

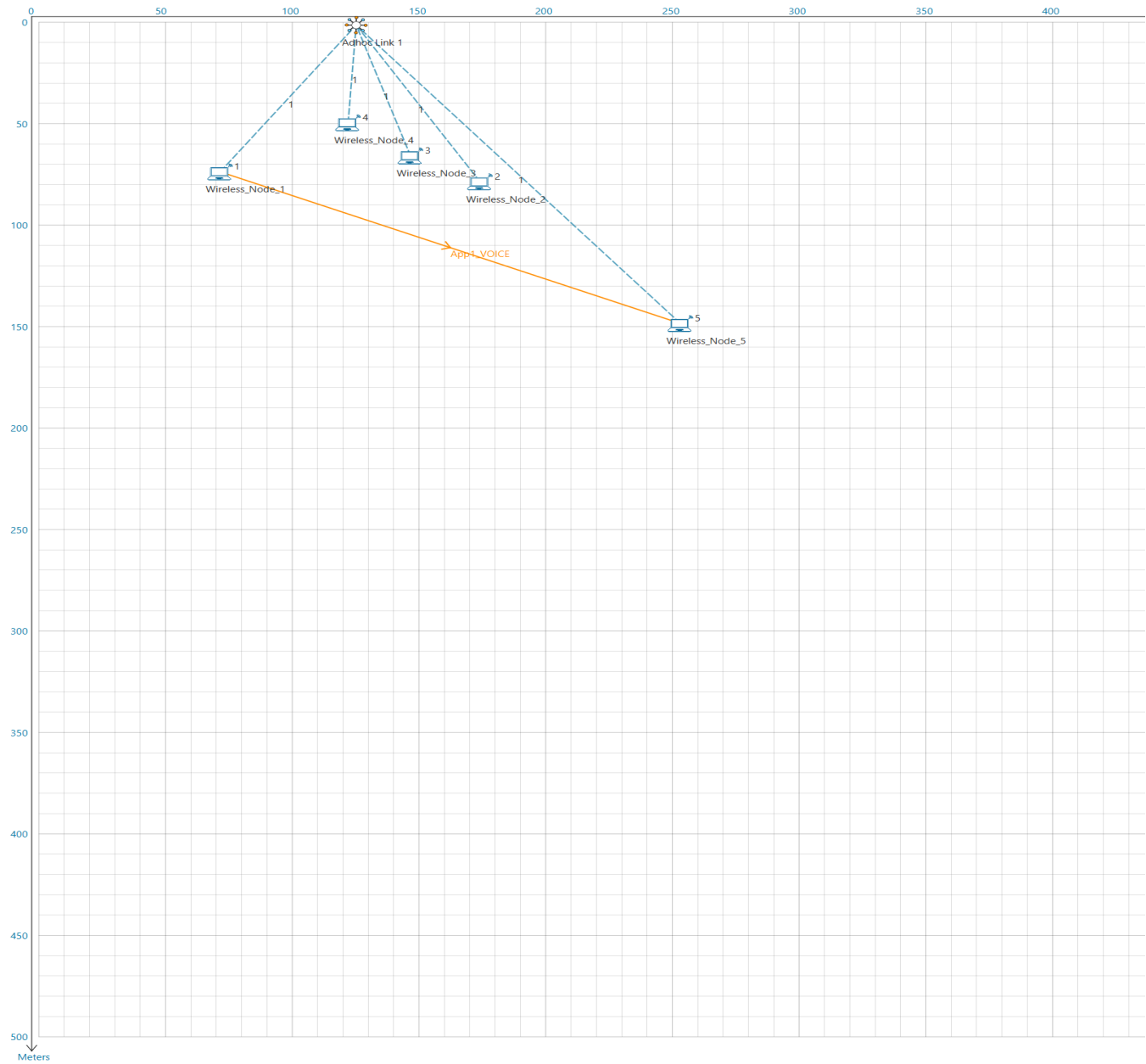
# Manet

Jun 12 2024, 00:20:12 AM

## Table Of Contents

1. [Network Scenario](#)
2. [Link\\_Metrics](#)
3. [Queue\\_Metrics](#)
4. [TCP\\_Metrics](#)
5. [IP\\_Metrics](#)
6. [IP\\_Forwarding\\_Table](#)
  - a. [WIRELESS\\_NODE\\_1](#)
  - b. [WIRELESS\\_NODE\\_2](#)
  - c. [WIRELESS\\_NODE\\_3](#)
  - d. [WIRELESS\\_NODE\\_4](#)
  - e. [WIRELESS\\_NODE\\_5](#)
7. [UDP\\_Metrics](#)
8. [DSR\\_Metrics](#)
9. [IEEE802.11\\_Metrics](#)
10. [Application\\_Metrics](#)
11. [Plots](#)
  - a. [Link\\_Throughput](#)
    - a. [Link\\_1\\_Throughput \(Bi-directional Aggregated\)](#)
  - b. [Application\\_Throughput](#)
    - a. [App1\\_VOICE\\_Throughput](#)

## Network Scenario



Link\_Metrics

Link ID	Link Throughput Plot	Packets Transmitted		Packets Errored		Packets Collided		Bytes Transmitted(bytes)	Payload Transmitted(bytes)
		Data	Control	Data	Control	Data	Control		
All	NA	4750	4756	0	0	0	0	1187873	760000
1	<a href="#">Link_throughput</a>	4750	4756	0	0	0	0	1187873	760000

Queue\_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
-----------	---------	---------------	-----------------	----------------

TCP\_Metrics

Source	Destination	Local Address	Remote Address	Syn Sent	Syn-Ack Sent	Segment Sent	Segment Received	Segment
WIRELESS_NODE_1	ANY_DEVICE	11.1.1.1:0	0.0.0.0:0	0	0	0	0	
WIRELESS_NODE_2	ANY_DEVICE	11.1.1.2:0	0.0.0.0:0	0	0	0	0	
WIRELESS_NODE_3	ANY_DEVICE	11.1.1.3:0	0.0.0.0:0	0	0	0	0	
WIRELESS_NODE_4	ANY_DEVICE	11.1.1.4:0	0.0.0.0:0	0	0	0	0	
WIRELESS_NODE_5	ANY_DEVICE	11.1.1.5:0	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	4751	0	0	0	0	0
2	0	0	0	0	1	0
3	0	0	0	0	1	0
4	0	0	0	0	1	0
5	1	0	4750	0	0	0

IP\_Forwarding\_Table

WIRELESS\_NODE\_1

