

**NetSim ACADEMIC**

Version 13.0.29

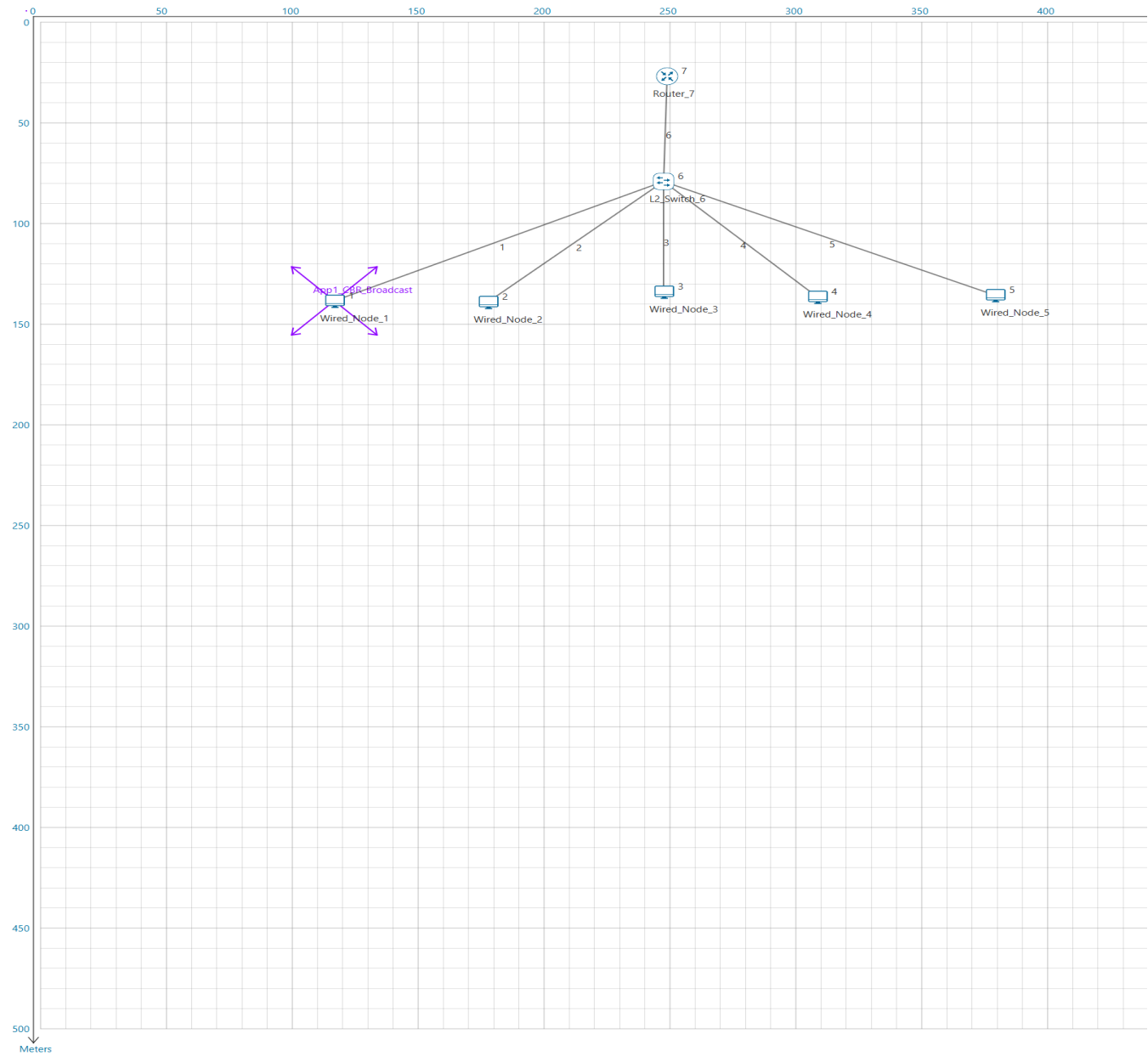
# Experiment

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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	2990	0	6	0	0	0	4530844	4356640	
1	NA	500	0	2	0	0	0	757000	727080	
2	NA	498	0	0	0	0	0	753972	727080	
3	NA	498	0	0	0	0	0	753972	727080	
4	NA	498	0	2	0	0	0	755964	724160	
5	NA	498	0	1	0	0	0	755964	725620	
6	NA	498	0	1	0	0	0	753972	725620	

