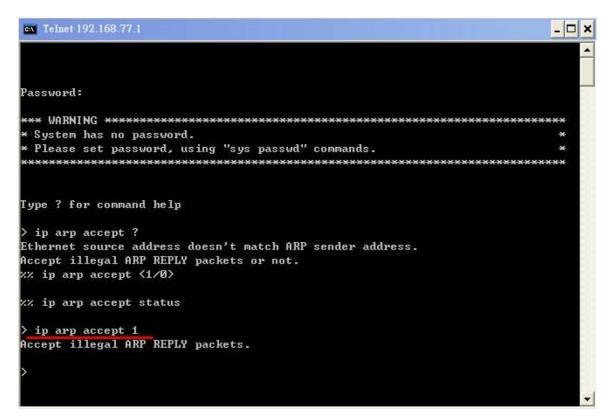
I cannot access Internet through my Vigor router and the Syslog keeps popping up "Source MAC address doesn't match ARP Sender's MAC address" messages. What should I do?

Vigor Router will check whether the ARP packet is illegal or not by matching the Ethernet source address and ARP sender address.

If the source MAC address doesn't match ARP Sender's MAC address, Vigor router will regard these ARP packets as illegal and drop them. This will cause the Internet connection failure (only in DHCP or Static IP mode.)

However, some network devices that ISP offered will response ARP for other devices. For this case, please telnet into Vigor router and use the command "**ip arp accept 1**" to accept illegal ARP packets.



Below is the screenshot of WAN packets captured from Vigor2910 and ISP.

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filter: arp		✓ Expre	ssion Clear Apply			
Io Time	Source	Destination	Protocol	len Info		
1256 205.030373		Broadcast	ARP			Tell 121.254.70.3
1257 205.072227	AlcatelN_da:e5:5b Clevo 57:91:69	Ibm_fa:69:a5 Broadcast	ARP ARP		4.70.254 is at 00 s 121 254 70 2542	Tell 121,254,70,1
	Asustekc 0d:19:f9	Broadcast	ARP			Tell 121.254.83.4
Ethernet II, Src ■ Destination: I ■ Source: Alcate	ytes on wire, 60 bytes : Alcatelw_da:e5:5b ((bm_fa:69:a5 (00:09:6b: 1w_da:e5:5b (00:16:4d: soc)	s captured))0:16:4d:da:e5:5b) <mark>,</mark> :fa:69:a5)	Dst: Ibm_fa:6	9:a5 (00:09:	5b:fa:69:a5)	
Ethernet II, Src Destination: I Source: Alcate Type: ARP (0x0 Trailer: 00000	: AlcatelN_da:e5:5b (0 bm_fa:69:a5 (00:09:6b: NN_da:e5:5b (00:16:4d: 806) 00000000000000000000000000	: captured) 00:16:4d:da:e5:5b), ffa:69:a5) da:e5:5b)	Dst: Ibm_fa:6	9:a5 (00:09:	5b:fa:69:a5)	
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Ethernet II, Src ⊕ Destination: I ⊕ Source: Alcate Type: ARP (0xO Trailer: 00000 Address Resoluti Hardware type: Protocol type: Hardware size: Protocol size: Opcode: reply Sender MAC add Sender IP addr Target MAC add	: AlcatelN_da:e5:5b (0 bm_fa:69:a5 (00:09:6b: lN_da:e5:5b (00:16:4d: 806) 0000000000000000000000000000 on Protocol (reply) Ethernet (0x0001) IP (0x0800) 6 4 (0x0002) ress: IETF-VRRP-virtua	<pre>captured) 00:16:4d:da:e5:5b), ifa:69:a5) odda:e5:5b) 0000000000 al-router-VRID_004 (221.254.70.254) 0:09:6b:fa:69:a5)</pre>			5b:fa:69:a5)	

We can see that the Sender/Gateway's MAC is **00:00:5e:00:01:0a**, but the Source MAC which responses Vigor router's ARP request is **00:16:4d:da:e5:5b**.