OIN 14 Workshop Agenda (v4 – February 23rd 2016)

Presenters: Jason Zurawski (ESnet), Kate Mace (ESnet), Vas Vasiliadis (Globus)

- Bolger Conference Center, Millersville University
- Day 1 (Tues March 1st – 6.5 hrs total) = Science DMZ
  - Breakfast (8am – 8:30am = .5hr)
  - Morning 1 (8:30am – 10:00am = 1 hrs 30min)
    - 15 Min = Introductions & Motivation
      - Presented by KINBER CTO, F&M CTO, IU, ESnet, Internet2
    - 30 Min = Workshop Introduction & Science Engagement
      - Presented by ESnet
    - 45 Min = Science DMZ Architecture
      - Presented by ESnet
      - Motivation for design pattern, Architecture discussion, equipment choice
  - Break (30 min)
  - Morning 2 (10:30am -12:00pm = 1 hrs 30min)
    - 45 Min = Science DMZ Security, Best Practices
      - Presented by ESnet
      - Security Discussion, techniques, policy, Bro
    - 45 Min = DTN Design/Data Transfer Tools
      - Presented by ESnet
      - Overview of hardware, use of software (e.g. Aspera)
  - Lunch (12:00pm – 1:00pm)
  - Afternoon 1 (1:00pm – 3:00pm = 2hr)
    - 75 Min = Globus Presentation & Hands on
      - Presented by Globus
      - Presentation on Globus as a data transfer tool
      - Hands on component (with home work assignment)
        - Server component install + client application
      - 45 Min = perfSONAR & Network Monitoring
        - Presented by ESnet
  - Break (30 min)
  - Afternoon 2 (3:30pm – 5:00pm = 1 hr 30 min)
    - 45 Min = perfSONAR Hands On
      - Presented by ESnet
      - Intermediate pS Use
    - 30 Min = perfSONAR @ KINBER
      - Presented by KINBER
    - 15 Min = Discussion Topics, Questions, Spill
Presenters: Jon-Paul Herron, Ed Balas, Brent Sweeny (GRNOC), Rick McMullen (Internet2)

- **Bolger Conference Center, Millersville University**
- **Day 2 (Weds March 2nd - 7 hrs total = SDN & AL2S**
  - Breakfast (8am – 8:30am = .5hr)
  - Morning 1 (8:30am – 10:00am = 1.5hrs)
    - 60 Minutes = SDN Building Blocks, & Current State
      - Introduction, SciPass
      - **Presented by GRNOC**
    - 30 Minutes = OpenFlow Tutorial
      - **Presented by GRNOC**
  - Break (30 min)
  - Morning 2 (10:30am -12:00pm = 1.5 hrs)
    - 30 Minutes = OpenFlow Tutorial
    - 1 Hour = OpenFlow Hands-on Exercise
      - **Presented by GRNOC**
  - Lunch (12:00pm – 1:00pm)
  - Afternoon 1 (1:00pm – 3pm = 2 hrs)
    - 60 Min = SDN Troubleshooting Exercise 1 & 2
      - **Presented by GRNOC**
    - 60 Min = SDN Implementation Considerations (Hardware, Controller Software, Testing)
      - **Presented by GRNOC**
  - Break (30 min)
  - Afternoon 2 (3:30pm – 5:00pm = 1.5hrs)
    - 45 Min = SDN Troubleshooting (cont.)
      - **Presented by GRNOC**
    - 45 Min = How to Connect to AL2S
      - **Internet2**