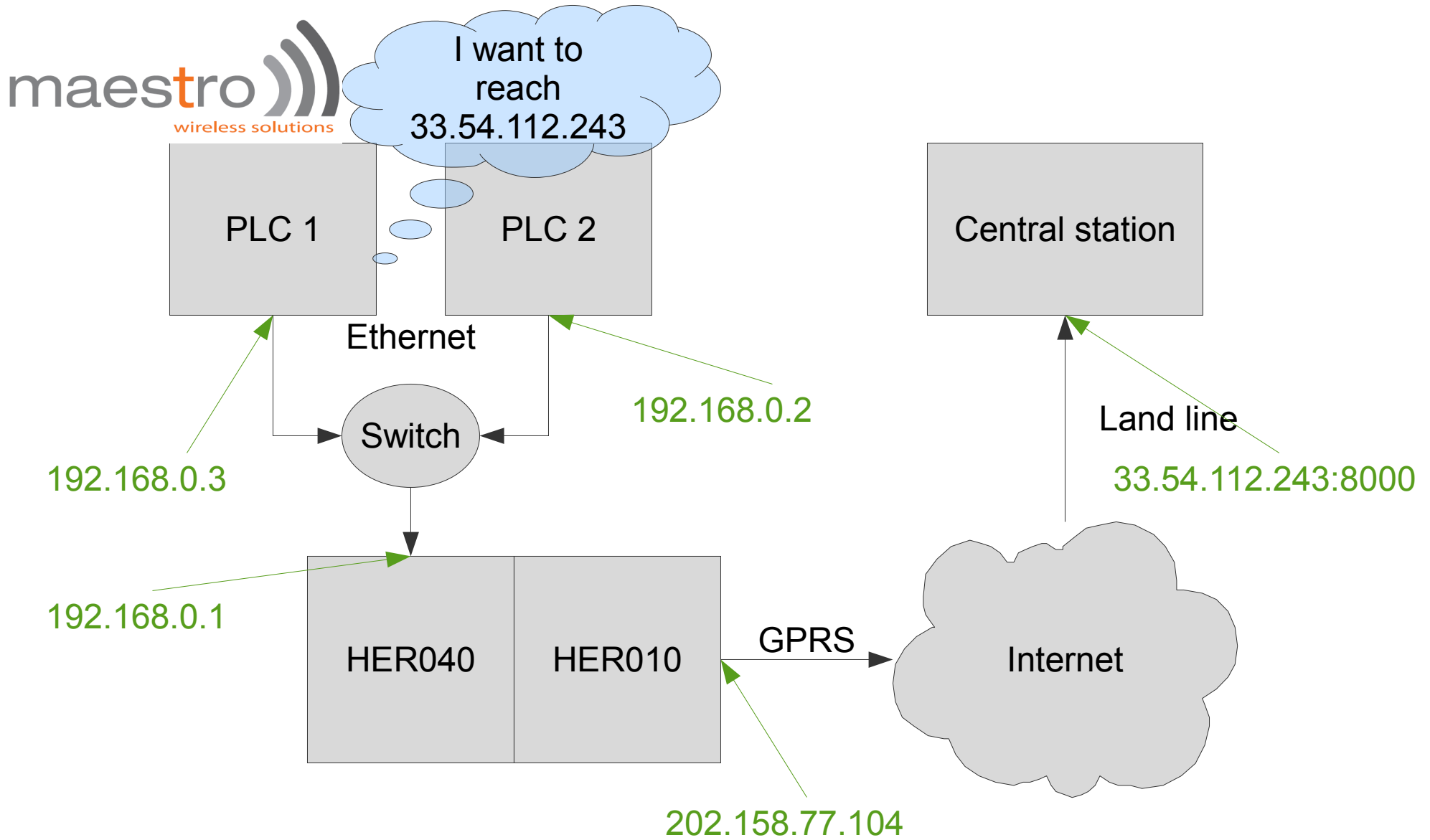
