IT Technology 2. sem

Assignment 04
SRX source and destination nat

University College

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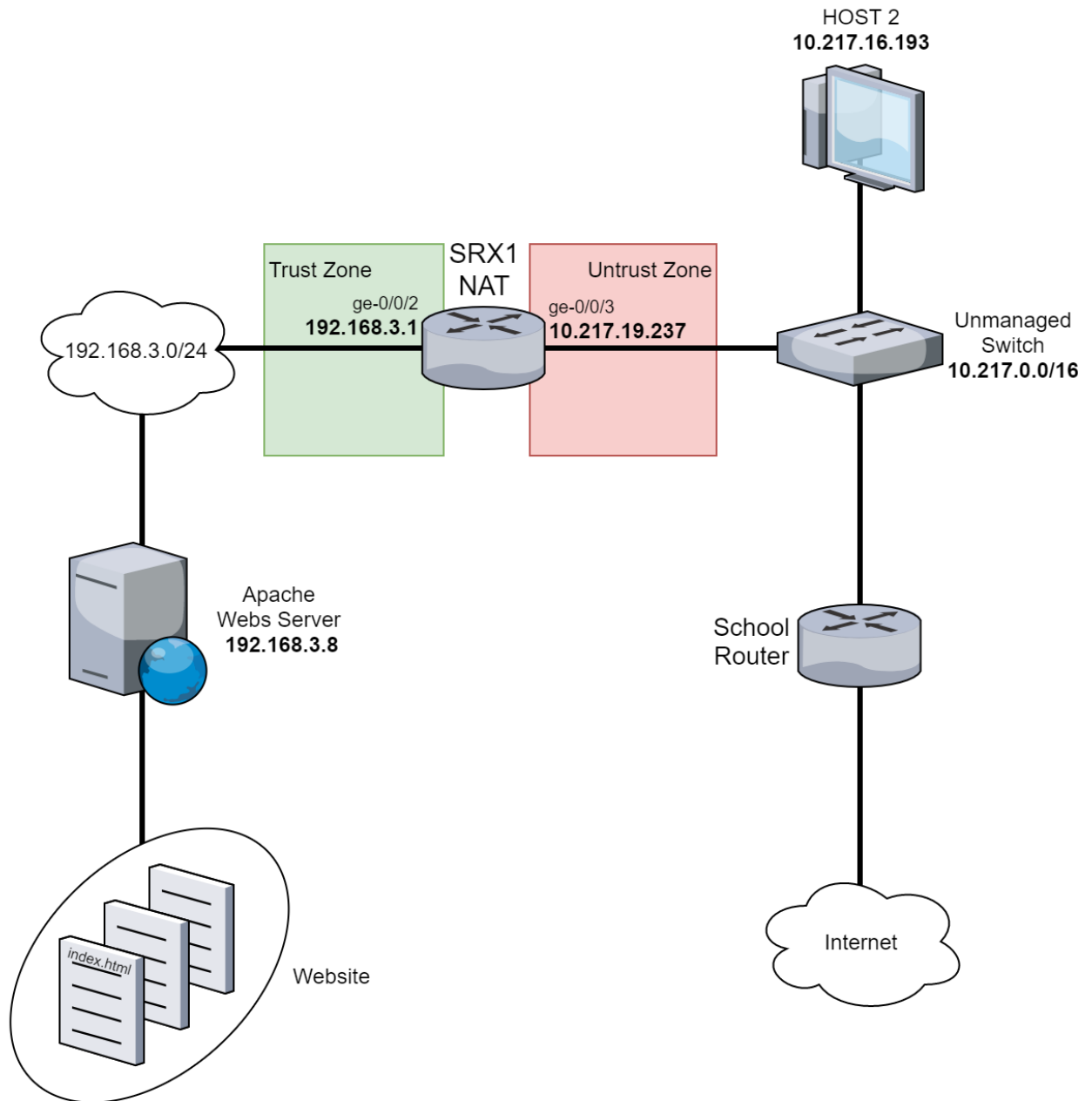seba7286@edu.eal.dk
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Sunday 10 Feb 2019

Table of Contents

A topology diagram with explanation

Destination NATTING is configured on a real SRX, with port 80 traffic being forwarded to the web server, such that the website can be accessed from the untrusted zone using the IP of interface ge-0/0/3.

A Low Level Design

INSTANCE TYPE	INTERFACE	UNIT	IP ADDRESS	MASK	FAMILY	CONNECTS TO	STATUS	Comments
LOW LEVEL DESIGN								
SRX-D3	ge-0/0/0	0				Management port	up	
	ge-0/0/1	0	192.168.2.1	/24	inet		up	
	ge-0/0/2	0	192.168.3.1	/24	inet	VMnet 3	up	ge-0/0/2 is connected via cable to the laptop interface
	ge-0/0/3	0	10.217.19.237	/16[1]	inet	Unmanaged switch	up	
Web Server	ge-0/0/0	0	192.168.3.8	/24	inet	VMnet bridge to laptop interface	up	Laptop is connected via cable to the ge-0/0/2 interface on SRX-D3
Workstation	ge-0/0/0	0	10.217.16.193	/16[2]	inet	Unmanaged switch	up	

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[1] This is a estimated value, could be unstable
[2] See above

How to install the Apache Webserver on a Raspberry Pi

```
sudo apt-get install apache2
```

For more info see [here](#)[3].

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[3] https://www.raspberrypi.org/documentation/remote-access/web-server/apache.md

A filled out test plan

TEST PLAN			
ASSERTION	**METHOD**	**EXPECTED RESULT**	**SUCCESS**
Web Server accessible via router untrust zone IP	Use a web browser on Host 2 to access 10.217.19.237	Web page displays successfully	✓
Web Server can access router	Ping 192.168.3.1 from Web Server	Ping replies received	✓
Host 2 can access router	Ping 10.217.19.237 from Host 2	Ping replies received	✓
Routing table	Ping Web Server from Host 1	Ping replies received	✓
Untrust to trust zone policy functioning	Ping 192.168.3.1 from Host 2	Ping refused	✓
Trust to untrust zone policy functioning and correct default route	Ping 10.217.16.193 from Web Server	Ping successful	✓

Put the router configuration and the topology diagram in GitLab

[Diagram](4)[4]

[Configs](5)[5]

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[4] https://github.com/Sebski123/Network/tree/master/ITT2/ass01%2B04SRXsourceAndDestinationNat/Diagrams
[5] https://github.com/Sebski123/Network/tree/master/ITT2/ass01%2B04SRXsourceAndDestinationNat/SRX_configs