NetSim ACADEMIC

Version 13.0.29

assignment_6_2

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Network Scenario
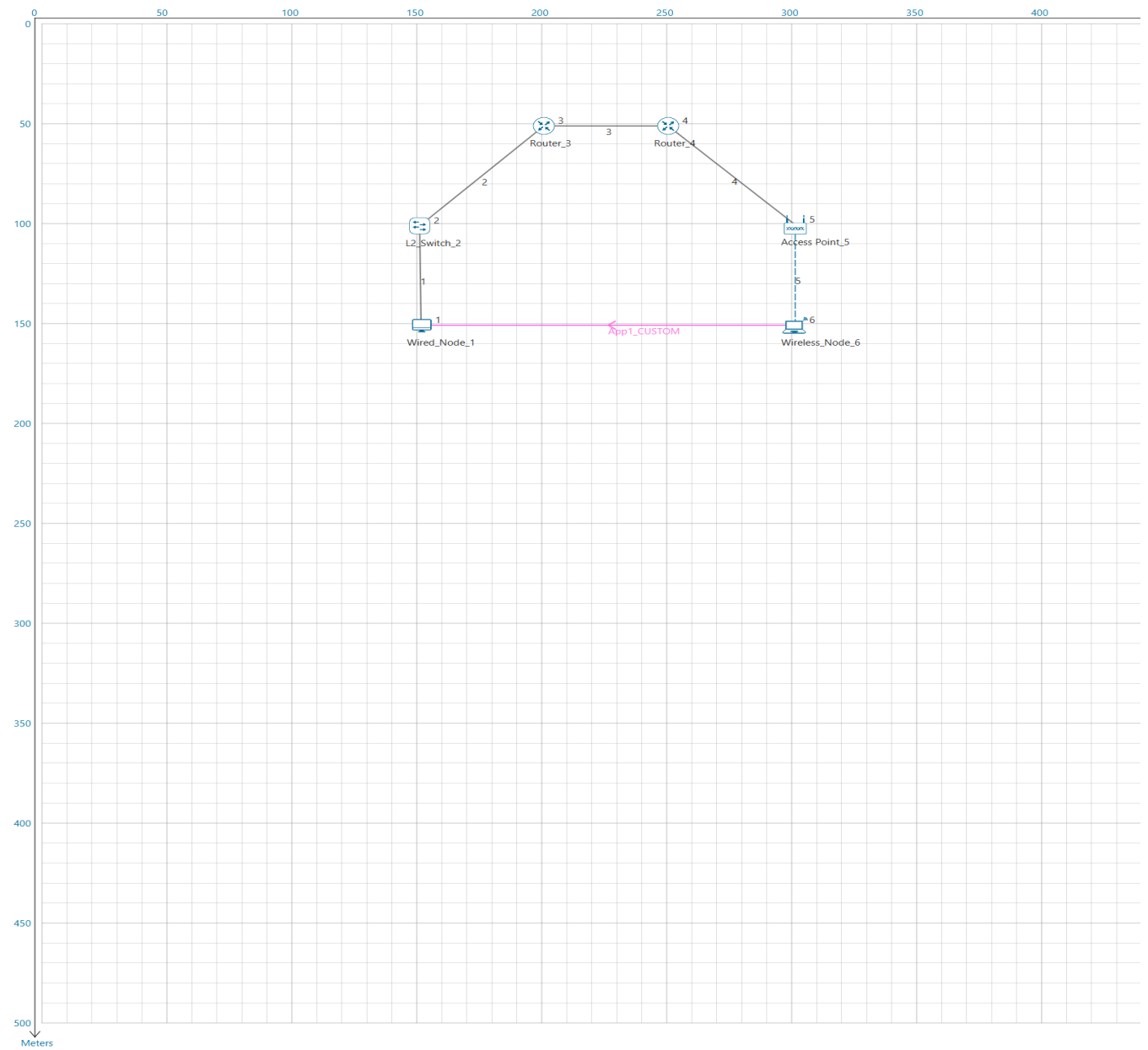
Link_Metrics

Link_id	Link_throughput_plot	Packet_transmitted		Packet_errored		Packet_collided		Bytes_transmitted(bytes)	Payload_transmitted(bytes)	Ove
		Data	Control	Data	Control	Data	Control			
All	NA	7720	10826	2	1	2	0	8145923	7116618	
1	NA	1542	1545	0	1	0	0	1626562	1422812	
2	NA	1544	1544	2	0	0	0	1627481	1422812	
3	NA	1544	1561	0	0	0	0	1548373	1423665	
4	NA	1544	1544	0	0	0	0	1627481	1423665	
5	NA	1546	4632	0	0	2	0	1716027	1423665	

Queue_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
3	2	1551	1551	0
4	1	1554	1554	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	
WIRELESS_NODE_6	WIRED_NODE_1	11.3.1.2:82	11.1.1.2:36934	1	0	1541	0	
WIRED_NODE_1	WIRELESS_NODE_6	11.1.1.2:36934	11.3.1.2:82	0	1	0	1541	

IP_Metrics

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
1	1543	0	1544	0	0	0
3	3097	3088	8	0	0	0
4	3096	3088	9	0	0	0
6	1546	0	1542	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	1546	0	0	0	0	0	0
5	2	1543	0	0	0	0	0	957	0
5	2	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
6	1	0	1542	0	0	0	0	0	0
6	1	1548	0	0	0	0	0	1048	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	6	1	1541	1541	1422332	142