# Lab Four: Security Report of Functionality

In this lab the Operations Team is going to develop and deploy a process that will allow them to update the version of the application they are serving while at the same time interacting appropriately with the monitoring system. By appropriately I mean that when a new server is started or an old server shutdown it does not issue lots of false positives or warnings of any sort. Your task for this lab is to develop the security policies that you feel this architecture should live up to and then develop a test that you can run against the process to determine if the process meets those policies. Please don’t forget that “availability” is a security issue. In lab 2 you created a Siege and monitoring architecture. In that lab you tested your architecture to support an expected load of 100 concurrent connections. That worked because it was the right task that the lab had to live up to. How can we develop a test to see if the release engineering process works appropriately? You might decide that the right way to test this is to see if it can still live up to the tests that you developed before. That is up to you to figure out.

## Security Policies to be followed:

*Production Web Servers should follow Security Policies from Previous Labs*

## Deliverables:

Reports turned in should contain parts of the following components

* Enough of a description of the system or script that a new user understands its purpose
* Explanation of complicated or non-intuitive portions of code or process
* Basic usage and operation
* Which user to interact with the system or script as
* Where the script or system runs and what it touches or needs access to
* Known issues
* Future plans or features

Be concise and effective.

# Security Report:

|  |  |
| --- | --- |
| Group Number: | 4 |
| Group Members: | Nate Bachelder (Formerly Williams), Steffen Barr, Eli Hopkins, Xavier Rivera |
|  |  |
| Security Team Members: | Eli Hopkins |
| Version/Lab Number: | 4 |
| Date: | 12/13/21 |

Fill in the table below with a short description that answers the question.

## Project Description:

|  |  |
| --- | --- |
| What are the security policies of your group that must be met for this lab? | The production servers should follow all security policies from the original Lab 3 and the dev servers should be on a separate network from the prod servers. |
| What workload do you feel your application should be able to satisfy? | Our application should handle the same workload as in previous labs. |
|  |  |
| Success/Definition of successful completion | The sec portion of this lab has been completed if the lab 3 playbook has been adapted and runs successfully on the updated architecture. |

In your answers be sure to include both a textual description and screen shots showing your systems responding.