Queue\_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
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**TCP\_Metrics**

Source	Destination	Local Address	Remote Address	Syn Sent	Syn-Ack Sent	Segment Sent	Segment Received	Segment Ret
WIRED_NODE_1	ANY_DEVICE	11.1.1.2:0	0.0.0.0:0	0	0	0	0	
WIRED_NODE_2	ANY_DEVICE	11.1.1.3:0	0.0.0.0:0	0	0	0	0	
WIRED_NODE_3	ANY_DEVICE	11.1.1.4:0	0.0.0.0:0	0	0	0	0	
WIRED_NODE_4	ANY_DEVICE	11.1.1.5:0	0.0.0.0:0	0	0	0	0	
WIRED_NODE_5	ANY_DEVICE	11.1.1.6:0	0.0.0.0:0	0	0	0	0	
ROUTER_7	ANY_DEVICE	11.1.1.1:0	0.0.0.0:0	0	0	0	0	

**IP\_Metrics**

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
1	500	0	0	0	0	0
2	0	0	498	0	0	0
3	0	0	498	0	0	0
4	0	0	496	0	0	0
5	0	0	497	0	0	0
7	0	0	0	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

**WIRED\_NODE\_2**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.1.0.0	255.255.0.0	on-link	11.1.1.3	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.3	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.3	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.3	999	BROADCAST
0.0.0.0	0.0.0.0	11.1.1.1	11.1.1.3	999	DEFAULT

**WIRED\_NODE\_3**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.1.0.0	255.255.0.0	on-link	11.1.1.4	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.4	306	MULTICAST

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
224.0.0.0	240.0.0.0	on-link	11.1.1.4	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.4	999	BROADCAST
0.0.0.0	0.0.0.0	11.1.1.1	11.1.1.4	999	DEFAULT

**WIRED\_NODE\_4**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.1.0.0	255.255.0.0	on-link	11.1.1.5	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.5	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.5	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.5	999	BROADCAST
0.0.0.0	0.0.0.0	11.1.1.1	11.1.1.5	999	DEFAULT

**WIRED\_NODE\_5**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.1.0.0	255.255.0.0	on-link	11.1.1.6	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.1.1.6	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.6	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.6	999	BROADCAST
0.0.0.0	0.0.0.0	11.1.1.1	11.1.1.6	999	DEFAULT

**ROUTER\_7**

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
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	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.1	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.1.1.1	999	BROADCAST

**UDP Metrics**

Device id	Local address	Foreign address	Datagram sent	Datagram received
1	11.1.1.2:82	255.255.255.255:36934	500	0
2	255.255.255.255:36934	11.1.1.2:82	0	498
3	255.255.255.255:36934	11.1.1.2:82	0	498
4	255.255.255.255:36934	11.1.1.2:82	0	496
5	255.255.255.255:36934	11.1.1.2:82	0	497

**Switch Mac address table**

**L2\_SWITCH\_6**

Mac Address	Type	OutPort
AF1D00000101	Dynamic	1
AF1D00000201	Dynamic	2
AF1D00000301	Dynamic	3
AF1D00000701	Dynamic	6

**Application\_Metrics**

Application Id	Application Name	Source Id	Destination Id	Packet generated	Packet received	Payload generated (bytes)	Payload received (b
(Aggregated)	App1_CBR	1	0	500	1989	730000	290
1	App1_CBR	1	2	500	498	730000	72
1	App1_CBR	1	3	500	498	730000	72
1	App1_CBR	1	4	500	496	730000	72
1	App1_CBR	1	5	500	497	730000	72