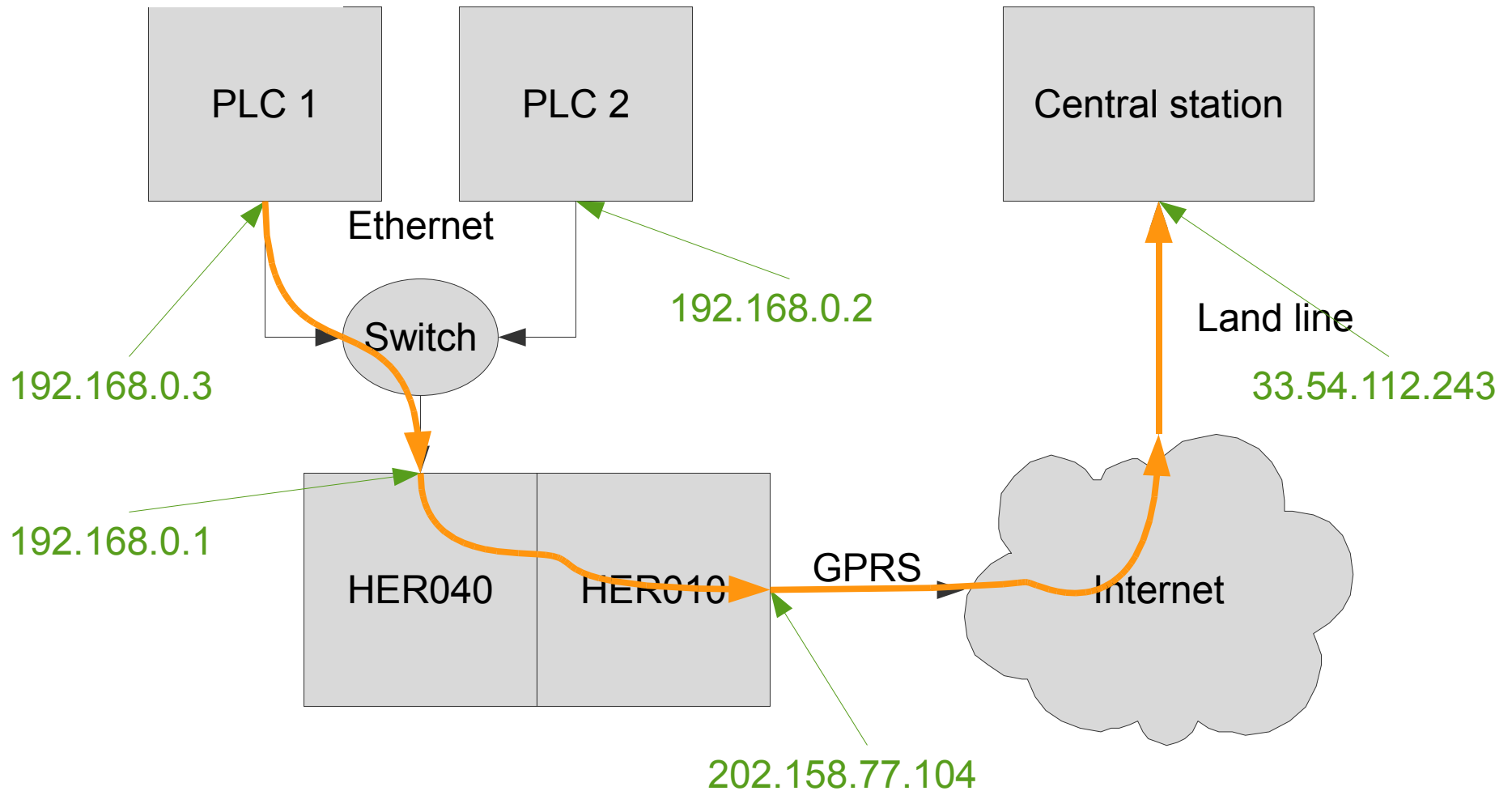


