(SITNET4) PORTFOLIO

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Name of Activities	Date	Score	Page No.
First Grading			
Quizzes			
Quiz 1	Aug 19, 2024	10/10	4
Quiz 2	Sep 09, 2024	22/35	5
Assignment 1	Sep 09, 2024	19/50	6-8
Other Activities			
Laboratory Activity 2	Aug 19, 2024	100%	9
Laboratory Activity 3	Aug 19, 2024	100%	9
Laboratory Activity 4	Aug 19, 2024	100%	9
Laboratory Activity 5	Aug 19, 2024	100%	10
First Grading Exam	Sep 16, 2024	100%	10
Midterms			

Quizzes			
Quiz 1	Oct 07, 2024	20/20	11
Seatwork 1	Oct 07, 2024	12/12	12
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Other Activities			
Laboratory Activity 1 (MD_ACT1)	Oct 07, 2024	100%	14
Laboratory Activity 2 (MD_ACT2)	Oct 07, 2024	100%	14
Laboratory Activity 3 (MD_ACT3)	Oct 07, 2024	100%	15
Laboratory Activity 4 (MD_ACT4)	Oct 07, 2024	100%	15
Laboratory Activity 5 (MD_ACT5)	Oct 21, 2024	100%	15
Laboratory Activity 6 (MD_ACT6) (MD_ACT6 Documentation)	Oct 21, 2024	100%	16
Laboratory Activity 7 (MD_ACT7)	Oct 21, 2024	100%	17
Midterm Exam	Oct 28, 2024	100%	17
Finals			
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Seatwork 1	Nov 25, 2024	10/10	19
Other Activities			
Laboratory Activity 1	Nov 25, 2024	100%	20

Laboratory Activity 2	Nov 25, 2024	100%	20
Laboratory Activity 3	Nov 25, 2024	100%	21
Laboratory Activity 4	Nov 25, 2024	100%	21
Laboratory Activity 5	Nov 25, 2024	100%	21
Laboratory Activity 6	Nov 25, 2024	96%	22
Final Exam			
Course Reflection			23

