

NetSim ACAD

Version 13.0.29

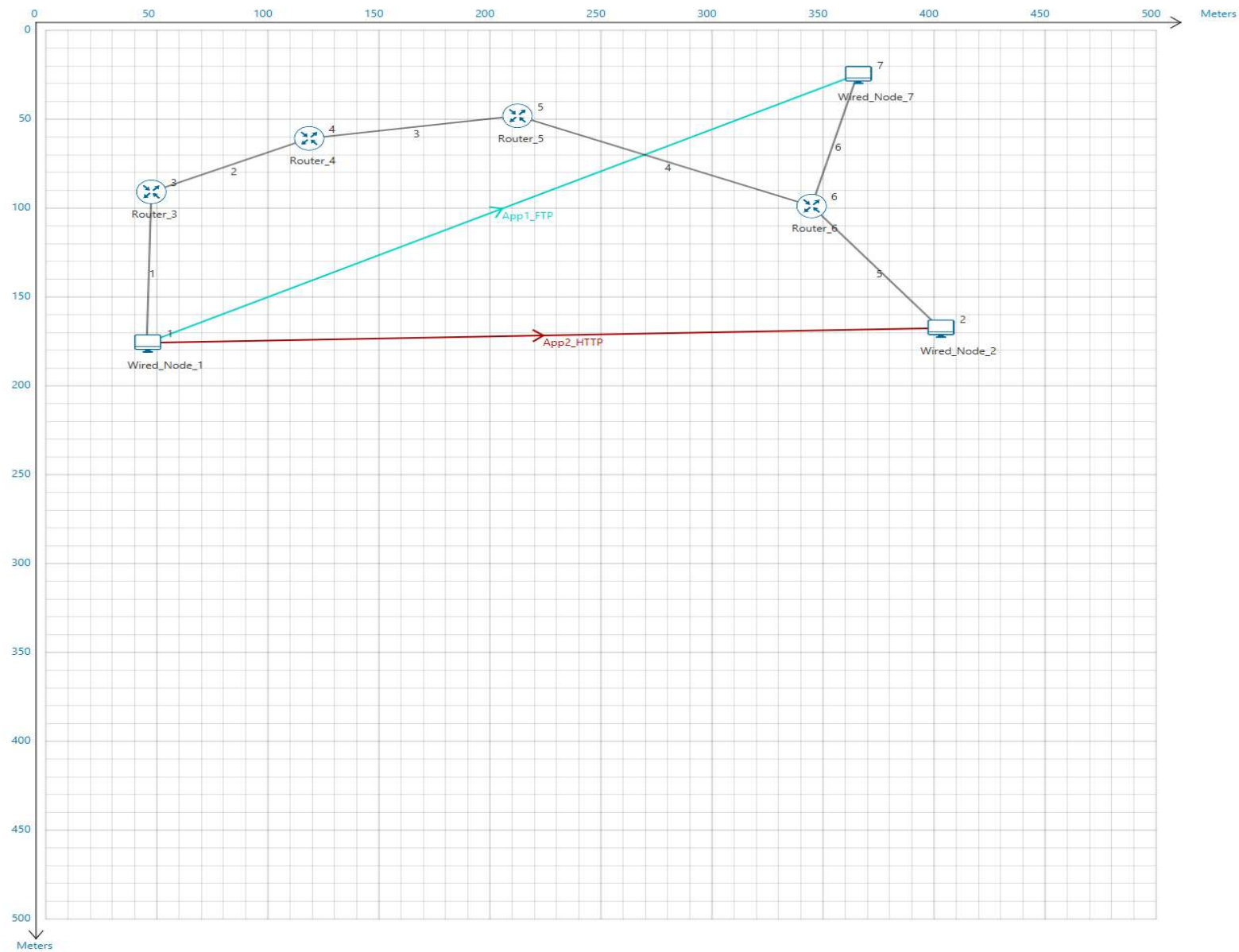
Assign_1

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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_transmitted(bytes)
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Link_id	Link_throughput_plot	Data	Control	Data	Control	Data	Control	Bytes_transmitted(bytes)	Payload_transmitted(bytes)	Overhead_transmitted(bytes)
All	NA	3849 Data	4398 Control	6 Data	0 Control	0 Data	0 Control	5978234	5550780	427454
1	NA	772	865	1	0	0	0	1223278	1113660	109618
2	NA	771	889	1	0	0	0	1181312	1112200	69112
3	NA	770	891	2	0	0	0	1179856	1109280	70576
4	NA	768	889	0	0	0	0	1176684	1109280	67404
5	NA	60	88	0	0	0	0	92800	83000	9800
6	NA	708	776	2	0	0	0	1124304	1023360	100944