Let's study the following setup: two PLCs, connected to an Ethernet switch, use the Heritage modem as a gateway to Internet. We would like to have the PLCs communicate with a central station, which is also connected to Internet.



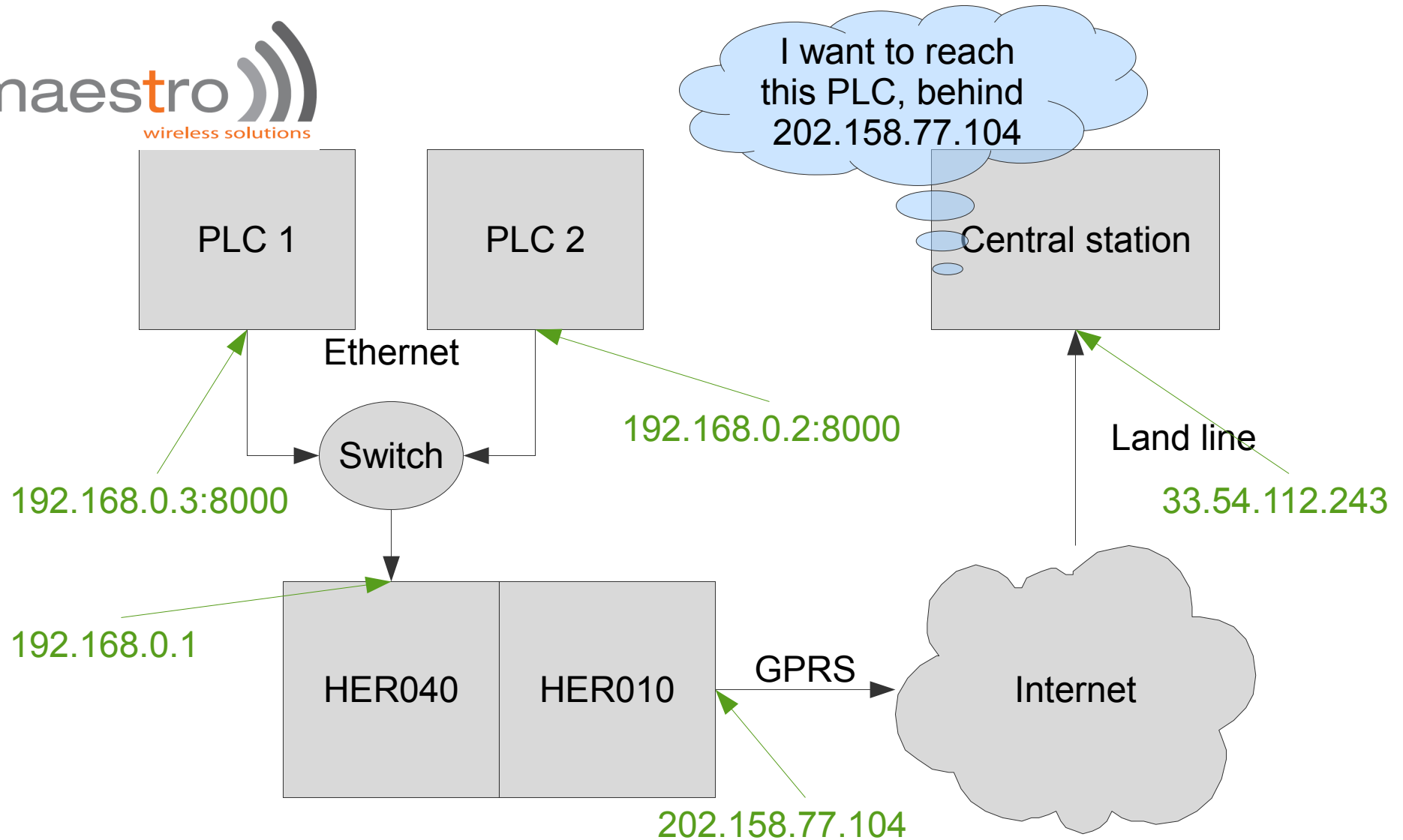
Case 1: the PLC is a client, the central station is a server listening on port 8000

The PLC knows the IP address of the central station.



