

Disruptive Storage Workshop 3 Schedule



Thursday, July 13th 2017

Session I. Introduction, Landscape, Roadmaps, Trends (W5030)

- 9:00 **Welcome**
Logistics, Administrative details & Introductions (15 min)
Fernando Pineda (BSPH)
- 9:15 **Disruptive storage for HPC in the life sciences**
Fernando Pineda (BSPH)
- 9:50 **Storage landscape and trends in the Life Sciences**
Markus Dittrich, Aaron Gardner (BioTeam)
- 11:00 **Break** (10 min)
- 11:10 **Laptop setup/configuration for lab sessions**
Mark Miller (BSPH)
- 11:30 **Lunch Break**
E6519
Boxed lunches will be provided for registered participants

Session II. ZFS-on-linux Bootcamp (W5030)

- 12:45 **ZFS: Theory & architecture**
Aaron Gardner (BioTeam)
- 1:45 **ZFS lab: Installation and Administration**
Mark Miller (BSPH)
- 3:30 **Break** (20 min)
- 3:50 **Storage Hardware Primer #1**
Don Tanner (Silicon Mechanics)
- 4:30 **Architectures #1 : DCS01 –DCS03 Dirt Cheap ZFS NAS**
Fernando Pineda, Mark Miller (BSPH)
- 5:00 **Q&A/Discussion**
- 5:15 **End**
- 5:30 **Happy hour- The Life of Reilly Pub** (Till 7:30pm)

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Session III. Lustre-over-ZFS-on-Linux Bootcamp (W5030)

- 9:00 **Pre-lab Setup**
- 9:15 **Lustre/Lustre-over-ZFS Theory & architecture**
Rick Wagner (Globus)
- 10:00 **Lustre-over-ZFS-on-Linux lab: Installation & administration**
Mark Miller (BSPH) (Includes integrated 15 minute break)
- 12:15 **Lunch Break** (till 1:00 pm)
E6519
Boxed lunches will be provided for registered participants

Session IV Architectures & Globus (W5030)

- 1:15 Storage **Hardware Primer #2: Lustre components**
Don Tanner (Silicon Mechanics)
- 1:45 **Architectures #2: DCL01 Dirt Cheap Lustre-over-ZFS**
Fernando Pineda, Mark Miller (BSPH)
- 2:15 **Architectures #3: BioTeam Reference Architectures**
Markus Dittrich, Aaron Gardner (BioTeam)
- 3:00 **Break** (15 min)
- 3:15 **Globus Theory & Architecture**
Rick Wagner (Globus)
- 3:45 **Globus lab: Installation & Administration**
Rick Wagner (Globus)
- 5:00 **End**