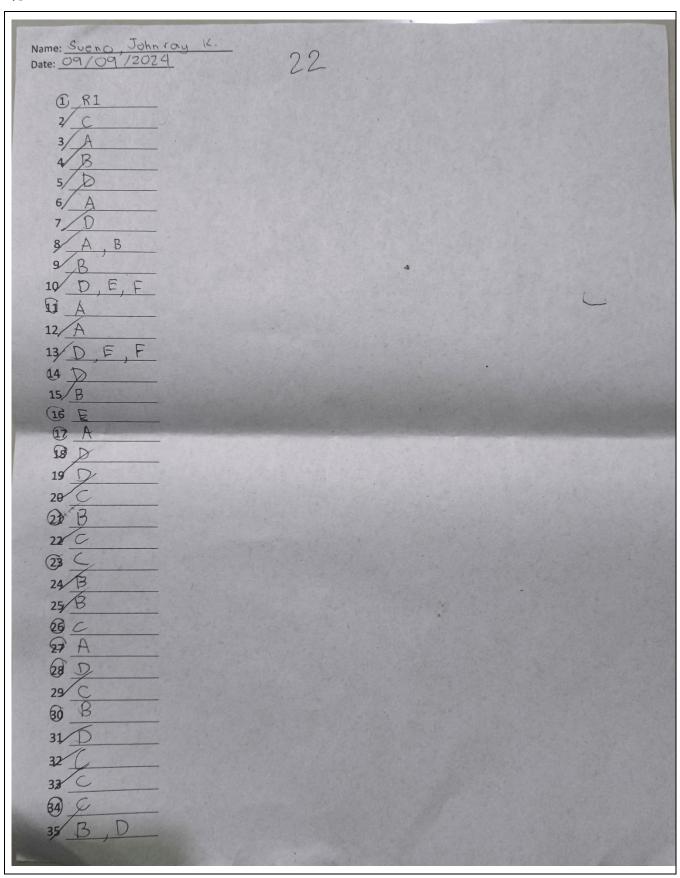
FIRST GRADING: LECTURE

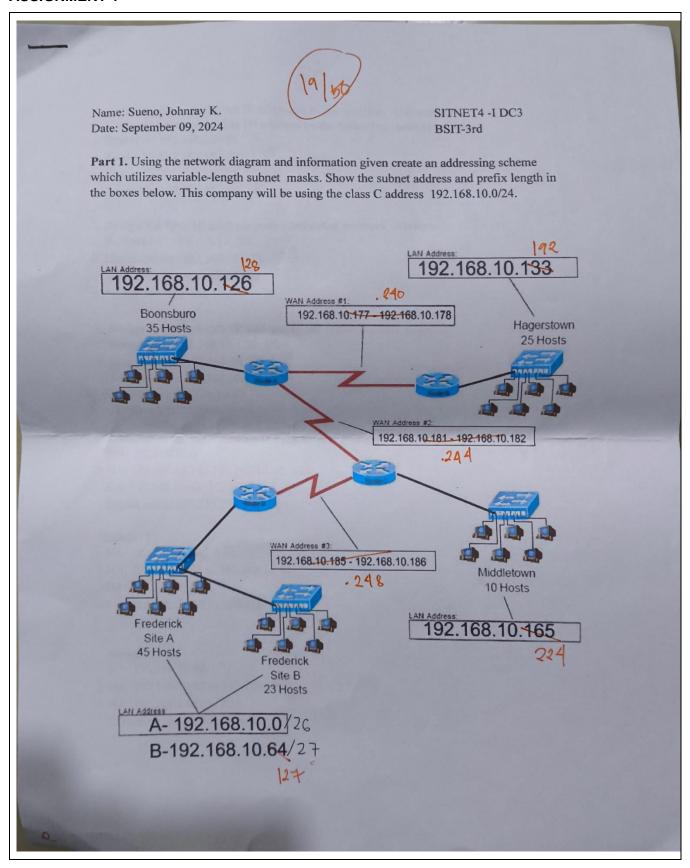
Quiz 1:

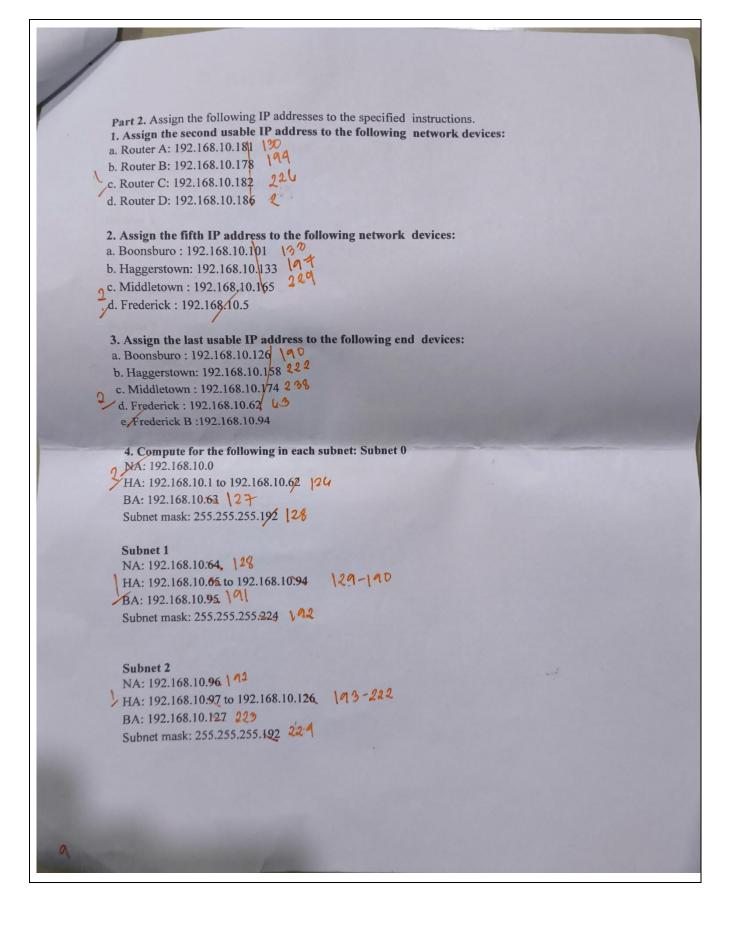
Sueno, Johnray K.	JDC3		
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			168.0.1-192.168.0.25
es. 08. 801 - 57 - 1.08. 801.			
Broadcast A.			
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21.18.301.551		•	12.168,1.1-192.168.1.12
		F	Broondcast Address
31.16.301.5F1 - F1.16.301.	255.255.255.252 '42	21-16.801.5E1K	92 160 1 127
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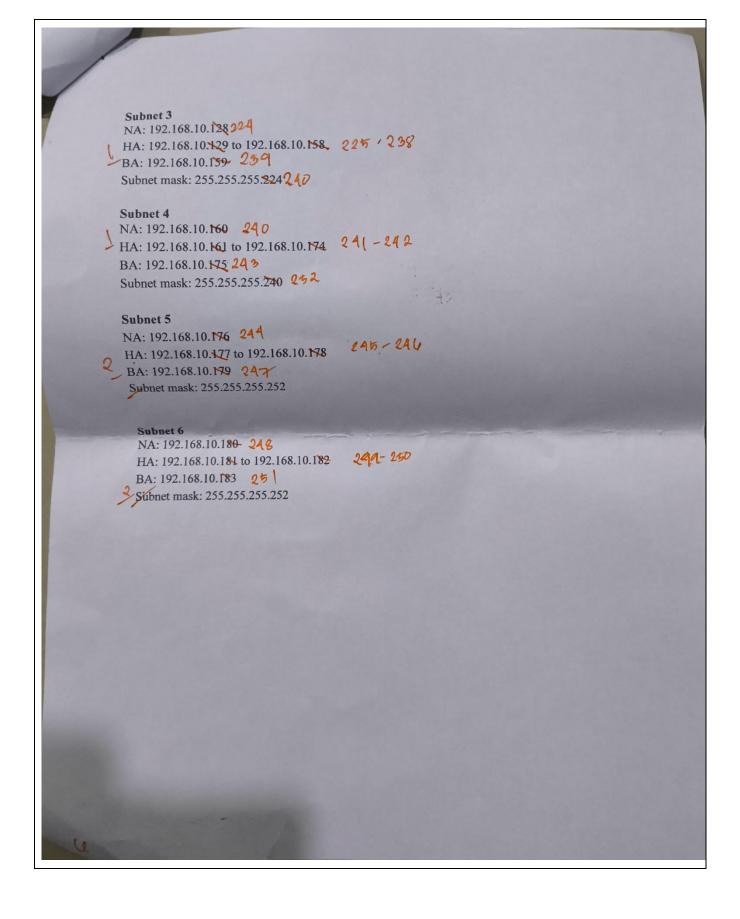
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					03	ar	-21 6070		
172 -1	68.30.	0/24		,			31/0	0.0.8	21.5
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		hashoo					Broadcast.		
	.255	0. 831.51	31			4000	172.168.30.		
10	4 16A	128 000	172.168-31-0	255.	265.255.24	0 172	.168.31.1-172	.168 -3	1.14
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125	sibbh +	Broadoas							
2	2-01	130 50	172.168.31.16	255.	255-255.25	52 177	2.168.31.17-1	72.168	.31-1
							Broad cast		
		Wall Ball					172.168.31.1	9	
-	AND RESIDEN	- Land Control		-	The state of the				

