Documentation and Training Initiatives

Virtual Face-to-face
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D&T co-Leads
June 15-18, 2020
The Year in Review

• The recent past in Review report
  • Website move and refresh
    • Thanks Mark!
  • Logo
• Training initiatives through partners
  • Webinars
    • pS YouTube Channel
  • International Trainings (Tanzania, Morocco, Laos, Mozambique, and more!)
  • EPOC Roadside Assistance
The Year Ahead

• What we want to do next
  • Top 5 lists collection
    • Leading towards FAQ docs and Quicksheets for clarity/new users
  • Collecting and Communicating pS Success Stories
  • Refreshing our Video Library
    • NSRC-produced video series is coming up on 6 years old now; much has changed
Top 5 Lists

Categories

• Installation Issues
• Commonly Found Network problems
• Reasons pS Nodes Fail
• MaDDash Setup Snags
• Building on points made by Andy and Michael the past couple of days regarding QA, Solving existing issues, and Improving User Experience

What we Gain/Produce from these

• Content
  • FAQ’s
  • Quicksheets
• Better Insight into Issues which may need addressing
• Stability and ease of entry for new users (Getting away from needing to be a pS Expert™)
• Etc…
pS Success Stories

• What is a “Success Story”
  • https://drive.google.com/drive/u/1/folders/1JUzar0iMpu1gpRCVgELBn4UP5F7RBM2P

• Andy gave us the first, but MANY of us listening today have active meshes/nodes that are finding issues through our daily work
ESnet CHIC-HOUS

Networks/Organizations Involved: ESnet

People Involved: Andy Lake (ESnet), David Mitchell (ESnet)

Problem Description:

On March 18, 2020 Andy was contacted by David Mitchell in ESnet’s operations group about a strange behavior he was seeing with the perfSONAR throughput graphs. On March 13, 2020 1Gbps connected pantex-pt1.es.net results dipped to 100Mbps consistently across all tests. The ESnet controlled Pantex (https://pantex.energy.gov) tester connects closest POP is houston which also has a perfSONAR host at hous-pt1.es.net. Looking at latency and traceroute history there was nothing indicating a change. Running UDP throughput tests also yielded 100Mbps consistently, even when higher rates were specified.

Resolution:

It turns out that the ESnet Network Engineering Group made a change that was not communicated to the Operations Group to cap the pt interface to 100Mbps while waiting for maintenance to be done by the carrier on a failing circuit since there were fears of overloading the circuit. You can actually see a number of small loss events in the graphs before the 13th, that are actually larger if you zoom in since at the 1 month view you are looking at daily averages, which I believe are artifacts of the failing circuit prior to the cap.
pS Success Stories

- Doesn’t have to be a dissertation
- Should be a clear/compelling Use/Success
- Include images and explanations

- Not each of these will be a unique example – that’s OK
- Just seeing examples of pS in action will be helpful
- Like the “Top 5” lists and discussion these will/can/should help to focus current needs for improvement and future growth
Current Videos
• NSRC-produced videos with JZ and Brian T
  • https://learn.nsric.org/perfsonar/
• Webinars
• Some CI Brownbag Talks

What we’re doing this time
• Rolling out new content produced in homes
• Keeping content short (<2min)
• Keeping out terms/specifics which could lead to faster obsolescence
• References, references, references
Thanks everyone.

(Looking forward to seeing all of you as volunteers for talking head duty!)
Documentation and Training

F2F - Zoom

All of us

June 17, 2020