

## OIN LA Workshop Agenda (v7 – Jan 21, 2014)

Presenters: Eli Dart (ESnet), Jason Zurawski(ESnet), Lauren Rotman(ESnet), Raj Kettimuthu (ANL)

- **Day 1 (7 hrs total) = Science DMZ + SDN Prep:**
  - Breakfast starts @ 8am
  - Morning 1 (8:30am – 10:30am = 2hrs)
    - .5 Hour = Intro for workshop
      - **Presented by Jon-Paul and local host**
    - 1.5 Hour = Science DMZ Introduction/Architecture/Security
      - **Presented by Eli and Jason**
      - About ESnet, Motivation for design pattern, Architecture discussion (N.B. New topic on Switches/Routers?) and Security Discussion (N.B. move from pS Deck?)
  - Break (30 min)
  - Morning 2 (11:00am -12:30pm = 1.5 hrs)
    - 1.5 Hour = perfSONAR & Network Monitoring
      - **Presented by Jason**
      - pS Overview. Tool use and setup. Hands on component 1 (configure VM – pass out VM names and accounts in email)
  - Lunch (12:30pm – 1:30pm)
  - Afternoon 1 (1:30pm – 3:30pm = 2hrs)
    - .5 Hour = Science Engagement Discussion
      - **Presented by Lauren**
      - Overview of ESnet engagement, walk through examples.
    - 45 Min = DTN Design/Data Transfer Tools
      - **Presented by Eli**
      - Overview of hardware, use of software.
    - 45 Min = Globus Presentation
      - **Presented by Raj Kettimuthu**
      - Presentation on Globus as a data transfer tool
  - Break (30 min)
  - Afternoon 2 (4pm – 5:30pm = 1.5 hrs)
    - 45 Min = Globus Hands On
      - **Presented by Raj Kettimuthu**
      - Hands on component (with home work assignment)
        - Server component install
        - Use of client application
    - 15 Min = Discussion Topics, Questions, Spill
    - .5 Hour = SDN Prep for Next Day
      - **Presented by IU Staff**

*Presenters: Jon-Paul Herron (GRNOC), Luke Fowler (GRNOC), Tom Johnson (GRNOC), Ed Balas (GRNOC), Steve Wallace (INCNTR), Matt Zekauskas (Internet2)*

- **Day 2 (7 hrs) SDN & AL2S:**
  - Breakfast starts @ 8am
  - Morning 1 (8:30am – 10:30am = 2hrs)
    - 45 Minutes = SDN Building Blocks, Use Cases and Models
      - **Presented by IU Staff**
    - 1 Hour = OpenFlow Tutorial
      - **Presented by IU Staff**
    - 15 minutes = Considerations for SDN Hardware & Software
      - **Presented by IU Staff**
      - From USC/UCLA: Hardware Choice Overview (e.g. how to buy the right switch or controller server), controller software
  - Break (30 min)
  - Morning 2 (11:00am -12:30pm = 1.5 hrs)
    - .5 Hours = Considerations for SDN Hardware & Software (cont)
      - **Presented by IU Staff**
    - 1 Hour = OpenFlow Hands-on Exercise
      - **Presented by IU Staff**
  - Lunch (12:30pm – 1:30pm)
  - Afternoon 1 (1:30pm – 3:30pm = 2hrs)
    - 1 Hour = SDN Troubleshooting
      - **Presented by IU Staff**
    - 1 Hour = SDN Troubleshooting Exercise
      - **Presented by IU Staff**
  - Break (30 min)
  - Afternoon 2 (4:00pm – 5:30pm = 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.**