

**NetSim ACADEMIC**

Version 13.0.29

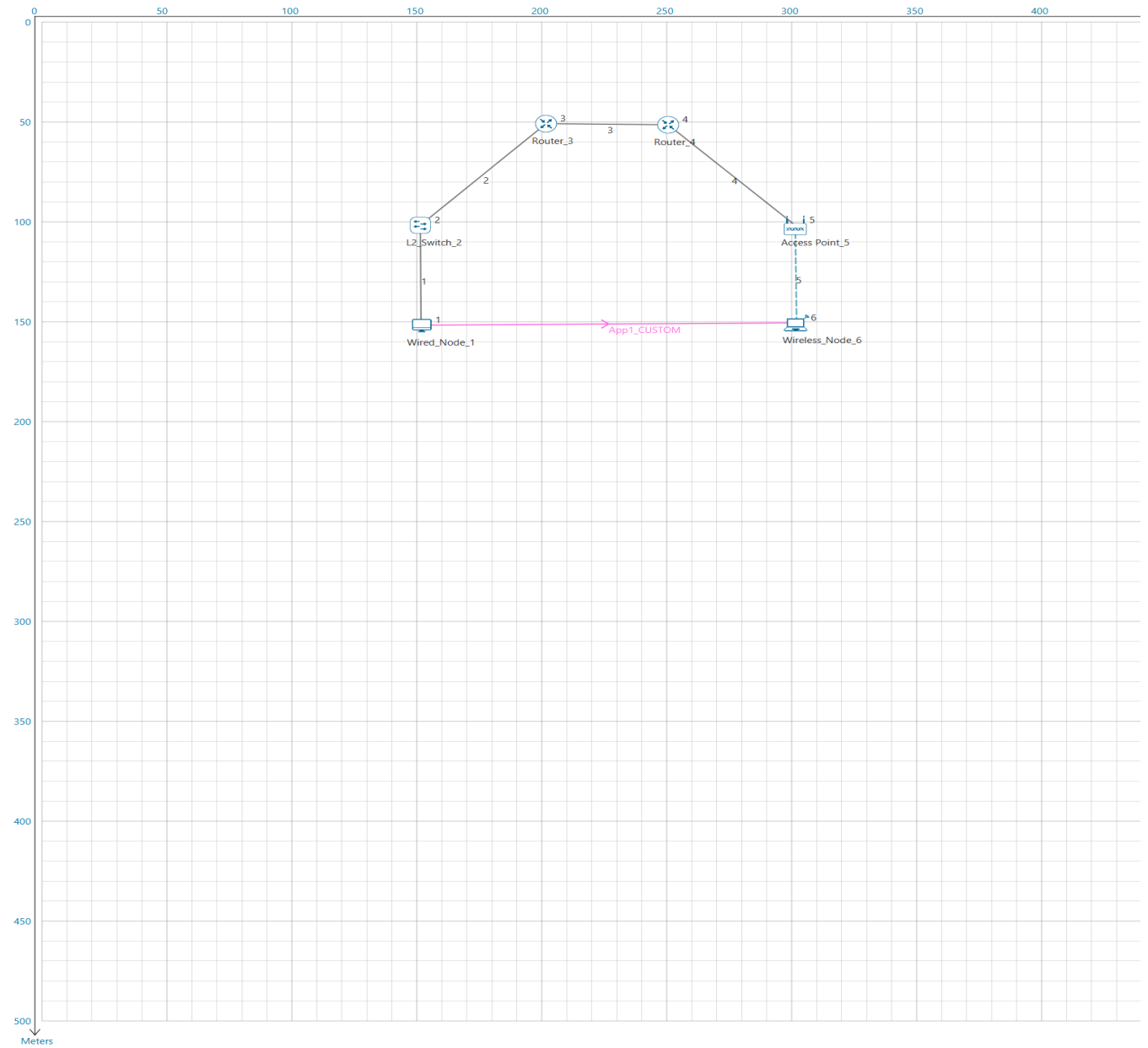
# assignment\_6\_1

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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)	Overhead
		Data	Control	Data	Control	Data	Control			
All	NA	8111	11361	7	0	4	0	8448876	7362714	
1	NA	1625	1621	2	0	0	0	1691677	1475559	
2	NA	1623	1621	1	0	0	0	1689671	1474650	
3	NA	1622	1638	3	0	0	0	1605558	1471808	
4	NA	1619	1621	1	0	0	0	1685656	1470348	
5	NA	1622	4860	0	0	4	0	1776313	1470348	

### Queue\_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
3	2	1633	1633	0
4	1	1627	1627	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	1617	0
WIRELESS_NODE_6	WIRED_NODE_1	11.3.1.2:36934	11.1.1.2:82	0	1	0	1617

**IP\_Metrics**

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
1	1627	0	1619	0	0	0
3	3252	3243	8	0	0	0
4	3248	3240	9	0	0	0
6	1619	0	1620	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	1619	0	0	0	0	0	0
5	2	1624	0	0	0	0	0	1052	0
5	2	0	0	0	0	0	0	0	0
5	2	0	0	0	0	0	0	0	0
6	1	0	1620	0	0	0	0	0	0
6	1	1622	0	0	0	0	0	966	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	1617	1617	1468937	146