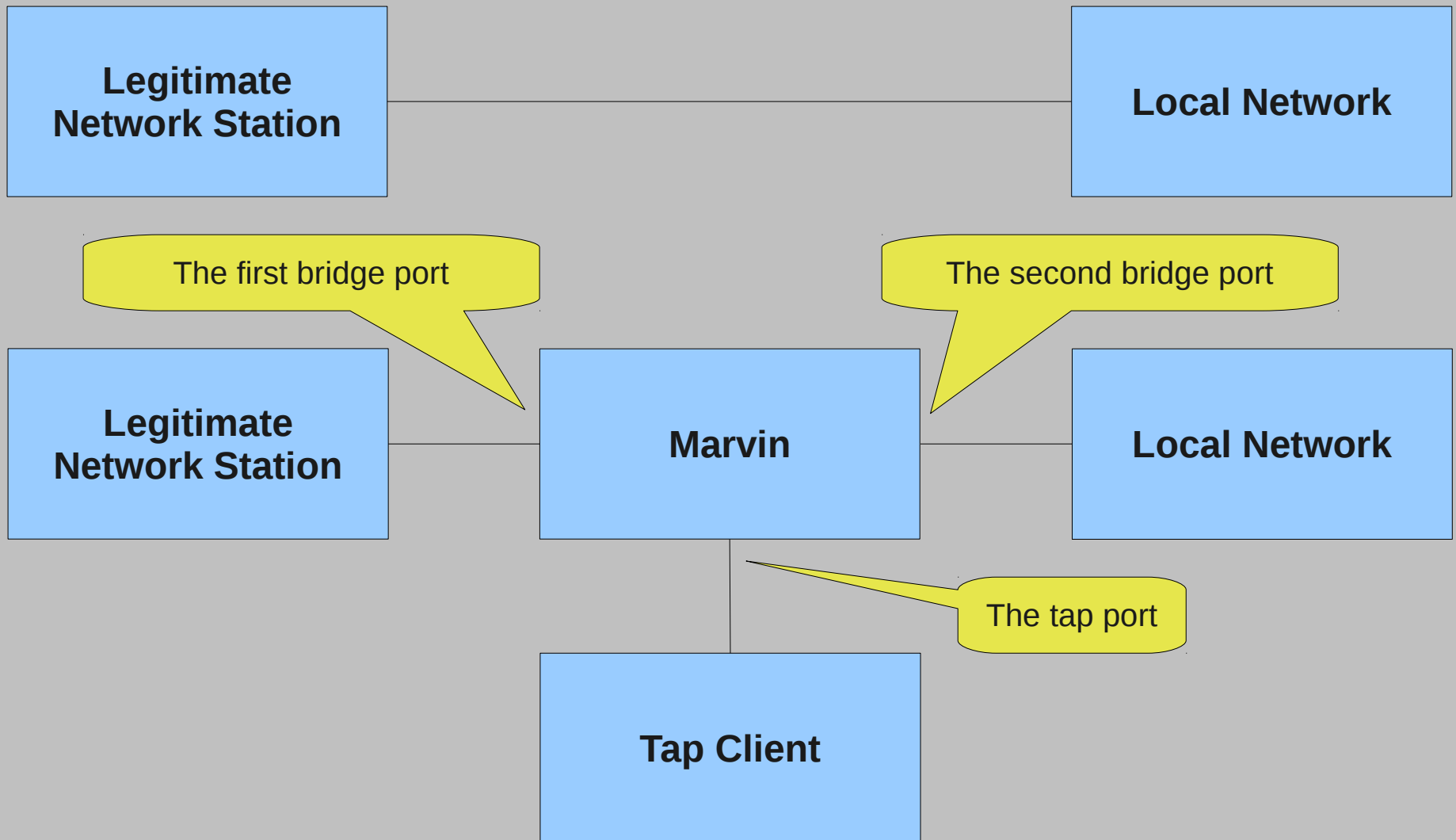
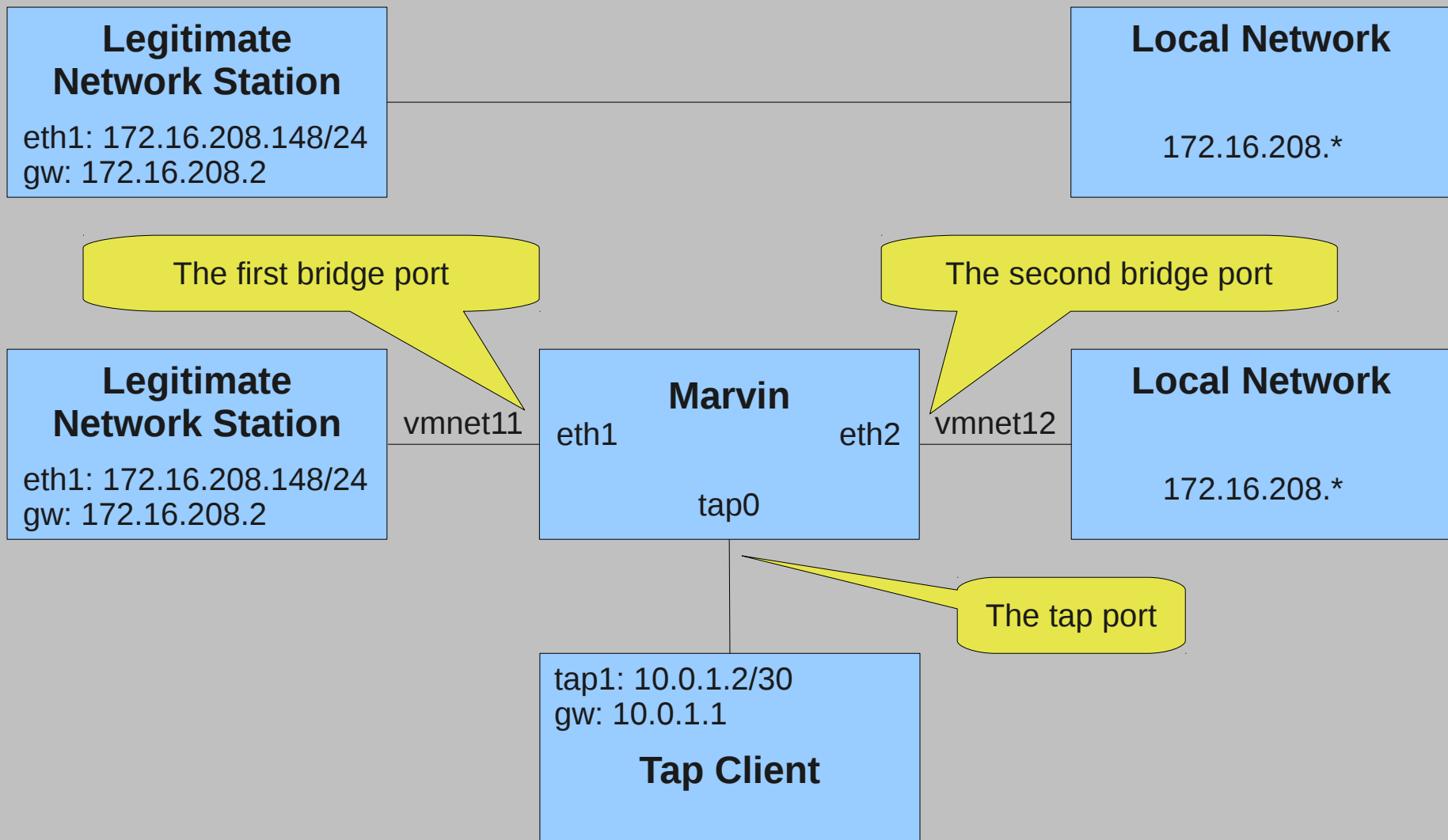


Links, Before and After Tapping



IP Addressing, Before and After Tapping



The Main Screen

Config | ARP | Flows | Conversations

BRIF1, the first bridge interface

BRIF2, the second bridge interface

TAPIF, the network interface the tap client(s) are connected to

MAC and IP address of default gateway used by the tap client(s)

MACr IPr

Masquerade tap traffic towards BRIF1 0. Use the following source MAC and IP addresses:

BRIF1.SMAC BRIF1.SADDR

Masquerade tap traffic towards BRIF2 0. Use the following source MAC and IP addresses:

BRIF2.SMAC BRIF2.SADDR

BR.GATEWAY, IP address of the default gateway on the bridged link

BR.NETMASK, Netmask on the bridged link

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	172.16.208.2:50199	172.16.208.148:50199	29942

That's all for now ...