

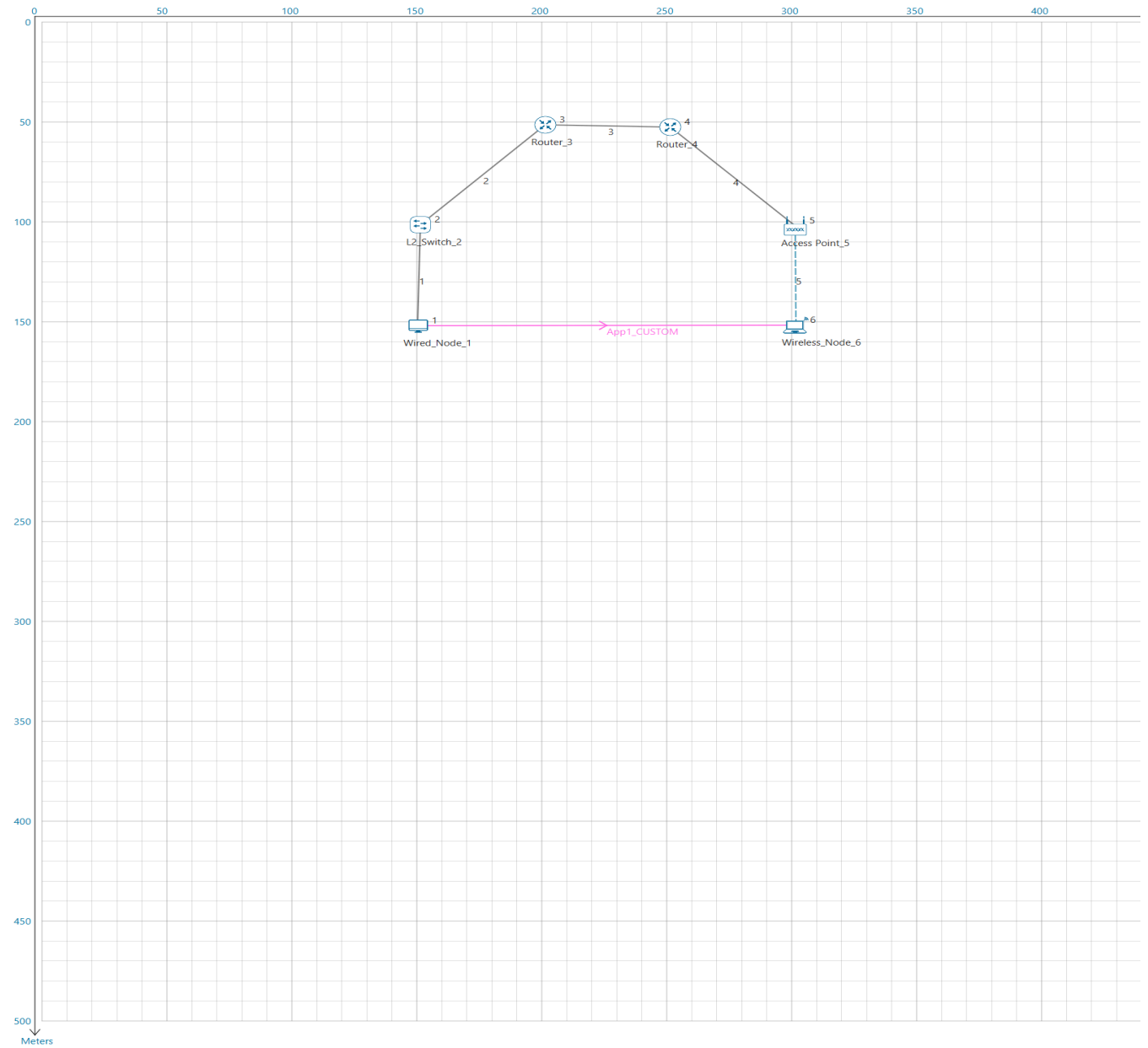
assignment_6_4

2024/09/12 20:20:25

Table Of Contents

1. [Network Scenario](#)
2. [Link_Metrics](#)
3. [Queue_Metrics](#)
4. [TCP_Metrics](#)
5. [IP_Metrics](#)
6. [IP_Forwarding_Table](#)
 - a. [WIRED_NODE_1](#)
 - b. [ROUTER_3](#)
 - c. [ROUTER_4](#)
 - d. [WIRELESS_NODE_6](#)
7. [IEEE802.11_Metrics](#)
8. [Switch Mac address table](#)
 - a. [L2_SWITCH_2](#)
9. [Application_Metrics](#)