QUIZ 2



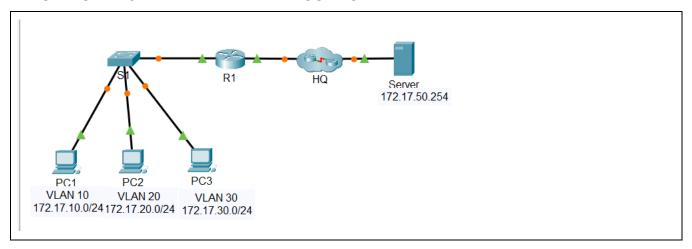




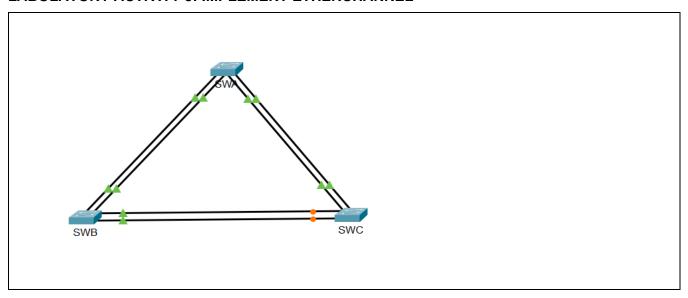


FIRST GRADING: LABOLATORY

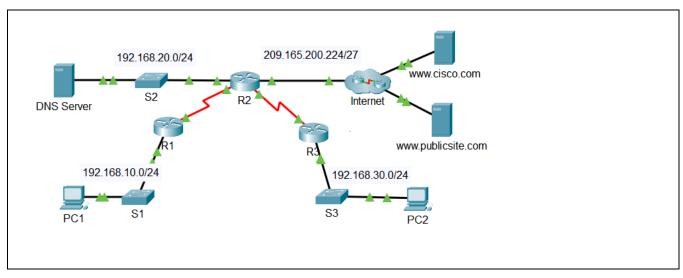
LABOLATORY ACTIVITY 2: INTERVLAN ROUTING