Queue_Metrics

Device_id	Port_id	Queued_packet	Dequeued_packet	Dropped_packet
3	2	839	839	0
4	1	821	821	0
4	2	840	840	0
5	1	821	821	0
5	2	837	837	0
6	1	820	820	0

TCP_Metrics

Source	Destination	Local Address	Remote Address	Syn Sent	Syn-Ack Sent	Segment Sent	Segment Received	Segment Retransmitted	Ack Sent	Ack Received	Duplicate
WIRED_NODE_1	ANY_DEVICE	11.1.1.2:0	0.0.0.0:0	0	0	0	0	0	0	0	
WIRED_NODE_2	ANY_DEVICE	11.5.1.2:0	0.0.0.0:0	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	0	0	0	
ROUTER_4	ANY_DEVICE	11.2.1.1:0	0.0.0.0:0	0	0	0	0	0	0	0	
ROUTER_5	ANY_DEVICE	11.3.1.2:0	0.0.0.0:0	0	0	0	0	0	0	0	
ROUTER_6	ANY_DEVICE	11.4.1.2:0	0.0.0.0:0	0	0	0	0	0	0	0	
WIRED_NODE_7	ANY_DEVICE	11.6.1.2:0	0.0.0.0:0	0	0	0	0	0	0	0	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:82	11.6.1.2:36934	2	0	69	1	2	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:36934	11.1.1.2:82	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:38338	11.6.1.2:31448	1	0	69	1	9	2	78	

Source	Destination	Local Address	Remote Address	Syn Sent	Syn-Ack Sent	Segment Sent	Segment Received	Segment Retransmitted	Ack Sent	Ack Received	Duplicate
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:31448	11.1.1.2:38338	0	1	0	70	0	78	1	
WIRED_NODE_1	WIRED_NODE_2	11.1.1.2:53000	11.5.1.2:12668	1	0	1	15	0	16	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:22956	11.6.1.2:58716	1	0	69	1	0	2	70	
WIRED_NODE_2	WIRED_NODE_1	11.5.1.2:12668	11.1.1.2:53000	0	1	14	2	0	2	16	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:58716	11.1.1.2:22956	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:53924	11.6.1.2:48928	1	0	69	1	0	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:48928	11.1.1.2:53924	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:46562	11.6.1.2:33654	1	0	69	1	0	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:33654	11.1.1.2:46562	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_2	11.1.1.2:56290	11.5.1.2:11410	1	0	1	15	0	16	1	
WIRED_NODE_2	WIRED_NODE_1	11.5.1.2:11410	11.1.1.2:56290	0	1	14	2	0	2	16	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:19922	11.6.1.2:982	1	0	69	1	1	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:982	11.1.1.2:19922	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:9654	11.6.1.2:10872	1	0	69	1	1	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:10872	11.1.1.2:9654	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_2	11.1.1.2:23884	11.5.1.2:5990	1	0	1	15	0	16	1	
WIRED_NODE_2	WIRED_NODE_1	11.5.1.2:5990	11.1.1.2:23884	0	1	14	2	0	2	16	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:64782	11.6.1.2:29208	1	0	69	1	0	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:29208	11.1.1.2:64782	0	1	0	70	0	70	1	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:584	11.6.1.2:24764	1	0	69	1	9	2	78	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:24764	11.1.1.2:584	0	1	0	70	0	78	1	
WIRED_NODE_1	WIRED_NODE_2	11.1.1.2:306	11.5.1.2:7804	1	0	1	15	0	16	1	
WIRED_NODE_2	WIRED_NODE_1	11.5.1.2:7804	11.1.1.2:306	0	1	14	2	0	2	16	
WIRED_NODE_1	WIRED_NODE_7	11.1.1.2:34842	11.6.1.2:37432	1	0	69	1	0	2	70	
WIRED_NODE_7	WIRED_NODE_1	11.6.1.2:37432	11.1.1.2:34842	0	1	0	70	0	70	1	

IP_Metrics

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
1	829	0	808	0	0	0
2	72	0	76	0	0	0
3	1647	1636	13	1	0	0

