

Infrastructure Meeting Notes 2017-11-09

Infrastructure meetings take place every other Thurs. at 9:00 Pacific on the BlueJeans infrastructure-meeting channel: <https://bluejeans.com/383721668>

Date

30 Mar 2017


Attendees




Paul Domagala
Gregory Dubois-Felsmann
Igor Gaponenko
Fabio Hernandez
Brian Van Klaveren
Simon Krughoff
Kian-Tat Lim
Fritz Mueller
John Swinbank

Goals

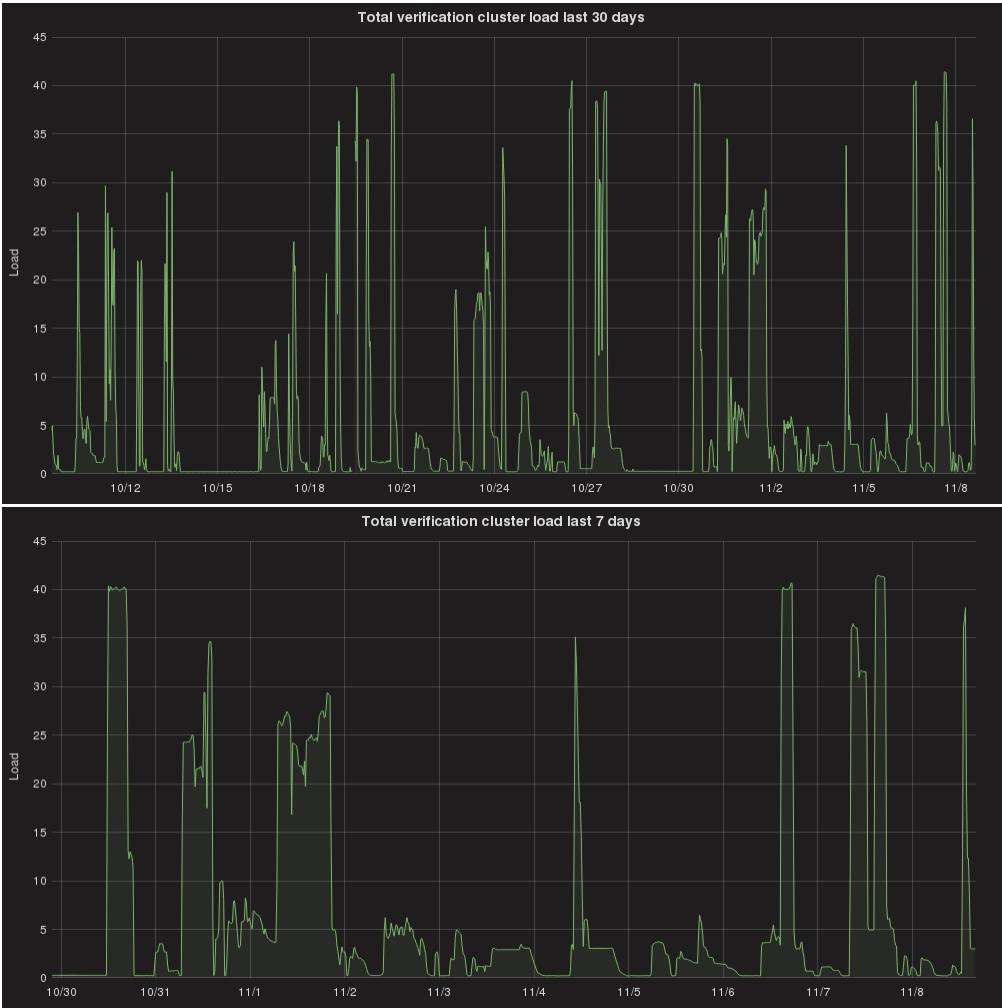
- Alignment of NCSA-provided services with program needs
- Ensure effective use of the current NCSA infrastructure
- Refinement and continuous improvement of services, resources and processes
- Plan for near- and medium-term activities

• Discussion items

Item	Who	Notes
Review of last meeting notes	Unknown User (pdomagala)	<ul style="list-style-type: none">• Any updates
Extended PDAC maintenance	Unknown User (pdomagala)	<ul style="list-style-type: none">• Next Thurs. 2017-11-16 is a regularly scheduled maintenance window. We'd like to extend this from 2 to 45 hrs, mostly effecting PDAC. That would be 07:00-11:00 ProjTime. Any objections?
Docker on lsst-dev	Unknown User (pdomagala)	<ul style="list-style-type: none">• DM developers need a build/test environment that supports docker containers, ref.<div> IHS-580 - Jira project doesn't exist or you don't have permission to view it.</div>
Batch processing queues	Unknown User (pdomagala)	<ul style="list-style-type: none">• As part of NCSA's production framework development activities, we'll begin implementation of multiple SLURM queues on the verification cluster<ul style="list-style-type: none">◦ Currently using 2 nodes for experimentation. This Fri., we anticipate increasing queue resources to 14 nodes, at least through the end of Nov. (there are 48 nodes, each with 48 CPUs)◦ Initially, we'll implement & test the following queue structure:<ul style="list-style-type: none">▪ Development queue: 34 nodes▪ Production queue: 14 nodes reserved with some ability to utilize (and release) idle development nodes

dev environment Requests for change		<ul style="list-style-type: none"> Configure SLURM to accept jobs to use only partial nodes <div>  IHS-576 - Jira project doesn't exist or you don't have permission to view it. </div> <ul style="list-style-type: none"> DM developers need a build/test environment that supports docker containers <div>  IHS-580 - Jira project doesn't exist or you don't have permission to view it. </div> <ul style="list-style-type: none"> Increase limits and swap space for qserv pdac <div>  IHS-488 - Jira project doesn't exist or you don't have permission to view it. </div>
PDAC Status	Gregory Dubois-Felsmann	
Topics for next meeting		

Current Verification Cluster Utilization



Action items

Please enter action items in the form

Responsible Person, Due Date, Description

☐