

Current Team Priorities

Active activities/projects

The following are known and planned activities/projects. We have committed resources to these projects are either 1) defining requirements/tasks in the backlog or 2) actively working on requirements/task in sprint. In other words, there should be tasks in JIRA for these projects now to meet the deadline.

Activity	Timeframe	Status	Deliverables
Einstein Toolkit Tutorial Pilot	9/20/17 -	Ongoing	JIRA Tasks
NSF CyberCorps SFS Proposal	11/1 - 12/5/2017	Submitted	Proposal
ESIP NCAR Pilot	November - July	Planning	TBD
Globus World	Abstract due 2/15 Conference 4/25-26	Planning	
PEARC 2018 Panel	Abstract due 12/8/2017 2/19/18 Panel due Conference 7/22-27	Accepted, full paper due	Panel
HackIllinois	2/23 - 2/25	Planning/committed	Support, WB Instance
DataDrivenAg	2/26 - 27	Planning/committed	
Science Platforms Workshop	2/26 - 28	Attending	None
PEARC 2018 Paper	Abstract due 12/8/2017, paper 3/19/18 Panel due Conference 7/22-27	Accepted, full proposal due	Paper
RDAP Summit	3/21 - 3/23	Scheduled	Presentation
NSF SI2 Proposal	Due 4/18	Planning	
BD Hubs Lightning Talk	5/18 info due Presentation 6/1 3pm EST		
Earthcube All Hands	6/6-8	Tentative	
MBDH/NDS Workshop	7/11 - 12	Planning	
ESIP Summer 2018	7/17-20 (San Diego)	Tentative	
SGCI	9/25-27 (Austin)	Tentative	
SuperComputing 2018	11/11-16 (Dallas)	Tentative	
CODATA/RDA Data Science School		Tentative	
iSchool/ODL			

Anticipated activities/projects

The following are anticipated projects and priorities. No resources are actively committed to working on either requirements or tasks. In other words, there are no tasks in JIRA.

Activity	Timeframe	Status	Deliverables
PEARC 2018	7/22 - 7/28/2018		
SI2	9/19		Undefined
DataDNS	?	Discussing	Undefined

Completed activities/projects

Activity	Timeframe	Status	Deliverables
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CyberTraining proposal	Due 2/14	Abandoned	
SGCI Webinar	12/13/2017	Done	1 hr webinar
RDA Adoption proposal	Due 11/30/2017	Declined	
SC17 Demo	11/12 - 11/17/2017	Done	Demo
NCSA Industry Conference	10/11 - 10/12/2017	Done	Demo
BBD 2017	10/4/2017	Done	Demo
RDA 10th Plenary	9/19 - 9/21/2017	Done	None
National Bridge Inventory	8/31 - 10/4/2017	Done	Epic
Container workshop	8/14 - 8/16/2017	Done	Draft report published
BioCADDIE pilot	5/1 - 7/30/2017	Done	JIRA Tasks
iSchool pilot support	4/1 ~ 6/15/2017	Done (for now)	JIRA Tasks
PI4 Bootcamp	5/30-6/9/17	Done	
Earth Cube All-Hands meeting	6/8/2017	Done	JIRA Tasks
Einstein Toolkit School	7/31 - 8/2/2017	Done	
ThinkChicago	8/2 - 8/4/2017	Done	JIRA Tasks
Container workshop	8/14 - 8/16/2017	Draft report due 8/31	
ESIP Meeting	7/25 - 7/28	Christine Kirkpatrick?	Undefined
NCSA Industry Partners	June 20-21	Discussing	Undefined
RDA Adoption proposal	Due 11/30/2017	Declined	

Emerging use cases:

We're seeing the following primary use cases for Workbench:

- Training/workshop platform (IASSIST, Phenome2017, PI4, Einstein Toolkit School, ThinkChicago)
 - Open issues: filesystem performance and reliability (ETK); how to handle actual data processing (ThinkChicago, PI4); simplifying installation and scaling
- Interactive analysis/development environments for remote data (TERRA-REF, NIB)
 - Open issues: integration with HPC environments (how to handle real data processing); hosting data (NIB mongo/raw); hosting "apps" developed around the data; integrating with core infrastructure (SSO, permissions, etc); sharing data
- Platform for sharing/publishing/(preserving) tools (workbench beta)

Planned features

Based on this, we've prioritized the following features:

- Workbench to HPC
 - Package and launch jobs on HPC systems from within workbench
 - Exploring integration with Agave
- Workbench to Cloud
 - Export application configuration to run on Docker-enabled cloud infrastructure (e.g., docker compose)
- Stability/scalability
 - Failover/backups
 - Improved deployment process
 - Commercial cloud support/storage generalization
 - Improved scaling/minimal cluster configuration – migration path from single node to multinode?
- Authentication
 - Modular authentication for integration with different systems
 - OIDC/Oauth support
 - Possible integration with CILogon or Globus Auth
- Project-specific catalogs and views
- Security analysis for Docker containers