R/V Sikuliaq. John has a B.S. in Physics from Virginia Tech and nearly 30 years experience in computer science and UNIX administration. He is interested in various cybersecurity topics, distributed web technologies and adaptable cyberinfrastructure.

Josh Drake

Josh is a senior security analyst working at IU's Center for Applied Cybersecurity Research. Josh works on several NSF funded projects, including CI CoE Pilot, ResearchSOC, and Open Science Grid. His fifteen year career in networking, system administration and security spans several industries in the private and public sector, including healthcare, natural gas, and state and local government.

1 Engagement Goals

Examine the current state of IdM and find a path forward by building a prototype federated IdM service and identifying potential pitfalls and recommending solutions as we go.

2 Our Starting Point

We sent a survey to member institutions to catalog IdM practices as currently implemented among the fleet.

3 Obstacles and Solutions

The fleet is constantly in motion and can't rely on connectivity 100% of the time. A large number of temporary staff and visitors transition in and out of the fleet on a regular basis.

4 Next Steps

We have been building a prototype IdM solution that can function in a limited connectivity environment, using CILogon, COManage and OpenLDAP

Discussion

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🌐 http://scici.org/

🌐 https://cicoe-pilot.org/working_groups/

🌐 https://cicoe-pilot.org/materials/presentations