SiLK and the Virtual Training Environment

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FloCon 2010

Goals

Enable remote training delivery

Modularize for maintainability

Standardize across target audiences

Transition as widely as possible

Scale best-practice training to all students

The Virtual Training Environment

Adobe Presenter-based

- Plays using standard Adobe Flash plugin

Slides

- Must be PowerPoint

Audio (MP3)

Video (if available)

Transcription or script

Virtual lab environment

- VMware images
- Virtual network
- Reuse/enhance standard system images where possible

Lessons learned so far

Distributed module development grouped by common theme is possible

- Need project lead to keep organized
- Results can be of uneven quality
- Helps identify best training developers
- Permits rapid development/update

Labs end up decoupled from lectures

Different target audiences require different data sets

Future efforts

Greater utilization of best trainer(s)

Update to keep pace with software releases

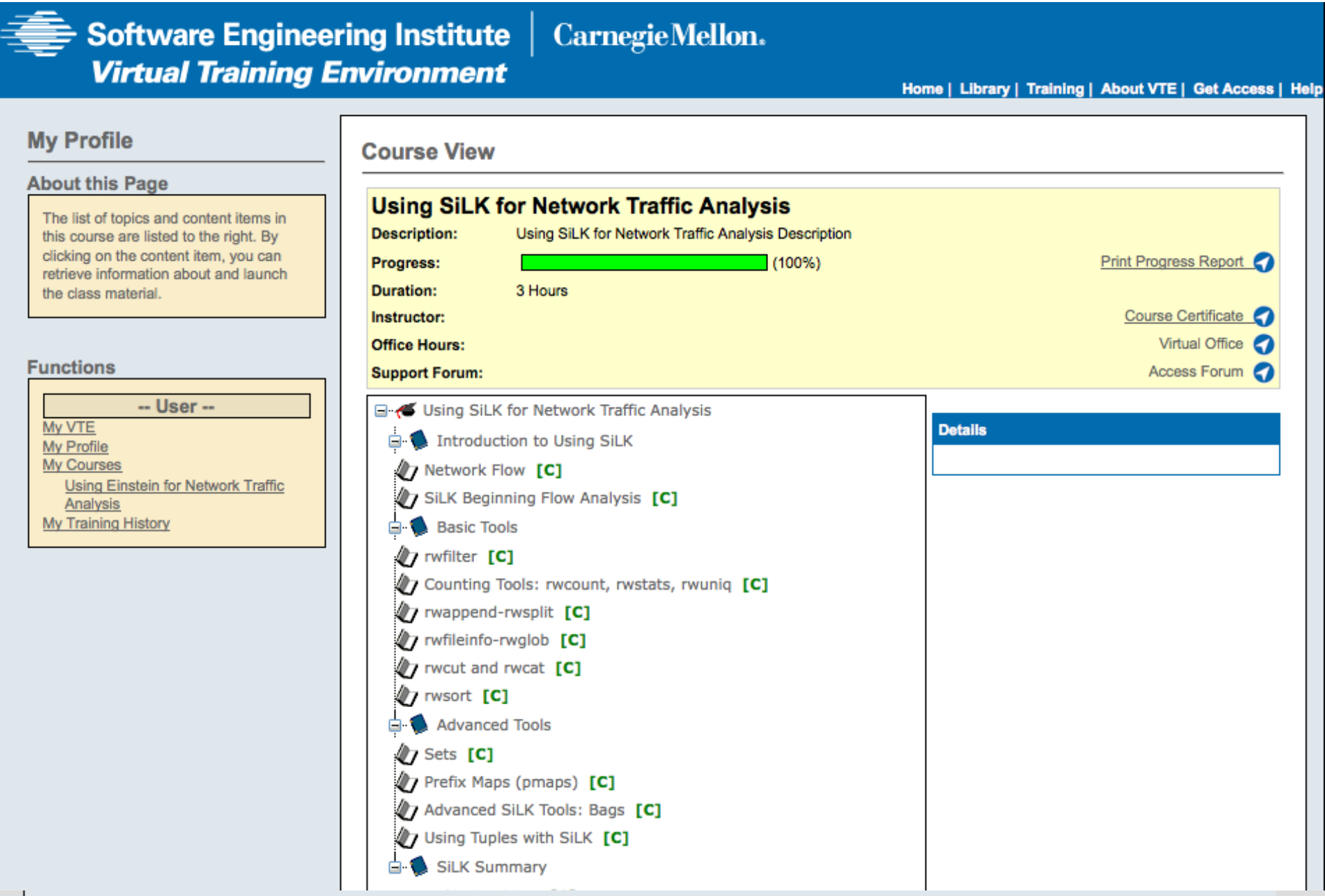
Additional tools

- iSiLK
- Visualization

Training access

VTE https://www.vte.cert.org/

SiLK course links http://tools.netsa.cert.org/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The list of topics and content items in this course are listed to the right. By clicking on the content item, you can retrieve information about and launch the class material.
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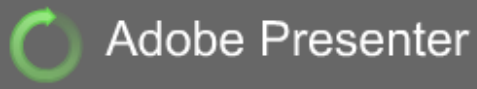
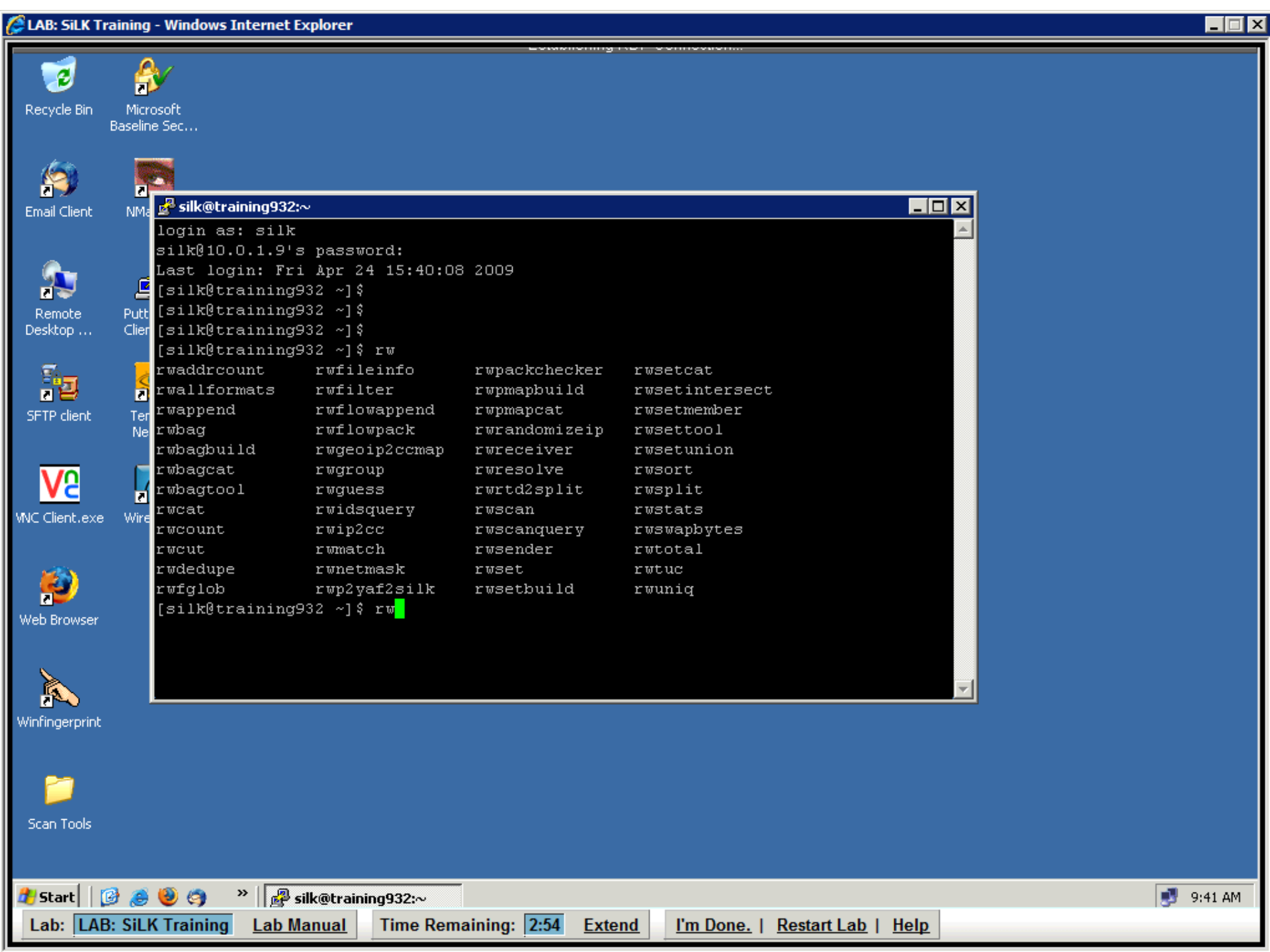
Using SiLK for Network Traffic Analysis
Description: Using SiLK for Network Traffic Analysis Description
