Distributed Web Security for Science Gateways
Pls: Jim Basney (NCSA), Rion Dooley (TACC), Marlon Pierce (Indiana)
www.sciencegatewaysecurity.org

Goal: Support use of OAuth by science gateways for distributed authentication, delegation, and authorization

Science Gateways: Tiered Access

OAuth Example

Science Gateway with Passwords

Science Gateway with OAuth

Project Partnerships

Science Gateways
• UltraScan
• iPlant
• GridChem/ParamChem

CyberInfrastructure Providers
• XSEDE
• Globus Online

Software Toolkits
• Apache Airavata
• Apache Rave

OAuth for MyProxy
• Provides OAuth interface to widely used MyProxy certificate service
• Avoids sending MyProxy passwords to science gateways
• Now in production use by XSEDE and Globus Online
www.sciencegatewaysecurity.org/oauth-for-myproxy

Federated Authentication via InCommon
www.cilogon.org/portal-delegation

Interested in meeting the PIs? Attach post-it note below!