# CS 5153/5053 Network Security, Spring 2023

## Project 5: Meltdown Attack

## Report

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Link to Source Code <https://github.com/austinc3030/meltdown_m11809075>

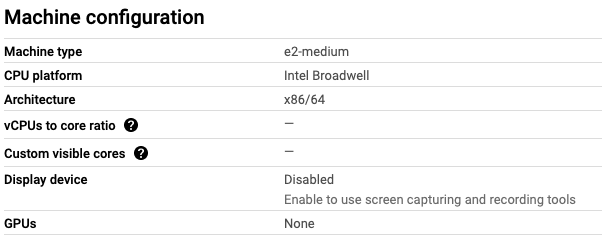
## Host Environment Used

Operating System: Ubuntu 20.04 LTS



Hardware: Google Cloud E2 Instance

Google Cloud Machine Configuration:



Links Used for Environment Setup:

* [seed-labs/seedvm-cloud.md at master · seed-labs/seed-labs (github.com)](https://github.com/seed-labs/seed-labs/blob/master/manuals/cloud/seedvm-cloud.md)
* [seed-labs/create\_vm\_gcp.md at master · seed-labs/seed-labs (github.com)](https://github.com/seed-labs/seed-labs/blob/master/manuals/cloud/create_vm_gcp.md)

## Additional Information

I noticed in the 20.04 version of the labs, the SEEDLabs pdf contains the following excerpt regarding the use of a 20.04 SEEDLabs VM:

**“This lab has been tested on our pre-built Ubuntu 16.04 VM, which can be downloaded from the SEED website. On the SEED Ubuntu 20.04 VM, Tasks 1 to 6 still work as expected, but Tasks 7 and 8 will not work due to the countermeasures implemented inside the OS.”**

I am using a SEEDLabs 20.04 VM and believe this may have had an influence on the results I was able to obtain. As noted in the assignment pdf Note 1, I have included all screenshots and necessary documentation of my attempts to complete tasks 7.1 and 7.3.

## Task 1

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 2

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 3

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 4

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 5

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 6

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 7.1

### How do you compile the code for this task

1. Place Holder

### Screenshots

## Task 7.3

### How do you compile the code for this task

1. Place Holder

### Screenshots