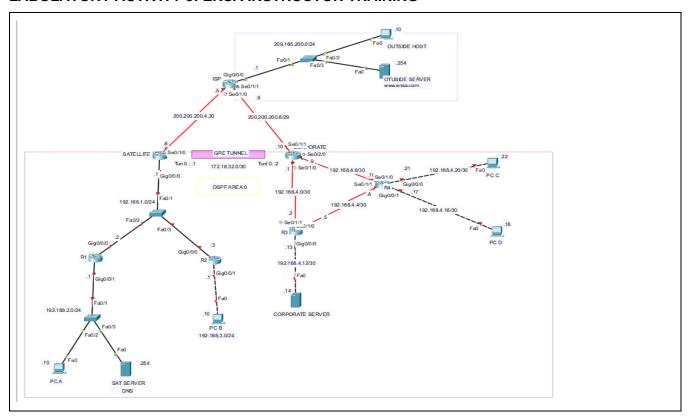
LABOLATORY ACTIVITY 3: IMPLEMENT ETHERCHANNEL



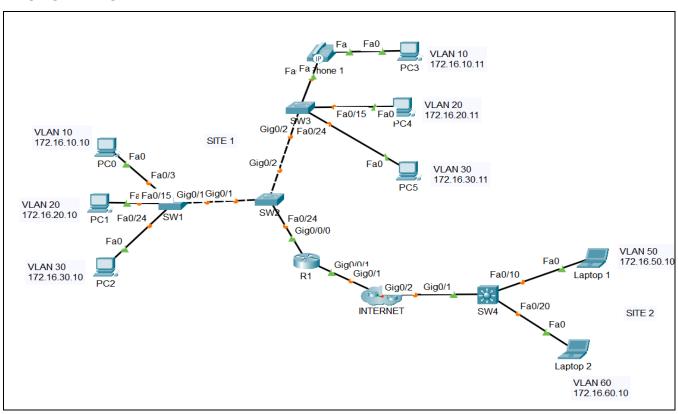
LABOLATORY ACTIVITY 4: IMPLEMENT DHCPv4



LABOLATORY ACTIVITY 5: ENSA INSTRUCTOR TRAINING



FIRST GRADING EXAM

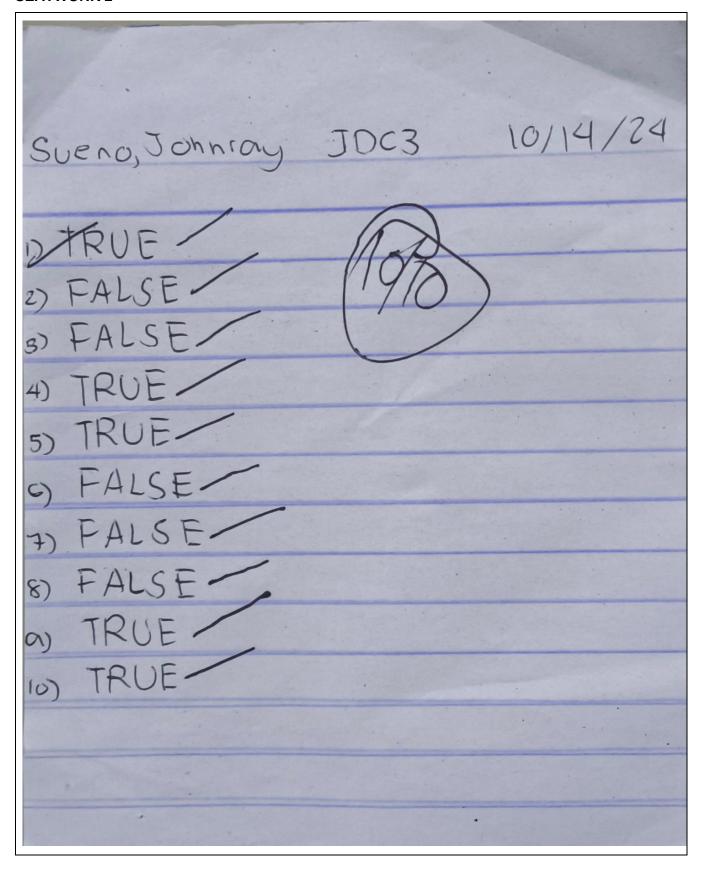


QUIZ 1

Sueno, Johnray K. JDC3	NO. DATE 10/07/24
n why are To addresses import	ant?
- Ip addresses are important beco	
	nelp in trouble shooting communication
between devices.	- 1245 12 1 24 C 2 1 2 C 2 1 2 C 2 1 2 C 2 C 2 C 2 C 2
25.0.30 par pas of the State of Sp. 501. 32	101 to 120 USC 2015 90 1104
2) JRy4 address length is 32 6	t = while JPV6 is 128 bit.
IPV4 address field consults of	
	JPV6 are alpha numerics with
8 fields separated by c	

