

Log4Shell

- Due Mar 9 by 11:59pm
- Points 100
- Submitting an external tool
- Available Feb 23 at 12am - Mar 9 at 11:59pm

Welcome!

For this assignment you will exploit a real world vulnerability: Log4Shell.

This will be a capture-the-flag style project where you will exploit a web application with a vulnerable version of log4j.

A correct solution will output a 'flag' or 'key'. There are 7 tasks to complete for 7 total flags. 6 required and 1 extra credit for a possible total of 102%. You will submit these flags in json format to Gradescope for grading in a file named *project_log4shell.json*.

There is a template in the /home/log4j/Desktop/log4shell folder of the VM: *project_log4shell.json*. Copy this file and fill out the appropriate values for the flags found. Submit this file to Gradescope for immediate feedback with the autograder. Your grade will be reflected here in Canvas after the assignment has closed.

You'll use the same virtual machine you've been using. [_\(https://cs6035.s3.amazonaws.com/CS6035-Fall-2023-RC1.ova\)](https://cs6035.s3.amazonaws.com/CS6035-Fall-2023-RC1.ova)

If you need to [redownload the VM](https://cs6035.s3.us-east-1.amazonaws.com/CS6035-Spring-2025-RC-03.ova) [_\(https://cs6035.s3.us-east-1.amazonaws.com/CS6035-Spring-2025-RC-03.ova\)](https://cs6035.s3.us-east-1.amazonaws.com/CS6035-Spring-2025-RC-03.ova), do it early in case you run into slow downloads.

The VM username and password is **log4j** and **ElCapitan_2024**

Go here for project details on the course Github Pages site:


<https://github.gatech.edu/pages/cs6035-tools/cs6035-tools.github.io/Projects/Log4Shell/>
[\(https://github.gatech.edu/pages/cs6035-tools/cs6035-tools.github.io/Projects/Log4Shell/\)](https://github.gatech.edu/pages/cs6035-tools/cs6035-tools.github.io/Projects/Log4Shell/)

Good luck and have fun!

Necessary Disclaimer:

THIS IS A REAL WORLD CRITICAL VULNERABILITY THAT MOST VENDORS HAVE PATCHED BUT THERE STILL COULD BE APPLICATIONS WITHOUT THE PATCH. THIS PROJECT IS FOR EDUCATIONAL PURPOSES ONLY. ATTEMPTING THIS ON REAL APPLICATIONS COULD PUT YOU IN VIOLATION OF THE LAW AND GEORGIA TECH IS NOT RESPONSIBLE.

Submit Programming Assignment

 Upload all files for your submission

Submission Method

 Upload

Drag & Drop

Any file(s) including .zip. Click to browse.