

CERT Virtual Flow Collection and Analysis

For Training and Simulation

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CERT Network Situational Awareness ("NetSA")

- Among other work:
 - Applied Research and Development
 - Maintains the SiLK tool suite
 - Analysis Pipeline
 - Operational Analysis
 - Private Network Analysis
 - Network Profiling of Waladec-Infected IP Space
 - Capacity Building
 - Open source software and publications
 - In person and online training

NetSA Online Training Modules

- Network Flow
- SiLK Beginning Flow Analysis
- rwfilter
- Counting Tools: rwcount, rwstats, rwuniq
- rwappend-rwsplit
- rwfileinfo-rwglob
- rwcut and rwcat
- rwsort
- Sets
- Prefix Maps (pmaps)
- Advanced SiLK Tools: Bags
- Using Tuples with SiLK
- LAB: SiLK Training

NetSA Online Virtual Lab





NetSA Online Virtual Lab





New Training Modules in 2010

- Introduction to iSiLK
- Overview of PySiLK
- Basic PySiLK Objects



Modules Proposed for 2011



Virtual Training Environment ("VTE")

- Training from anywhere with a web browser and
 Internet connection
- Recorded lectures on a variety of topics
- Hands-on training labs
- Narrated demonstrations
- XXX modules and counting!
- Topics range from CompTIA Network+ to Malware Analysis

Next Generation: VTE3





VTE3

- New site design
- Faster, more robust
- Authoring environment
- Labs based on the next generation of VMWare
- Communities
- Social networking



CERT – Exercise Network ("XNET")

- New site design
- Faster, more robust
- Authoring environment
- Labs based on the next generation of VMWare
- Communities
- Social networking

