CSSE 490 -- NETWORK SECURITY Rose-Hulman Institute of Technology

Concept Lab: Introduction to Firewalls

Learning Objectives

At the end of this lab, you should be able to:

- Define how a firewall works in the context of a Linux box.
- Experiment with different filtering rules using 'nftables'.
- Add nftables rules to restrict access to your private network for certain individuals and/or applications.

Question	Points	Score
Question 1	5	
Question 2	5	
Question 3	5	
Question 4	5	
Question 5	10	
Total:	30	

Winter 2023-2024	Name:	Network Security
1 Map the runn	ing services	
The questions below refer	to the first step of this	concept lab.
Question 1. (5 points)	List out the services rum	ning on the server container.
Question 2. (5 points) I that service is running	_	there, list a command that you can use to test if
2 Simple nft f The questions below:	firewall refer to the second step of	of this concept lab.
Question 3. (5 points)	What do you expect the	impact of the chain we have added to be?
Question 4. (5 points) server containers.	Verify your answer by r	unning a simple command from the client or
Question 5. (10 points) behavior does not take		the chain above to make sure that this observed