

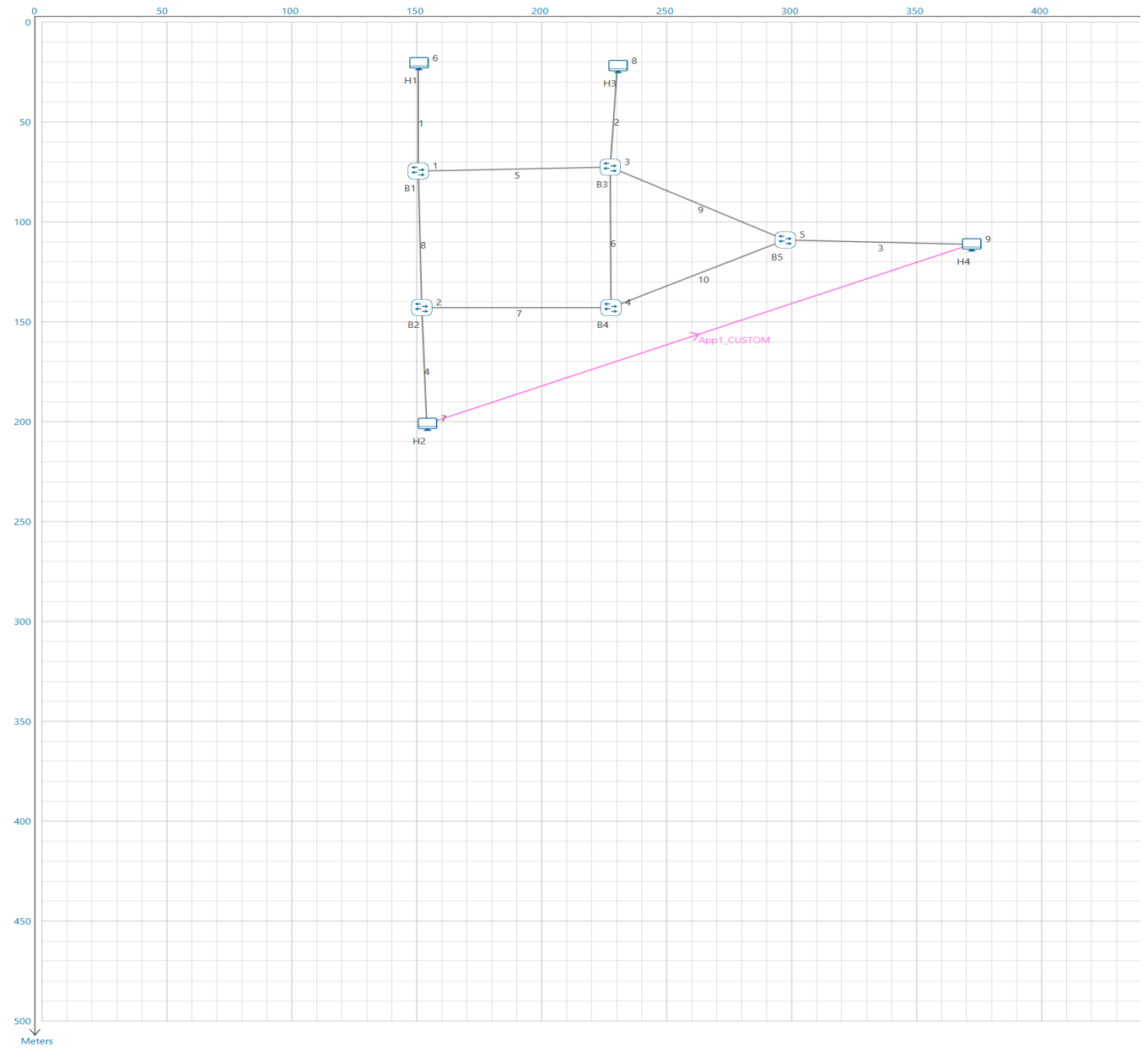
assignment_7_1

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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	47739	47622	46	7	0	0	54032752	47693000	
1	NA	0	1	0	0	0	0	70	0	
2	NA	0	1	0	0	0	0	70	0	
3	NA	9527	9523	7	3	0	0	10784308	9520000	
4	NA	9566	9517	6	1	0	0	10825486	9560000	
5	NA	9549	9521	12	0	0	0	10807616	9537000	
6	NA	0	5	0	0	0	0	310	0	
7	NA	0	4	0	0	0	0	240	0	
8	NA	9560	9521	11	2	0	0	10819342	9549000	
9	NA	9537	9523	10	1	0	0	10794950	9527000	
10	NA	0	6	0	0	0	0	360	0	

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 Retransmitted
H1	ANY_DEVICE	11.1.1.4:0	0.0.0.0:0	0	0	0	0	0
H2	ANY_DEVICE	11.1.1.3:0	0.0.0.0:0	0	0	0	0	0
H3	ANY_DEVICE	11.1.1.2:0	0.0.0.0:0	0	0	0	0	0
H4	ANY_DEVICE	11.1.1.1:0	0.0.0.0:0	0	0	0	0	0
H2	H4	11.1.1.3:82	11.1.1.1:36934	1	0	9447	0	119
H4	H2	11.1.1.1:36934	11.1.1.3:82	0	1	0	9445	0

IP_Metrics

Device Id	Packet sent	Packet forwarded	Packet received	Packet discarded	TTL expired	Firewall blocked
6	0	0	0	0	0	0
7	9568	0	9514	0	0	0
8	0	0	0	0	0	0
9	9521	0	9522	0	0	0

IP_Forwarding_Table**H1**

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

H2

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

H3

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

H4

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

Switch Mac address table**B1**

Mac Address	Type	OutPort
AF1D00000601	Dynamic	1
AF1D00000302	Dynamic	2
AF1D00000203	Dynamic	3
AF1D00000701	Dynamic	3
AF1D00000901	Dynamic	2

B2

Mac Address	Type	OutPort
AF1D00000701	Dynamic	1
AF1D00000402	Dynamic	2
AF1D00000103	Dynamic	3
AF1D00000901	Dynamic	3

B3

Mac Address	Type	OutPort
AF1D00000801	Dynamic	1
AF1D00000102	Dynamic	2
AF1D00000401	Dynamic	3
AF1D00000502	Dynamic	4
AF1D00000701	Dynamic	2
AF1D00000901	Dynamic	4

B4

Mac Address	Type	OutPort
AF1D00000303	Dynamic	1
AF1D00000202	Dynamic	2
AF1D00000503	Dynamic	3
AF1D00000701	Dynamic	1

B5

Mac Address	Type	OutPort
AF1D00000901	Dynamic	1
AF1D00000304	Dynamic	2
AF1D00000403	Dynamic	3
AF1D00000701	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	7	9	11250	9415	11250000	941