Progress: (100%)
Print Progress Report
Duration: 3 Hours
Instructor:
Course Certificate
Office Hours:
Virtual Office
Support Forum:
Access Forum
Using SiLK for Network Traffic Analysis
Introduction to Using SiLK
Network Flow [C]
SiLK Beginning Flow Analysis [C]
Basic Tools
rwfilter [C]
Counting Tools: rwcount, rwstats, rwuniq [C]
rwappend-rwsplit [C]
rwfileinfo-rwglob [C]
rwcut and rwcat [C]
rwsort [C]
Advanced Tools
Sets [C]
Prefix Maps (pmaps) [C]
Advanced SiLK Tools: Bags [C]
Using Tuples with SiLK [C]
SiLK Summary
Details

Simulated c

CERT-NetSA - SiLK Training - CountingTools2




LAB: SiLK Training - Windows Internet Explorer
Recycle Bin
Microsoft Baseline Sec...
Email Client
Remote Desktop ...
SFTP client
VNC Client.exe
Web Browser
Winfingerprint
Scan Tools
silk@training932:~
login as: silk
silk@10.0.1.9's password:
Last login: Fri Apr 24 15:40:08 2009
[silk@training932 ~]$
[silk@training932 ~]$
[silk@training932 ~]$
[silk@training932 ~]$ rw
rwaddrcount rwfileinfo rwpackchecker rwsetcat
rwallformats rwfilter rwpmapbuild rwsetintersect
rwappend rwflowappend rwpmapcat rwsetmember
rwbag rwflowpack rwrandomizeip rwsettool
rwbagbuild rwgeoip2ccmap rwreceiver rwsetunion
rwbagcat rwgroup rwresolve rwsort
rwbagtool rwguess rwrtd2split rwsplit
rwcat rwidsquery rwscan rwstats
rwcount rwip2cc rwscanquery rwswapbytes
rwcut rwmatch rwsender rwtotal
rwdedupe rwnetmask rwset rwtuc
rwfglob rwp2yaf2silk rwsetbuild rwuniq
[silk@training932 ~]$ rw
Start
silk@training932:~
9:41 AM
Lab: LAB: SiLK Training
Lab Manual
Time Remaining: 2:54
Extend
I'm Done. | Restart Lab | Help

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