OIN 17 Workshop Agenda (v7 – January 5th 2017)

Presenters: Jason Zurawski (ESnet), Kate Mace (ESnet), Rachana Ananthakrishnan (Globus)

• Rosenstiel School of Marine and Atmospheric Science Seminar Room, Miami FL
• Day 1 (Tues January 10th) = Science DMZ
  o Breakfast (7:30am – 8:30am = 1hr)
  o Morning 1 (8:30am – 10:00am = 1 hrs 30min)
    ▪ Welcome
      • Steve Cawley – University of Miami Vice President for IT and CIO
      ▪ 15 Min = Introductions & Motivation
        • Presented by 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
    o Break (30 min)
  o 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
    o Lunch (12:00pm – 1:00pm)
  o 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)
        o Server component install + client application
      ▪ 45 Min = perfSONAR & Network Monitoring
        • Presented by ESnet
    o Break (30 min)
  o Afternoon 2 (3:30pm – 5:00pm = 1 hr 30 min)
    ▪ 30 Min = perfSONAR Hands On
      • Presented by ESnet
      ▪ Intermediate pS Use
    ▪ 45 Min = Local Research Presentation
      • Presented by University of Miami or FLR (?)
    ▪ 15 Min = Discussion Topics, Questions, Spill
Presenters: Uwe Dahlmann (GRNOC), Hans Addleman (IU International Networks), Matt Zekauskas (Internet2)

- Rosenstiel School of Marine and Atmospheric Science Seminar Room, Miami FL
- Day 2 (Weds January 11th) = SDN & AL2S
  - Breakfast (7:30am – 8:30am = 1hr)
  - Morning 1 (8:30am – 10:00am = 1.5hrs)
    - 15 Minutes = Intro to SDN (Presented by Uwe Dahlmann, GRNOC)
    - 75 Minutes = SDN Building Blocks, & Current State
      - Introduction, SciPass
      - Presented by GRNOC
  - Break (30 min)
  - Morning 2 (10:30am -12:00pm = 1.5 hrs)
    - 60 Minutes = OpenFlow Tutorial
      - Presented by GRNOC
    - 30 Minutes = Openflow Hands-on 1
  - Lunch (12:00pm – 1:00pm)
  - Afternoon 1 (1:00pm – 3pm = 2 hrs)
    - 30 minutes = OpenFlow Hands-on Exercise 2
    - 60 Min = SciPass Hands-on
      - Presented by GRNOC
  - Break (30 min)
  - Afternoon 2 (3:30pm – 5:00pm = 1.5hrs)
    - 45 Min = Other SDN approaches: Example the GRNOC Dist-Tool
      - Presented by GRNOC
    - 45 Min = How to Connect to AL2S
      - Presented by Internet2