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

## Concept Lab: Introduction to Firewalls

## Learning Objectives

## At the end of this concept 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.

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Name:		

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

Wir	nter 2023-2024	Name:	NETWORK SECURITY
1	Map the run	ning services	
$\mathrm{Th}\epsilon$	e questions below re	er to the first step of this co	ncept lab.
Qu	estion 1. (5 points	List out the services running	ng on the server container.
Qu	estion 2. (5 points that service is runn	_	ere, list a command that you can use to test if
	2 Simple nft The questions below	firewall v refer to the second step of	this concept lab.
Qu	estion 3. (5 points	What do you expect the in	npact of the chain we have added to be?
Qu	estion 4. (5 points server containers.	Verify your answer by run	nning a simple command from the client or
Qu	estion 5. (10 point behavior does not t		e chain above to make sure that this observed