

Ceng 435 – WireShark Assignment 3

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Answer 1:

	Attacker	Victim	User	OVS
IP Numbers	10.10.2.1	10.10.1.1	10.10.3.2	10.10.3.1

Answer 2:

ICMP packets have no source and destination port numbers since they are created to communicate network-layer information between hosts and routers. It's aim is not to communicate between application layer processes. ICMP packets include "Type" and "Code" data. They identifies the specific message being received. Port numbers are not necessary to direct the the ICMP message to an another application layer process because network software itself interprets ICMP messages.

Answer 3:

	Request Packet Sequence	Reply Packet Sequence
1.	11	12
2.	15	16
3.	19	20
4.	23	24
5.	27	28

Answer 4:

	Type No	Code No	Checksum Byte	Sequence Number Byte	ID Field Byte
1.	8	0	2	4	4
2.	8	0	2	4	4
3.	8	0	2	4	4
4.	8	0	2	4	4
5.	8	0	2	4	4

Answer 5:

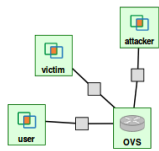
All of the source-destination pair TTL value are the same which is 63-64 (source-destination).

Answer 6:

Resources:

Manage Resources

Resources on Wisconsin InstaGENI are ready.



Renew

Renew Date

Delete

SSH

Restart

Snapshot

Details

Add Resources

Expand

Details:

Aggregate **Wisconsin InstaGENI's** Resources:

Node #1:

Status	Client ID	Component ID	Expiration	Type	Hostname
READY	victim	pc3	2019-01-10T15:33:49.000Z	emulab-xen	victim.Wireshark-e2099356.ch-geni-net.instageni.wisc.edu
Login	ssh e2099356@pc3.instageni.wisc.edu -p 28445				
	ssh eksert@pc3.instageni.wisc.edu -p 28445				
	ssh eronur@pc3.instageni.wisc.edu -p 28445				
	ssh alperen@pc3.instageni.wisc.edu -p 28445				
	ssh alperen@pc3.instageni.wisc.edu -p 28445				
Interfaces		MAC		Layer 3	
interface-0	pc3:1o0	0279c378780b	ipv4: 10.10.1.1		

Node #2:

Status	Client ID	Component ID	Expiration	Type	Hostname
READY	attacker	pc3	2019-01-10T15:33:49.000Z	emulab-xen	attacker.Wireshark-e2099356.ch-geni-net.instageni.wisc.edu
Login	ssh e2099356@pc3.instageni.wisc.edu -p 28443				
	ssh eksert@pc3.instageni.wisc.edu -p 28443				
	ssh eronur@pc3.instageni.wisc.edu -p 28443				
	ssh alperen@pc3.instageni.wisc.edu -p 28443				
	ssh alperen@pc3.instageni.wisc.edu -p 28443				
Interfaces		MAC		Layer 3	
interface-3	pc3:1o0	0259003cb20e	ipv4: 10.10.2.2		

Node #3:

Status	Client ID	Component ID	Expiration	Type	Hostname
READY	user	pc3	2019-01-10T15:33:49.000Z	emulab-xen	user.Wireshark-e2099356.ch-geni-net.instageni.wisc.edu
Login	ssh e2099356@pc3.instageni.wisc.edu -p 28444				
	ssh eksert@pc3.instageni.wisc.edu -p 28444				
	ssh eronur@pc3.instageni.wisc.edu -p 28444				
	ssh alperen@pc3.instageni.wisc.edu -p 28444				
	ssh alperen@pc3.instageni.wisc.edu -p 28444				
Interfaces		MAC		Layer 3	
interface-5	pc3:1o0	0295cab71332	ipv4: 10.10.3.2		

Node #4:

Status	Client ID	Component ID	Expiration	Type	Hostname		
READY	OVS	pc3	2019-01-10T15:33:49.000Z	emulab-xen	OVS.Wireshark-e2099356.ch-geni-net.instageni.wisc.edu		
Login	ssh e2099356@pc3.instageni.wisc.edu -p 28442						
	ssh eksert@pc3.instageni.wisc.edu -p 28442						
	ssh eronur@pc3.instageni.wisc.edu -p 28442						
	ssh alperen@pc3.instageni.wisc.edu -p 28442						
	ssh alperen@pc3.instageni.wisc.edu -p 28442						
Interfaces		MAC		Layer 3			
interface-1	pc3:1o0	02b2188b0257	ipv4: 10.10.1.2				
interface-2	pc3:1o0	0231f9d4f13f	ipv4: 10.10.2.1				
interface-4	pc3:1o0	02cf4743a57f	ipv4: 10.10.3.1				