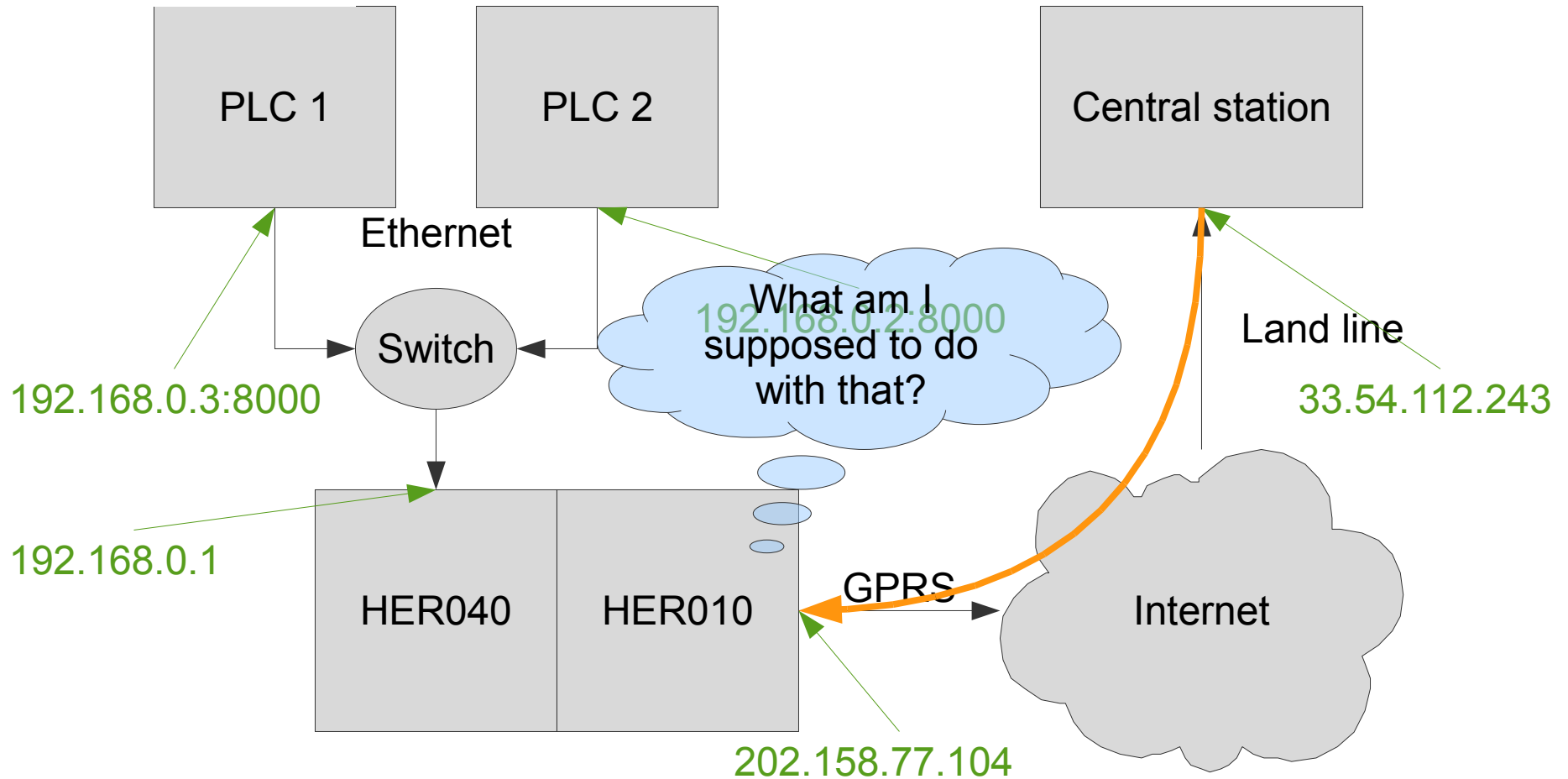
Case 1: the PLC is a client, the central station is a server listening on port 8000

No configuration needed on the modem, as long as the PLC knows the IP address of the server, it automatically finds its way to it.