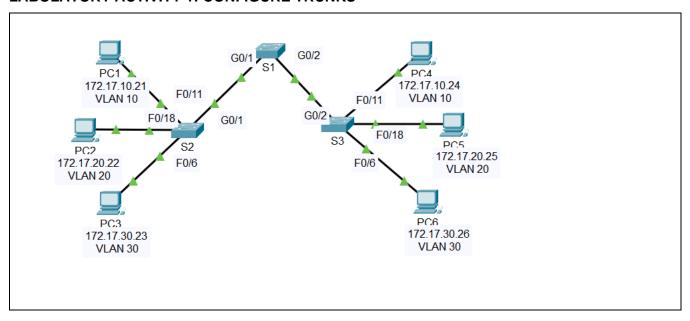
				-			
							,
13.5							
172.16	58.0.0/1	C-					
3)	20,07		TO THE REAL PROPERTY.	4			
Hames	Users	BAS borrowed	SM.	Barrier Land	NA	Range	BA
Sales	102	32-7-/25	255.255.2	55.128	172.168.0.0	172-168-0-1-	172.168.0.
Guest	52	32-6=126			172.168.0.128	172-168-0-129-	72.168.0.10
Staff	48	32-6 = 126	255.255.	255-192	172.168.0-192	172.168.0.193-	172.168.0.2
Admin	30	32-5=/27			HZ-168:1.0	172.168.1.1-	PR-168-1.3
HR	20	32-5 = 127	255. 255.	255.224	172-168-1-32		172-168.1-6
It	10	32-4=/28	255.755.	255-240	172-168-1-64	172.168.1.78	172-168-1-
			(:2 0)	1	I had to be	Contract of the second	2 30
1							
	The Control of the Co						

Suero, Johnson, K. JOC3 Hetwork Identification alfficient JO Allocation Improved Network Performance Enhanced Security Routing Efficiency Scatability upport for Multiple Hetworks 80 Onique Identification for devices at nables routing of data between networks 10x Efficient network segmentation through subnetting IPV4 is 32 bit while JPV6 is is separated by dot (.) while IPV6 is separated by colon (:)

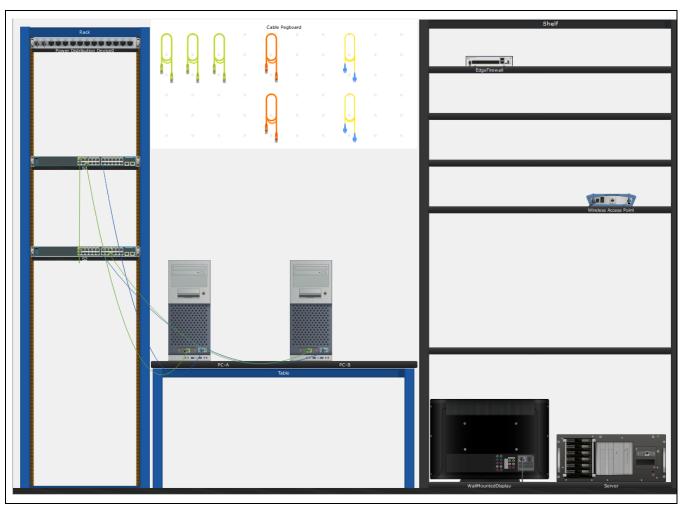


MIDTERM LABOLATORY:

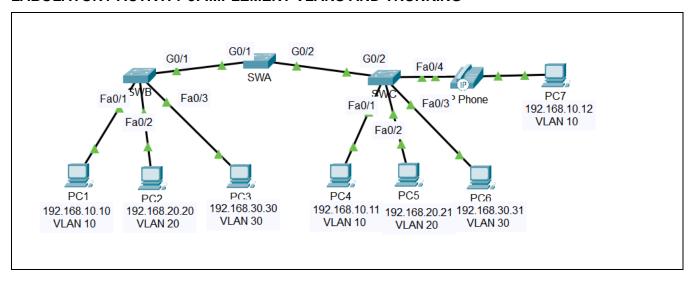
LABOLATORY ACTIVITY 1: CONFIGURE TRUNKS



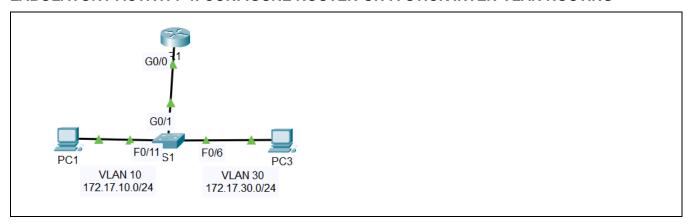
LABOLATORY ACTIVITY 2:



