

OIN LBL Workshop Agenda (v2 – Feb 24th 2014)

Presenters: Eli Dart (ESnet), Jason Zurawski(ESnet), Lauren Rotman(ESnet), Brian Tierney (ESnet), Inder Monga (ESnet), Eric Pouyoul (ESnet), Raj Kettimuthu (Globus)

- **Day 1 (7 hrs total) = Science DMZ**
 - Morning 1 (8am – 10am = 2hrs)
 - .5 Hour = Intro for workshop
 - **Presented by Jon-Paul and Inder**
 - 1.5 Hour = Science DMZ Introduction/Architecture/Security
 - **Presented by Eli & Brian**
 - About ESnet, Motivation for design pattern, Architecture discussion, equipment choice, and Security Discussion
 - Break (30 min)
 - Morning 2 (10:30am -12pm = 1.5 hrs)
 - 1.5 Hour = perfSONAR & Network Monitoring
 - **Presented by Jason & Brian**
 - pS Overview. Tool use and setup. Hands on component
 - Lunch (12pm – 1pm)
 - Afternoon 1 (1pm – 3pm = 2hrs)
 - .5 Hour = Science Engagement Discussion
 - **Presented by Lauren**
 - Overview of ESnet engagement, walk through examples.
 - 1 Hour = DTN Design/Data Transfer Tools
 - **Presented by Eric**
 - Overview of hardware, use of software.
 - .5 Hour = Globus Presentation
 - **Presented by Raj**
 - Presentation on Globus as a data transfer tool
 - Break (30 min)
 - Afternoon 2 (3:30pm – 5pm = 1.5 hrs)
 - .5 Hour = Globus Hands On
 - **Presented by Raj**
 - Hands on component (with home work assignment)
 - Server component install
 - Use of client application
 - .5 Hour = Discussion Topics, Questions, Spill
 - .5 Hour = ESnet SDN Topics
 - **Presented by Inder**

Presenters: Jon-Paul Herron (GRNOC), Tom Johnson (GRNOC), Ed Balas (GRNOC), Brent Sweeny (GRNOC), Matt Zekauskas (Internet2)

- **Day 2 (7 hrs) SDN & AL2S:**
 - Morning 1 (8am – 10am = 2hrs)
 - .5 Hour = Invited talk on 100G networking
 - **Presented by Jim Pepin (Clemson University)**
 - 45 Minutes = SDN Building Blocks, Use Cases and Models
 - **Presented by IU Staff**
 - 45 Minutes = OpenFlow Tutorial
 - **Presented by IU Staff**
 - Break (30 min)
 - Morning 2 (10:30am -12pm = 1.5 hrs)
 - 45 minutes = Considerations for SDN Hardware & Software
 - **Presented by IU Staff**
 - Hardware Choice Overview (e.g. how to buy the right switch or controller server), controller software
 - 45 minutes = OpenFlow Hands-on Exercise
 - **Presented by IU Staff**
 - Lunch (12pm – 1pm)
 - Afternoon 1 (1pm – 3pm = 2hrs)
 - 1 Hour = SDN Troubleshooting
 - **Presented by IU Staff**
 - 1 Hour = SDN Troubleshooting Exercise
 - **Presented by IU Staff**
 - Break (30 min)
 - Afternoon 2 (3:30pm – 5pm = 1.5 hrs)
 - .5 Hour = How to Connect to AL2S
 - **Presented by Internet2 & IU Staff**
 - .5 Hour = SDN Testing/Validation
 - **Presented by IU Staff**
 - .5 Hour = Discussion Topics, Questions, Closing
 - **Presented by Jon-Paul, IU Staff, and local host.**