Weekly Report

Individual Contributions

Andy

Determine how to properly include jars for Cream (4.5 hours, 2/20)

- Use -cp / -classpath flag and then list jar files, separated by colons
- More information on slf4j can be found here: http://slf4j.org/manual.html
- Only need include slf4j-api-1.7.10.jar and one of the logging framework jars
- Currently using slf4j-simple-1.7.10.jar, which sends it to System.err
- Tried looking into how to log to a file but couldn't figure it out

Modified makefile for new ASN Collector and cleaned up SVN (3.5 hours, 2/20)

- Removed obsolete pushers and classes from SVN
- Moved raw and ASN collectors to new collector directory
- Updated makefile to build ASN collector
- Updated makefile to install ASN collector and jar files
- Could use some cleanup if used as part of installation

Worked on starting ASN collector and Cream from Cream (4 hours, 2/20)

- PHP does not have a way of stopping Cream
- PHP does not appear to handle the pipe cmd properly (does work via cmd line)
- Looked into using ProcessBuilder but it is not starting Cream correctly
- Also looked at Runtime.exec but it also has the same issue
- Ideally, I think Runtime or ProcessBuilder is a better solution than piping

Total: 12 hours

Total-To-Date: 70.5 hours

Abe

Revised pcap splitter and testing – Fixed bug (5 hours)

Docker research (2 hours)

Total: 7 hours

Total-To-Date: 29 hours

Altay

Added the pcap separation functionality (2/24 8 hrs)
- Now pcaps are separated at the correct places
- Xplico can read it no matter the order

Converted the raw collector into Java (2/23, 4 hrs)
Tested/debugged the code a little (2/24, 1 hr)
- Make sure conversion to Java did not break anything.
- Also need to add separation of big pcaps
- Pcap are held in buffer, in order to know where it ends, until the end show up
- Therefore, it takes time for big pcaps to show up in Xplico

Total: 13 hours

Total-To-Date: 52 hours

Tasks

- Finish modifying Xplico to start ASNCollector and Cream (Andy)
  (Also update to start new RawCollector and retest both ASN and Raw)

- Create framework for report generation pages (Andy)

- Modify RawCollector to separate big pcaps (Altay)

- Create simple example / demo of Docker container (Abe)