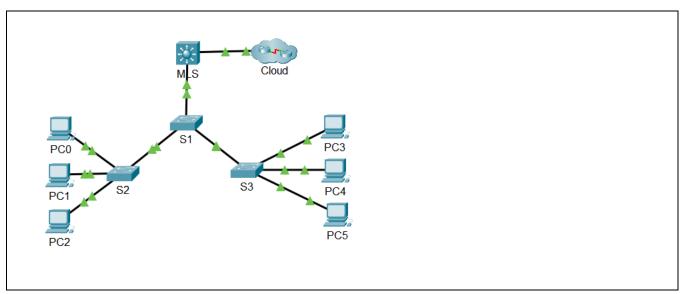
LABOLATORY ACTIVITY 3: IMPLEMENT VLANS AND TRUNKING



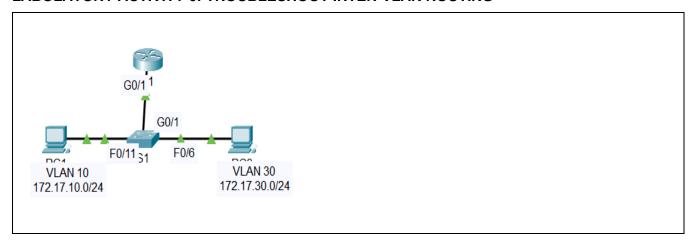
LABOLATORY ACTIVITY 4: CONFIGURE ROUTER-ON-A-STICK INTER-VLAN ROUTING



LABOLATORY ACTIVITY 5: CONFIGURE LAYER 4 SWITCHING AND INTER-VLAN ROUTING



LABOLATORY ACTIVITY 6: TROUBLESHOOT INTER-VLAN ROUTING



LABOLATORY ACTIVITY 6: DOCUMENTATION

- Test connectivity and use the necessary show commands to verify configurations.
- \cdot Verify that all configured settings match the requirements shown in the Addressing Table.
- List all of the problems and possible solutions in the Documentation Table.

Documentation Table

Problems	Solutions
The default gateway of PC3 in incorrect	Change the default gateway 172.17.10.1 to 172.17.30.1
Interface G0/1.10 is administratively down	Use the command no shutdown to interface g0/.10 to change the status to Up.
The encapsulation dot1Q in interface G0/1.10 is wrong.	First, use the command no encapsulation dot1q 30. Next, use the command encapsulation dot1q 10.
The encapsulation dot1Q in interface G0/1.30 is wrong.	First, use the command no encapsulation dot1q 10. Next, use the command encapsulation dot1q 30.
The trunking/ line protocol in interface g0/1 is down.	Use the command in interface g0/1 switchport mode trunk on S1.

Part 2: Implement the Solutions

Implement your recommended solutions.

Close configuration window

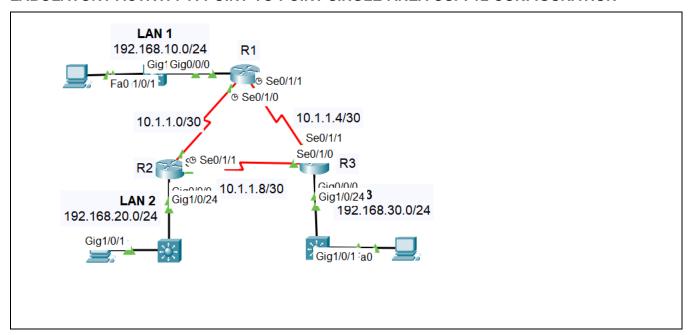
Part 3: Verify Network Connectivity

Verify the PCs can ping each other and R1. If not, continue to troubleshoot until the pings are successful.

