

OIN Pittsburgh Workshop Agenda (v10 – March 16th 2015)

Presenters: Jason Zurawski, Eli Dart (ESnet), Vas Vasiliadis (Globus)

- **Day 1 (Weds March 18th - 7 hrs total) = Science DMZ**
 - **Breakfast (8am – 8:30am = .5hr)**
 - **Morning 1 (8:30am – 10:00am = 1.5hrs)**
 - 15 Min = Introductions & Motivation
 - **Presented by IU, ESnet, Internet2, & Local Hosts**
 - 75 Min = Science DMZ Introduction and Architecture
 - **Presented by Eli**
 - About ESnet, Motivation for design pattern, Architecture discussion, equipment choice
 - **Break (30 min)**
 - **Morning 2 (10:30am -12:30pm = 2 hrs)**
 - 60 Min = DTN Design/Data Transfer Tools
 - **Presented by Jason**
 - Overview of hardware, use of software.
 - 30 Min = Science DMZ Security
 - **Presented by Eli**
 - Security Discussion, techniques, policy
 - 30 Min = Globus Presentation & Hands on
 - **Presented by Vas/ESnet**
 - Presentation on Globus as a data transfer tool
 - Hands on component (with home work assignment)
 - Server component install + client application
 - **Lunch (12:30pm – 1:30pm)**
 - **Afternoon 1 (1:30pm – 3pm = 1.5hrs)**
 - 30 Min = Globus Presentation & Hands On (cont)
 - 60 Min = perfSONAR & Network Monitoring
 - **Presented by Jason**
 - pS Overview. Tool use and setup. Hands on component
 - **Break (30 min)**
 - **Afternoon 2 (3:30pm – 5:30pm = 2 hrs)**
 - 30 Min = perfSONAR & Network Monitoring (cont)
 - 30 Min = Need for Science Engagement
 - **Presented by Jason**
 - Purpose of event, introduction to problem space
 - 30 Min = Community Talks
 - University of Pittsburg, OARnet, 3ROX, WVNet
 - 30 Min = Discussion Topics, Questions, Spill

Presenters: Ed Balas, Brent Sweeny, Joe Lappa (GRNOC), John Hicks (Internet2)

- **Day 2 (Thurs March 19th - 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
 - **Presented by GRNOC**
 - 30 Minutes = OpenFlow Tutorial
 - **Presented by GRNOC**
 - **Break (30 min)**
 - **Morning 2 (10:30am -12:30pm = 2 hrs)**
 - 30 Minutes = OpenFlow Tutorial
 - 1.5 Hour = OpenFlow Hands-on Exercise
 - **Presented by GRNOC**
 - **Lunch (12:30pm - 1:30pm)**
 - **Afternoon 1 (1:30pm - 3pm = 1.5hrs)**
 - 45 Min = SDN Troubleshooting Exercise 1
 - 45 Min = SDN Implementation Considerations (Hardware, Controller Software, Testing)
 - **Presented by GRNOC**
 - **Break (30 min)**
 - 45 Min = SDN Troubleshooting Exercise 2
 - **Presented by GRNOC**
 - 30 Min = How to Connect to AL2S
 - **Internet2**
 - 15 Min = Discussion Topics, Questions, Spill