

# Cpr/SE 491 Weekly Report    **MAY15-06**    **Week 6 (10/04/14-10/10/14)**

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**Advisors:** Joseph Zambreno

**Client:** Curtis Schwaderer (IP Fabrics, Inc)

## **Members (roles):**

Altay Ozen (Team Leader and Team Key Concept Holder)

Andrew Heintz (Team Communication Leader)

Abraham Devine (Team Webmaster)

**Project Title:** Network Forensics User Interface

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## **Weekly Summary**

Finished initial version of web site

Created instructions for installing DeepSweep and Go Collector

Ran DeepSweep and Go Collector with output from client

See individual contributions for more details

## **Meeting Notes:**

### **10/10 Advisor Meeting**

**Duration:** 30 min

**Members Present:** All

Demoed DeepSweep and Go Collector

Discussed roles of DeepSweep and Go Collector

Determined things to investigate for next week

### **10/10 Group Meeting**

**Duration:** 90 min

**Members Present:** All

Looked into whether .ber has a standard file format

Divided up tasks between group members

Discussed setting GOPATH in .bashrc/.profile

Talked about how to move web site to ISU domain

## **Pending Issues**

Problem: Uncertain how Go Collector converts .ber to .pcap

Solution: Examine code and create diagram of its parts

Problem: Uncertain what role the Java code has in our project

Solution: Examine code and create diagram of its parts

Problem: Reverse engineer format of .ber file

Solution: Create documentation of .ber file format

## Plans for next week

Examine code for Go Collector (Andy, 8-10 hours)

Look at code for Deep Sweep (Abraham, 8-10 hours)

Reverse engineer .ber file format from .pcap (Altay, 8-10 hours)

## Individual Contributions (this week)

Names	Time Spent (hrs)	Date Finished	Details of Task	How it got Completed	Why is it Important
Altay Ozen	2	10/6	Ran DeepSweep with output (.ber file) from client	See below instructions	DeepSweep is one of the main project components
Altay Ozen	3	10/8	Compiled and ran Go Collector	See below instructions	Go Collector is one of the main project components
Altay Ozen	3	10/9	Created instructions for DeepSweep and Go Collector	Wrote document and sent it via email	Instructions needed , so rest of the group can install programs
Andrew Heintz	2.5	10/6	Installed DeepSweep	Downloaded Eclipse and Java 7, and installed DeepSweep using instructions	DeepSweep is one of the main project components
Andrew Heintz	3.5	10/9	Tried to install Go Collector	Followed instructions, but got compile errors (Will use copy of Altay's VM instead)	Go Collector is one of the main project components
Abraham Devine	3	10/6	Worked on web site	Finished web pages	Web site is required part of course
Abraham Devine	1	10/8	Looked into Xplico extensibility	Looked at what modules the code has and the specifications	Xplico is one of the main project components
Abraham Devine	1.5	10/9	Installed DeepSweep	Downloaded Eclipse and Java 7, and installed DeepSweep	DeepSweep is one of the main project components

Running DeepSweep:

Run the Jcollector with an unreserved port (e.g. 6000), so it will listens that port  
Go to the terminal and enter: nc localhost 6000 < /path/to/file.ber

Running Go Collector

Go to GOPATH/src/go.ipfabrics.com/deepprobe/cmd/collector

Compile program: go install

Run program (from GOPATH/bin): ./collector -dp <path/to/file.ber> -pcap ./output.pcap

## **Total contributions for the project**

Andrew Heintz (42 hrs)

Altay Ozen (44.5 hrs)

Abraham Devine (19.5 hrs)