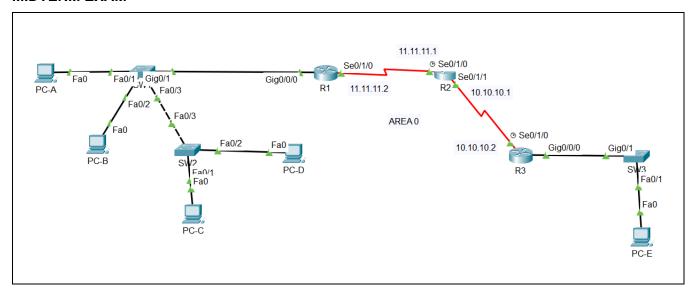


SITNET4 INSTRUCTOR: KRISTAL ANN MARCELO

LABOLATORY ACTIVITY 7: POINT-TO-POINT SINGLE-AREA OSPFv2 CONFIGURATION



MIDTERM EXAM



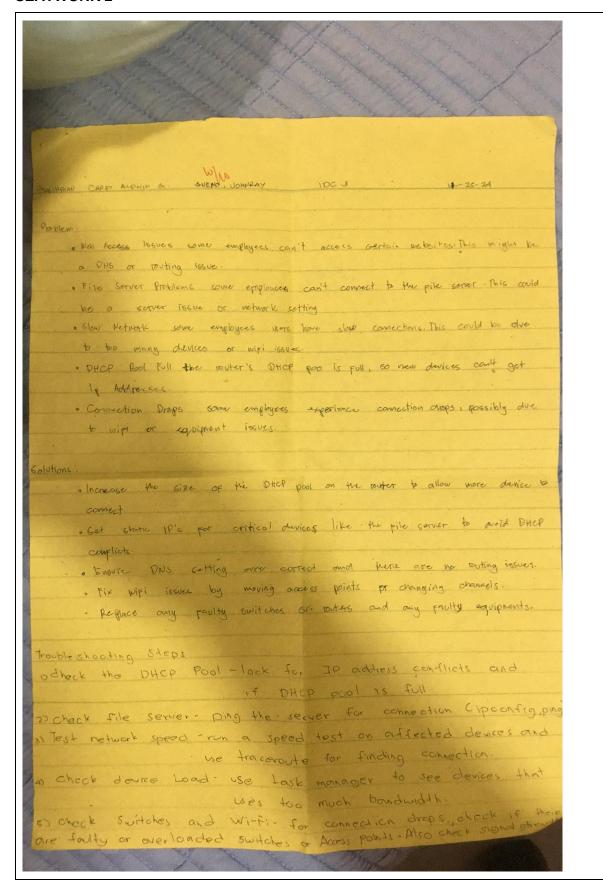
FINALS LECTURE:

QUIZ 1

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configuring	5/4 in the same of
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2) B Xc	rsc / significant and signific
3) C D X	(3) A, B
OB, E	M) D X
6) A, D, F	15) D K
o)C	16) C / X / 31 / 18 / 18 / 18 / 18 / 18 / 18 / 18
7)B,D 2	(7) C
8) D ×	18) B //
a) D X	IO) C
IOB X	20) C X

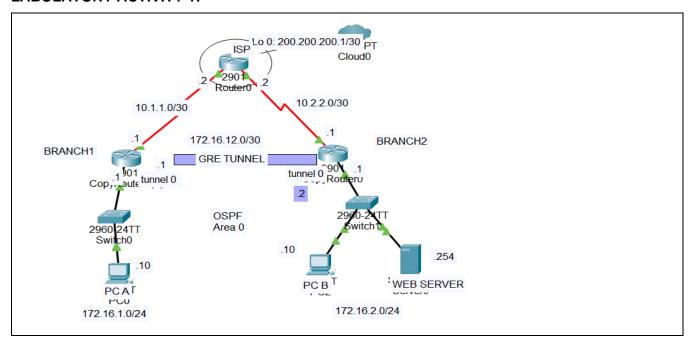
SEATWORK 1

Sueno, Johntay K.	1003	20/20	11/25/24
was discussed from	ber optics 9 AM - 12 F	and cyb	er security (fireway)
For fiber optics, the	topics dis	scussed we	ere the anatomy
signal, cladding who	to types o	f fiber of	otic, wave length
factors affecting fit	uded. The	instructor	also demonstrated
used. For the cybers	ecurity, top	ics such	as the AAA, CI
DAD triad, types of were discussed. Lautly	, the demo	s and ex	iscussed some



FINALS LABOLATORY:

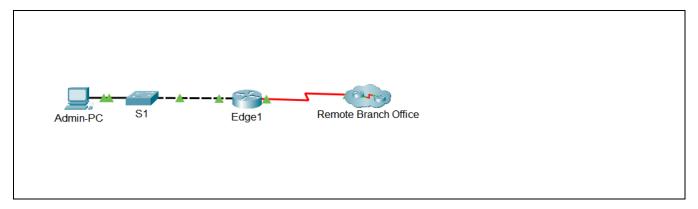
LABOLATORY ACTIVITY 1:



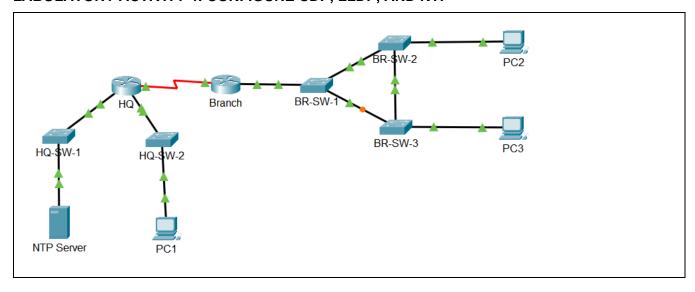
LABOLATORY ACTIVITY 2:



