

## sdmay19-39: ISEAGE Traffic Generator

Week 3 Report

September 29 - October 4

### Team Members

Dustin — *QA*

Josh — *Requirements*

Matt — *Architect*

Ethan — *PM*

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### Summary of Progress this Report

Researched configuration files in python. Read documentation about sNAT. Researched metasploit and started getting the configuration for pymetasploit running in the docker image.

### Pending Issues

The proxy is still a mess in general. Hopefully this technical issue will be resolved through a sNAT implementation.

### Plans for Upcoming Reporting Period

Implement test tasks, figure out which specific sNAT to use

Ethan- I plan to get my development environment working along with all the packages I need to configure metasploit. Once I reach this point I hope to at least start sending attacks to a VM from the docker container via the pymetasploit library.

Matt - I plan to get brute-force ssh cracking implemented within the existing task scheduling architecture.

Dustin - I plan on following up on the answers to my stack overflow question, and look into implementing snort packet generation in python as a rabbitmq task.

Josh - I plan to review options for rewriting packet source addresses

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### Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
Dustin	Read about SNAT, asked stack overflow questions guiding towards a solution towards our proxy issues.	2	9
Josh	Evaluate options for python configuration file formats, and review existing libraries	2.5	10.5
Matt	Worked on beginning code design and structure. Tasks should be fully encapsulated from the queueing and consumption system.	2	12

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Ethan	Researched metasploit and started getting the pymetasploit library set up in the docker image	4	10

**Gitlab Activity Summary**

Nothing to report.

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