

eduPERT TNC18 - During the workshop

Workshop agenda

Time	Topic	Slides	Hands-On Commands	Presenter
09:00 - 09:30	perfSONAR introduction (why, where, how?)	perfSONAR Intro and Motivation.pptx		Antoine
09:30 - 10:00	pS toolkit basics and typical/exemplary use cases, participants accessing the lab VM, group participants in pairs	pS toolkit Basics.pptx		Antoine
10:00 - 10:30	pScheduler basics and bwctl replacement, command examples demo and participants to run on their VM	pSc basics.pptx		Ivan / Matt
break				
11:00 - 12:00	perfSONAR and Nagios integration: getting the best of both worlds by integrating the two systems through their API.	Nagios.pptx		Ivan
lunch				
13:00 - 13:30	pS, security and Science DMZs	sciencedmzsec-EDUPert-20180612.pptx		Nick
13:30 - 14:00	perfSONAR 4.1: what's new and roadmap ahead	perfSONAR 4.1 and Future.pptx		Matt
14:00 - 15:00	From meshconfig-agent to pSconfig: introduction to pSconfig and how to migrate 4.0 pS installations to 4.1 and take advantage of the new tools.	pSConfig.pptx		Antoine
break				
15:30 - 16:30	pScheduler advanced usage, limits, JSON manipulation, extending pScheduler (with tests, tools and archivers).	pSc advanced-limits.pptx		Matt / Ivan
16:30 - 17:00	Wrap-Up, discussion, feedback, etc.			Audience

Hands-On Commands

Accessing the workshop machines

ssh access

```
ssh edupert@IP.OF.YOUR.MACHINE
```

pScheduler basics

pscheduler commands

```
pscheduler troubleshoot
pscheduler ping
pscheduler monitor
pscheduler task latency --dest mp05
pscheduler task throughput --dest mp05
pscheduler task rtt --dest mp05 --length 512
```

Nagios integration:

pSconfig

pScheduler advanced

pscheduler commands

```
pscheduler monitor
```

```
pscheduler plot-schedule PT3H > /var/www/perfsonar/workshop/schedule.png
```