

# ITBU 313: Introduction to Cyber Security

## Lab 04, Reconnaissance with hping

### 1 Readings

Review the following tools and write a *brief* description of the capabilities of each.

1. ping
2. Hping

### 2 Lab Assignment

Complete Lab 04 in Ethical Hacking.

### 3 Instructions

First, we will explore the `ping` utility. On Windows, open your command prompt and enter the following commands. Take one screenshot of the results.

```
ping
ping /?
ping google.com
ping 142.250.176.14
ping mobap.edu
```

Take screenshots after the following steps. You will include these in your deliverable. Please make sure that your images include your (unique) reservation number and lab name, as shown in Figure 1.

- Part 1, Step 8
- Part 1, Step 9
- Part 2, Step 4
- Part 2, Step 5
- Part 2, Step 6
- Part 2, Step 7
- Part 2, Step 8

### 4 Writeup

Conclude the assignment with a brief reflection (two or three paragraphs) of your evaluation of the usefulness of the tools, with examples of how you could use them in pursuit of either an attack or a defense of an asset.

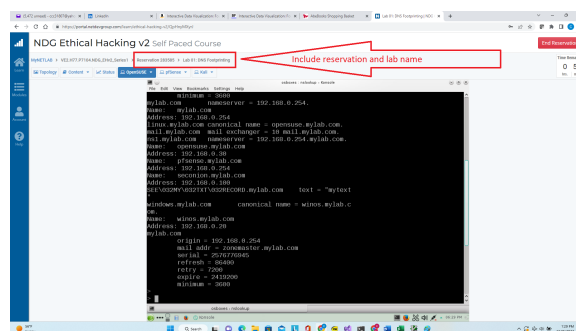


Figure 1: Sample screenshot for lab

## 5 Deliverable

Your deliverable consists of a document (Microsoft Word, PDF, or similar) with your description of the tools, screenshots, and reflection. Your deliverable *must include* your name, course number, lab number or name, and the date of completion. Submit your deliverable through Canvas.