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
4	1661	1634	25	0	0	0
5	1658	1632	26	0	0	0
6	1644	1632	13	0	0	0
7	736	0	746	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
11.5.0.0	255.255.0.0	on-link	11.5.1.2	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.5.1.2	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.5.1.2	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.5.1.2	999	BROADCAST
0.0.0.0	0.0.0.0	11.5.1.1	11.5.1.2	999	DEFAULT

ROUTER_3

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
11.3.1.1	255.255.255.255	11.2.1.1	11.2.1.2	100	OSPF

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.3.1.2	255.255.255.255	11.2.1.1	11.2.1.2	200	OSPF
11.4.1.1	255.255.255.255	11.2.1.1	11.2.1.2	200	OSPF
11.2.0.0	255.255.0.0	on-link	11.2.1.2	300	LOCAL
11.1.0.0	255.255.0.0	on-link	11.1.1.1	300	LOCAL
11.4.1.2	255.255.255.255	11.2.1.1	11.2.1.2	300	OSPF
224.0.0.1	255.255.255.255	on-link	11.1.1.1 11.2.1.2	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.1.1.1 11.2.1.2	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
11.2.1.2	255.255.255.255	11.2.1.2	11.2.1.1	100	OSPF
11.3.1.2	255.255.255.255	11.3.1.2	11.3.1.1	100	OSPF
11.4.1.1	255.255.255.255	11.3.1.2	11.3.1.1	100	OSPF
11.4.1.2	255.255.255.255	11.3.1.2	11.3.1.1	200	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	11.2.1.1	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.2.1.1 11.3.1.1	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.2.1.1 11.3.1.1	306	MULTICAST

ROUTER_5

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.2.1.1	255.255.255.255	11.3.1.1	11.3.1.2	100	OSPF
11.3.1.1	255.255.255.255	11.3.1.1	11.3.1.2	100	OSPF
11.4.1.2	255.255.255.255	11.4.1.2	11.4.1.1	100	OSPF
11.2.1.2	255.255.255.255	11.3.1.1	11.3.1.2	200	OSPF
11.4.0.0	255.255.0.0	on-link	11.4.1.1	300	LOCAL
11.3.0.0	255.255.0.0	on-link	11.3.1.2	300	LOCAL

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
224.0.0.1	255.255.255.255	on-link	11.3.1.2 11.4.1.1	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.3.1.2 11.4.1.1	306	MULTICAST

ROUTER_6

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.3.1.2	255.255.255.255	11.4.1.1	11.4.1.2	100	OSPF
11.4.1.1	255.255.255.255	11.4.1.1	11.4.1.2	100	OSPF
11.2.1.1	255.255.255.255	11.4.1.1	11.4.1.2	200	OSPF
11.3.1.1	255.255.255.255	11.4.1.1	11.4.1.2	200	OSPF
11.6.0.0	255.255.0.0	on-link	11.6.1.1	300	LOCAL
11.5.0.0	255.255.0.0	on-link	11.5.1.1	300	LOCAL
11.4.0.0	255.255.0.0	on-link	11.4.1.2	300	LOCAL
11.2.1.2	255.255.255.255	11.4.1.1	11.4.1.2	300	OSPF
224.0.0.1	255.255.255.255	on-link	11.4.1.2 11.5.1.1 11.6.1.1	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.4.1.2 11.5.1.1 11.6.1.1	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.6.1.1	999	BROADCAST
255.255.255.255	255.255.255.255	on-link	11.5.1.1	999	BROADCAST

WIRED_NODE_7

Network Destination	Netmask/Prefix len	Gateway	Interface	Metrics	Type
11.6.0.0	255.255.0.0	on-link	11.6.1.2	300	LOCAL
224.0.0.1	255.255.255.255	on-link	11.6.1.2	306	MULTICAST
224.0.0.0	240.0.0.0	on-link	11.6.1.2	306	MULTICAST
255.255.255.255	255.255.255.255	on-link	11.6.1.2	999	BROADCAST
0.0.0.0	0.0.0.0	11.6.1.1	11.6.1.2	999	DEFAULT

Application_Metrics

Application Id	Application Name	Source Id	Destination Id	Packet generated	Packet received	Payload generated (bytes)	Payload received (bytes)	Throughput (Mbps)	Delay(microsec)	Jitter(m
1	App1_FTP	1	7	690	690	1000000	1000000	0.174437	599672.966598	24876
2	App2_HTTP	1	2	4	4	3000	3000	0.000587	219549.570000	149195
2	App2_HTTP	2	1	56	56	80000	80000	0.015559	227987.711429	45873