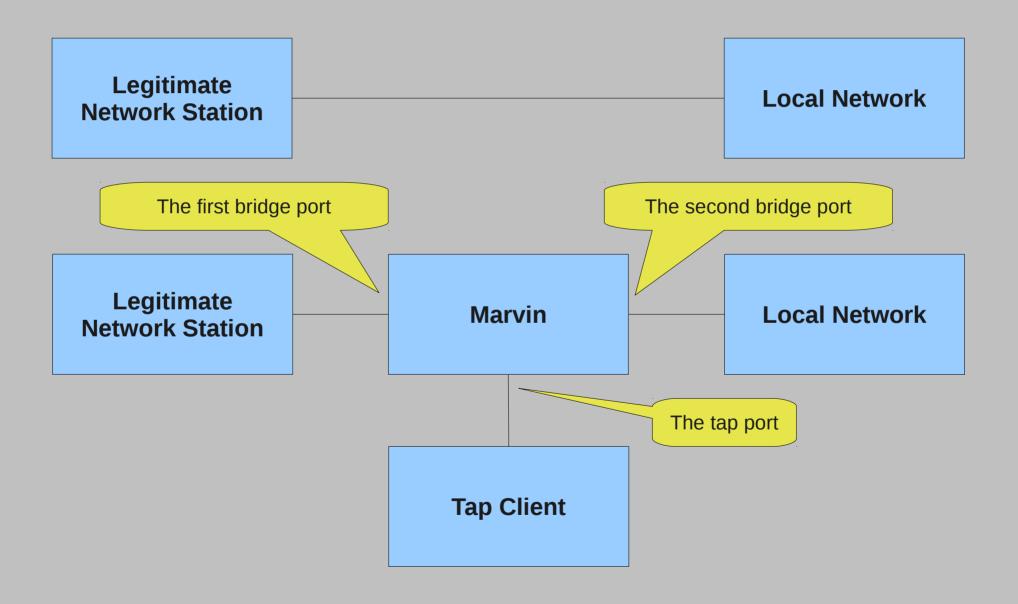
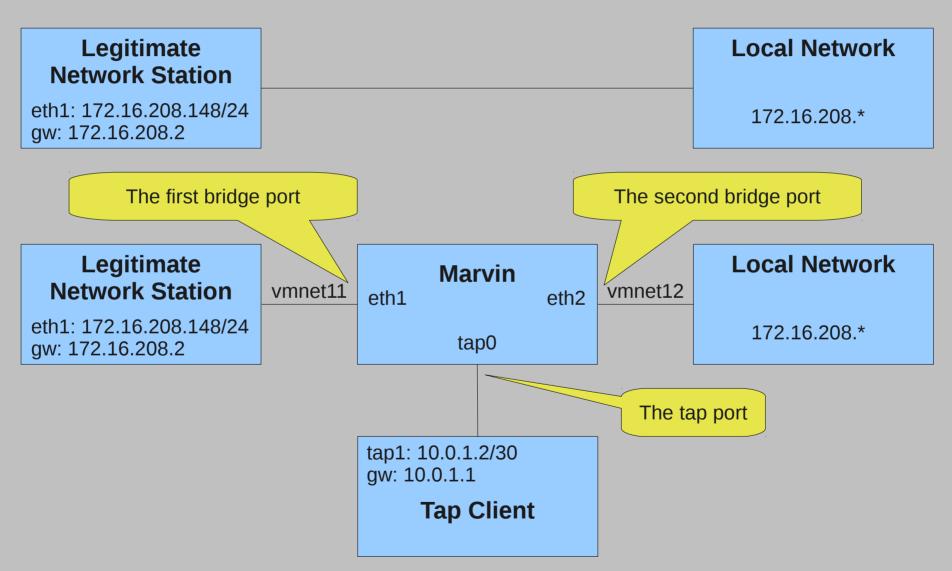
MARVIN

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Links, Before and After Tapping



IP Addressing, Before and After Tapping



The Main Screen

BRIF1, the fi	rst bridge interface		eth1	•	Rescan interfaces				
RRIF2 the s	econd bridge interface	eth2	_						
DKII 2, CIIC 3	ccond bridge meeriace								
TAPIF, the network interface the tap client(s) are connected to tap0									
MAC and IP	address of default gateway	used by the tag	p client(s)						
MACr									
Masquerade	tap traffic towards BRIF1 0.	. Use the follow	ing source M.	AC and ID a	ddraecae				
	•	. ose the rollon	ing source in	AC allu IF a	uuresses.				
BRIF1.SMAC		BRIF1.SADDR	172.16.208		Select				
	00:50:56:e1:1a:31	BRIF1.SADDR	172.16.208	.2	Select				
BRIF1.SMAC Masquerade BRIF2.SMAC	00:50:56:e1:1a:31 tap traffic towards BRIF2 0	BRIF1.SADDR	172.16.208	AC and IP a	Select				
Masquerade	00:50:56:e1:1a:31 tap traffic towards BRIF2 0	BRIF1.SADDR	172.16.208	AC and IP a	Select ddresses:				
Masquerade BRIF2.SMAC	00:50:56:e1:1a:31 tap traffic towards BRIF2 0	BRIF1.SADDR . Use the follow BRIF2.SADDR	172.16.208 ving source M. 172.16.208	AC and IP a	Select ddresses: Select				
Masquerade BRIF2.SMAC BR.GATEWA	00:50:56:e1:1a:31 tap traffic towards BRIF2 0. 00:0c:29:90:9d:39	BRIF1.SADDR . Use the follow BRIF2.SADDR gateway on the	172.16.208 ving source M. 172.16.208	.2 AC and IP a	Select Select 08.2				

Marvin's Appearance

- The stations connected to the bridged links don't see Marvin at all. It acts as a transparent Ethernet link.
- Tap clients (hosts connected the tap interface) see Marvin as a NAT box. Marvin masquerades source IP and MAC addresses of the packets sent by the tap clients and injects them into the bridged link.

Address Masquerading

- Tap client (10.0.1.2) pings the legitimate client (172.16.208.148)
- Marvin translates the source IP address of a tap client (10.0.1.2) into IP address of the default gateway (172.16.208.2)

Number of conversations 4 Refresh									
Prot	. igSource	igDestination	egSource	egDestination	Expire				
1	172.16.208.148:15639	192.168.1.1:15639	172.16.208.148:15639	192.168.1.1:15639	5722				
1	172.16.208.146:21014	172.16.208.148:21014	172.16.208.146:21014	172.16.208.148:21014	29615				
1	10.0.1.2:47895	192.168.1.1:47895	172.16.208.148:47895	192.168.1.1:47895	29742				
1	10.0.1.2:50199	172.16.208.148:50199	172 16 208 2:50100	172.16.208.148:50199	29942				

That's all for now ...