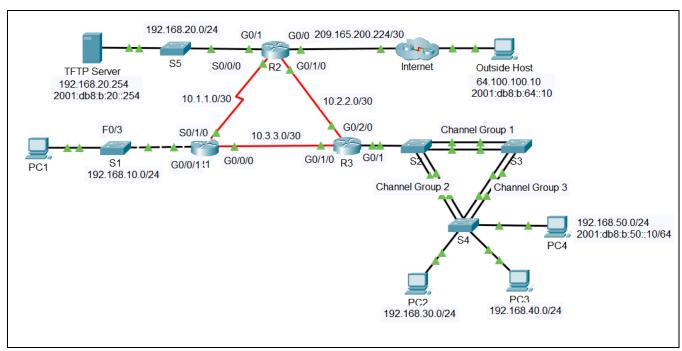
LABOLATORY ACTIVITY 3: USE CDP TO MAP A NETWORK



LABOLATORY ACTIVITY 4: CONFIGURE CDP, LLDP, AND NTP

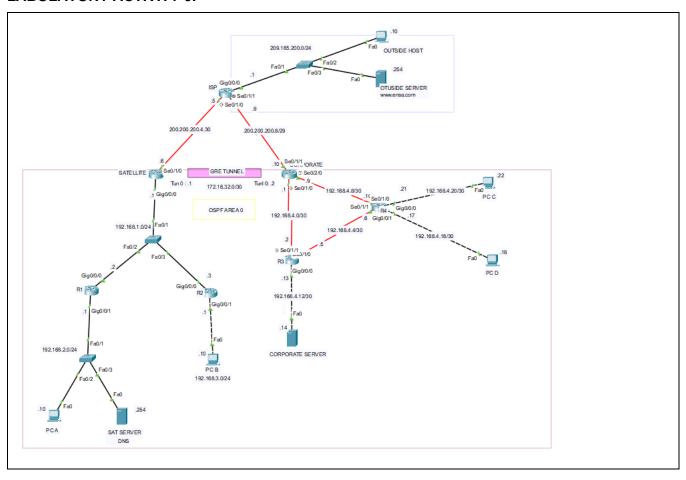


LABOLATORY ACTIVITY 5: TROUBLESHOOT ENTERPRISE NETWORK



SITNET4

LABOLATORY ACTIVITY 6:



Course Reflection

What were your initial expectations for the course? Did the course meet, exceed, or fall short of these expectations?

My initial expectation for SITNET4 was to learn the fundamental concepts of networking, such as subnetting, configurations, and DHCPv4, and to gain hands-on experience in applying these concepts. The course met these expectations by providing both theoretical knowledge and practical activities.

What were the main topics or concepts covered in the course? How did these topics contribute to your understanding of the subject matter?

The course covered subnetting, VLANs, DHCPv4, router configurations, inter-VLAN routing, Layer 4 switching, OSPFv2, and network troubleshooting. These topics helped me understand how networks are designed, implemented, and maintained, which is essential for anyone pursuing a career in IT networking.

Reflecting on your learning process, what were the most effective strategies or techniques that helped you grasp and retain the course material?

The most effective strategies for me were reviewing class notes regularly, practicing configurations in a simulated environment, and participating in group discussions to clarify doubts. These techniques helped me retain the concepts better.

Were there any particular assignments, projects, or activities that significantly enhanced your learning experience? Why were they effective?

Laboratory activities like configuring VLANs, implementing DHCPv4, and troubleshooting networks were highly effective. These activities allowed me to apply what I learned in a real-world scenario, reinforcing my understanding and problem-solving skills.

Did you encounter any challenges or difficulties during the course? How did you overcome these obstacles, and what did you learn from them?

I struggled initially with subnetting and inter-VLAN routing because they require a strong grasp of IP addressing and logical thinking. I overcame these by watching tutorials, consulting my instructor, and practicing regularly. This experience taught me the importance of persistence and seeking help when needed.

Did the course encourage critical thinking and analysis? How did it promote higher-order thinking skills, such as problem-solving or decision-making?

The course encouraged critical thinking by presenting complex scenarios that required careful analysis and decision-making, such as troubleshooting and configuring networks for specific requirements. These activities improved my problem-solving abilities and technical reasoning.

Reflecting on your personal growth, what new knowledge, skills, or perspectives did you gain from this course?

From this course, I gained a deeper understanding of networking concepts, hands-on skills in configuring and troubleshooting networks, and a better appreciation of the importance of structured planning in IT.

How do you plan to apply what you have learned in this course to your future studies, career, or personal life?

I plan to apply these skills in my future studies by tackling more advanced networking subjects confidently. For my career, these skills are crucial for roles in network administration or IT support. Personally, they will help me understand and manage any network-related issues efficiently.