Network Scenario



Link_Metrics

Link_id	Link_throughput_plot	Packet_transmitted		Packet_errorred		Packet_collided		Bytes_transmitted(bytes)	Payload_transmitted(bytes)	Overhead
		Data	Control	Data	Control	Data	Control			
All	NA	8471	11848	4	1	2	0	8932822	7803461	
1	NA	1697	1690	3	1	0	0	1788077	1561592	
2	NA	1694	1690	0	0	0	0	1784944	1561592	
3	NA	1694	1707	1	0	0	0	1698140	1560716	
4	NA	1693	1690	0	0	0	0	1784002	1560716	
5	NA	1693	5071	0	0	2	0	1877658	1558844	

Queue_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
3	2	1705	1705	0
4	1	1696	1696	0

TCP_Metrics

Source	Destination	Local Address	Remote Address	Syn Sent	Syn-Ack Sent	Segment Sent	Segment Received
WIRED_NODE_1	ANY_DEVICE	11.1.1.2:0	0.0.0.0:0	0	0	0	0
ROUTER_3	ANY_DEVICE	11.1.1.1:0	0.0.0.0:0	0	0	0	0
ROUTER_4	ANY_DEVICE	11.2.1.2:0	0.0.0.0:0	0	0	0	0
WIRELESS_NODE_6	ANY_DEVICE	11.3.1.2:0	0.0.0.0:0	0	0	0	0
WIRED_NODE_1	WIRELESS_NODE_6	11.1.1.2:82	11.3.1.2:36934	1	0	1692	0
WIRELESS_NODE_6	WIRED_NODE_1	11.3.1.2:36934	11.1.1.2:82	0	1	0	1690

IP_Metrics

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
1	1699	0	1687	0	0	0
3	3393	3384	8	0	0	0
4	3391	3383	9	0	0	0
6	1692	0	1693	0	0	0

IP_Forwarding_Table**WIRED_NODE_1**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.1.0.0	255.255.0.0	on-link	11.1.1.2	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.2	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.2	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.2	999	BROADCAST
0.0.0.0	0.0.0.0	11.1.1.1	11.1.1.2	999	DEFAULT

ROUTER_3

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.2.1.2	255.255.255.255	11.2.1.2	11.2.1.1	100	OSPF
11.2.0.0	255.255.0.0	on-link	11.2.1.1	300	LOCAL
11.1.0.0	255.255.0.0	on-link	11.1.1.1	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.1 11.2.1.1	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.1 11.2.1.1	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.1	999	BROADCAST

ROUTER_4

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.2.1.1	255.255.255.255	11.2.1.1	11.2.1.2	100	OSPF
11.3.0.0	255.255.0.0	on-link	11.3.1.1	300	LOCAL
11.2.0.0	255.255.0.0	on-link	11.2.1.2	300	LOCAL

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
224.0.0.1	255.255.255.255	on-link	11.2.1.2 11.3.1.1	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.2.1.2 11.3.1.1	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.3.1.1	999	BROADCAST

WIRELESS_NODE_6

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.3.0.0	255.255.0.0	on-link	11.3.1.2	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.3.1.2	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.3.1.2	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.3.1.2	999	BROADCAST
0.0.0.0	0.0.0.0	11.3.1.1	11.3.1.2	999	DEFAULT

IEEE802.11_Metrics

DeviceId	InterfaceId	Frame Sent	Frame Received	RTS Sent	RTS Received	CTS Sent	CTS Received	Successful Backoff	Failed Backoff
5	2	0	1688	0	0	0	0	0	0
5	2	1697	0	0	0	0	0	1084	0
5	2	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
6	1	0	1693	0	0	0	0	0	0
6	1	1691	0	0	0	0	0	983	0
6	1	0	0	0	0	0	0	0	0
6	1	0	0	0	0	0	0	0	0

Switch Mac address table

L2_SWITCH_2

Mac Address	Type	OutPort
AF1D00000101	Dynamic	1
AF1D00000301	Dynamic	2

Application_Metrics

Application Id	Application Name	Source Id	Destination Id	Packet generated	Packet received	Payload generated (bytes)	Payload received (b
1	App1_CUSTOM	1	6	1692	1690	1559936	155