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

WIRELESS\_NODE\_2

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

WIRELESS\_NODE\_3

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

## WIRELESS\_NODE\_4

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
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

## WIRELESS\_NODE\_5

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

## UDP Metrics

Device id	Local address	Foreign address	Datagram sent	Datagram received
1	11.1.1.1:82	11.1.1.5:36934	4750	0
5	11.1.1.5:36934	11.1.1.1:82	0	4750

## DSR Metrics

Device Id	RREQ Sent	RREP Sent	RERR Sent	RREQ Forwarded	RREP Forwarded	RERR Forwarded	Route Break	Packet Originated	P
1	1	0	0	0	0	0	0	4750	
2	0	0	0	1	0	0	0	0	
3	0	0	0	1	0	0	0	0	
4	0	0	0	1	0	0	0	0	
5	0	1	0	0	0	0	0	0	

## IEEE802.11\_Metrics

DeviceId	InterfaceId	Frame Sent	Frame Received	RTS Sent	RTS Received	CTS Sent	CTS Received	Successful Backoff	Failed Backoff
1	1	0	1	0	0	0	0	0	0
1	1	1	0	0	0	0	0	1	0
1	1	4750	0	0	0	0	0	4750	0
1	1	0	0	0	0	0	0	0	0
2	1	0	1	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0
3	1	0	1	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0

DeviceId	InterfaceId	Frame Sent	Frame Received	RTS Sent	RTS Received	CTS Sent	CTS Received	Successful Backoff	Failed Backoff
3	1	0	0	0	0	0	0	0	0
3	1	0	0	0	0	0	0	0	0
4	1	0	1	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0
4	1	0	0	0	0	0	0	0	0
5	1	0	4751	0	0	0	0	0	0
5	1	1	0	0	0	0	0	1	0
5	1	0	0	0	0	0	0	0	0
5	1	0	0	0	0	0	0	0	0

Application\_Metrics

Application ID	Throughput Plot	Application Name	Source ID	Destination ID	Packets Generated	Packets Received	Pay
1	<a href="#">Application_Throughput_plot</a>	App1_VOICE	1	5	4750	4750	