FloCon®2011

http://www.cert.org/flocon
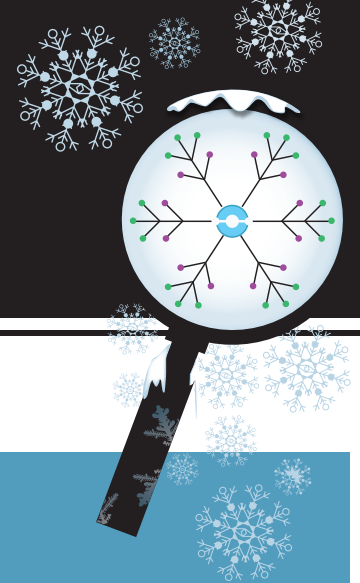
Call for Presentations and Demonstrations

Workshop overview

FloCon is an open workshop that provides a forum for operational network analysts, tool developers, researchers, and other parties interested in the analysis of large volumes of traffic to showcase the next generation of flow-based analysis techniques. Flow is an abstraction of network traffic in which packets are aggregated by common attributes over time.

Years ago, flow was the only way to understand activity on large networks because storage space was limited and deep-inspection technology simply could not keep up with traffic volume. Today, decreasing storage costs and increasing computing capabilities allow many products to generate huge volumes of deep packet data. However, flow analysis retains a vital role in the mission to understand network behavior.

This year's workshop will focus on learning about your network or confirming what you think you know about it. Is your dark space really dark? How many web servers are actually operating? How much spam do you get and from where? How much spam do you send and why? Are your DNS servers susceptible to cache poisoning?

FloCon 2011 will be comprised of presentations and demonstration sessions. Similar to poster sessions, demonstration sessions provide a opportunities for informal interaction with the community to gain project feedback. We are accepting proposals for presentations or demonstrations.

A limited number of registration fee discounts are available to students who present or demonstrate relevant flow-related research. Email flocontact@cert.org for additional information.

January 10-13, 2011
Salt Lake City, UT

IMPORTANT DATES

- *Friday, October 29, 2010*
  Presentation and demonstration submissions due

- *Friday, November 19, 2010*
  Acceptance notification sent

- *Friday, December 10, 2010*
  Final presentations and demonstrations due

Presentation topics

Presentations should demonstrate novel techniques for analyzing flow data or integrating flow data with other network data sets. The following are some topics of interest:

- Automated Analysis
- Data Set Sharing
- Educating on Flow
- Flow Analysis with Other Data Sources

- Flow Collection Technology
- IPv6 Transition and Analysis
- Malicious Behavior Detection
- Mathematical and Statistical Modeling

- Network Data Visualization
- Network Inventory
- Network Operations
- Network Situational Awareness

Demonstration session

Attendees with flow-based tools for security analysis, network forensics, or network management are invited to submit proposals to participate in a tool demonstration session. If you wish to discuss work in progress or cannot demonstrate live tools, you may

bring and present a poster describing your tool. The design of this session encourages the presenter to interact with other attendees and obtain feedback to improve tool development.

All demonstrations should be made using laptops or personal computers; please inquire about any other facilities you may need for your demonstration. Power and network connectivity will be available, although internet bandwidth may be limited. Live flow and IPFIX feeds can be made available to support the demonstration session. If you need access to flow data, note this in your submission.

Submission information

Guidelines

Presentations and demonstrations must relate to netflow analysis techniques and tools and must be relevant to the workshop focus described in the overview. Limited slots are available. Presentations are allotted 30 minutes, and demonstration sessions are 15 minutes. These timeframes must include time for questions. Because the workshop is intended to be highly interactive, presenters and demonstrators must have enough experience and in-depth knowledge about flow analysis to address questions from other attendees.

Presentations will be selected by the program committee based on a blind review against established selection criteria. Demonstration slots will be filled first by FloCon 2011 sponsors and then on a first-come basis.

Restrictions

Due to tax purposes, presentations and demonstrations cannot contain the following: material containing an endorsement; qualitative or comparative language; price information; other indications of savings or value; or any inducement to purchase, sell, or use your products or services. Strict compliance with these restrictions is required. Presentations and demonstrations that do not comply will be rejected or removed from the workshop.

Submission instructions

Submit proposals online: **https://events.capsllc.net/flocon/submissions** (Email submissions will not be accepted.)

Acceptance notification announcements will be sent by Friday, November 19, 2010.

Program committee

Workshop chairs: Paul Krystosek, CERT, Software Engineering Institute, Carnegie Mellon University
                     Ed Stoner, CERT, Software Engineering Institute, Carnegie Mellon University
Session chairs: Danell Castro, US-CERT, Department of Homeland Security
                     John Gerth, Stanford University
                     Joshua Goldfarb, 21st Century Technologies, Inc.
                     Chris Kinnahan, U.S. Department of Treasury
                     William Orvis, Lawrence Livermore National Lab
                     Tim Shimeall, CERT, Software Engineering Institute, Carnegie Mellon University
                     Rhiannon Weaver, CERT, Software Engineering Institute, Carnegie Mellon University