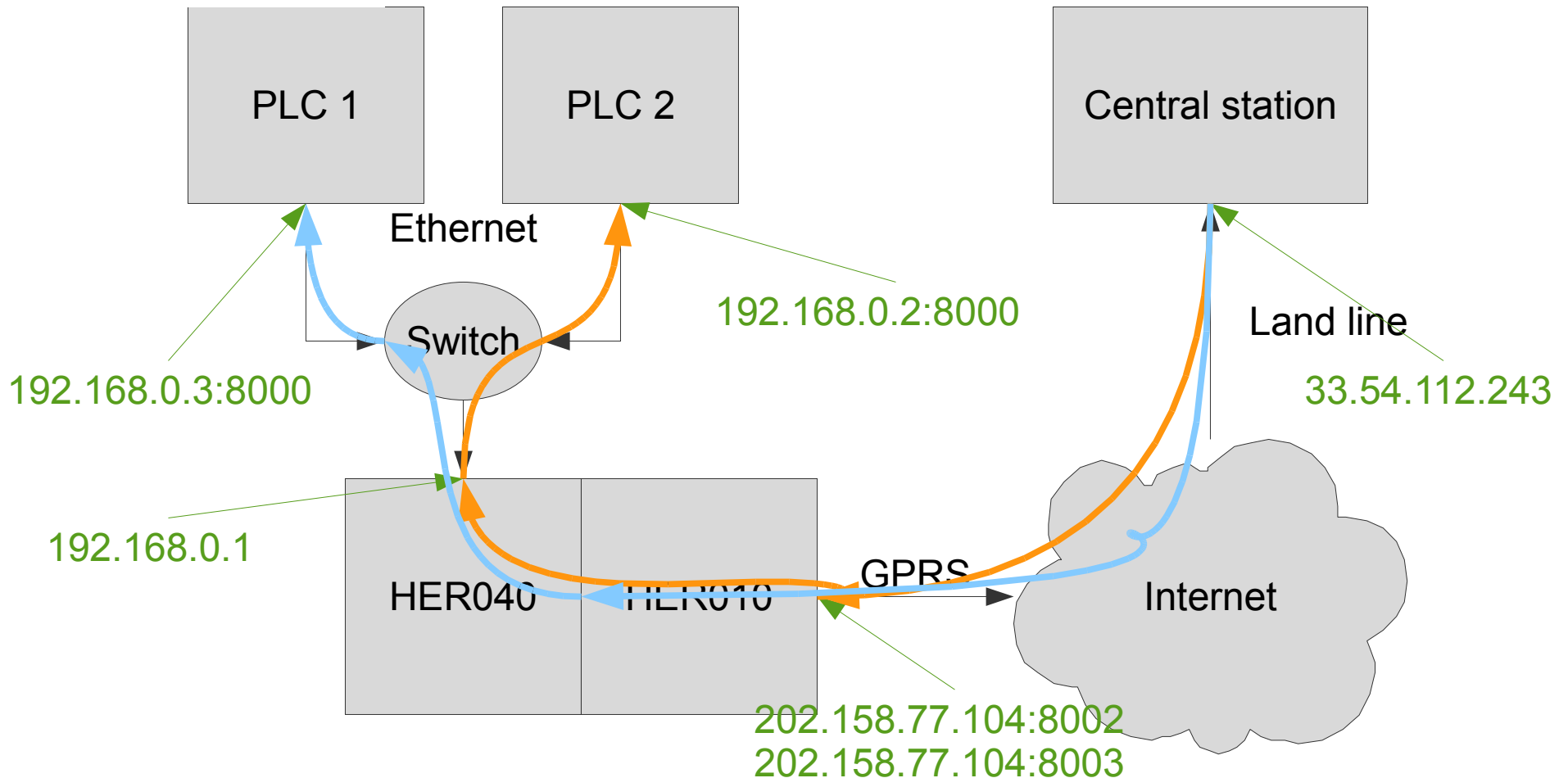
Case 2: the PLC is a server, they both listen on port 8000, the central station is a client.

The central station can only know the modem IP address (as given by the service provider).



Case 2: the PLC is a server, they both listen on port 8000, the central station is a client.

Problem: when the data reaches the modem, it does not know to which PLC he must forward the data!



Case 2: the PLC is a server, they both listen on port 8000, the central station is a client.

Solution: define port forwarding rules.

All packets received on 202.158.77.104:8002 -> go to 192.168.0.2:8000

All packets received on 202.158.77.104:8003 -> go to 192.168.0.3:8000

The central station can now address the two PLCs.



Use the HER040 configuration utility to define the port forwarding rules.

Of course, you can have client PLC and server PLC on the same modem, then you only need to configure port forwarding for the server PLCs. Client PLCs will find their way by themselves.

MAC Address (read only):	FFFFFFFFFFFF
ISP User name:	
ISP Password:	
DHCP pool size (1-255, 0 if no DHCP):	10
Default IP (0.0.0.0 to use DHCP):	192.168.0.1
IP Gateway:	192.168.0.1
Subnet:	255.255.255.0
DNS server 1 (0.0.0.0 to refresh):	0.0.0.0
DNS server 2 (0.0.0.0 to refresh):	0.0.0.0
Port forwarding 1 :	80,192.168.0.1:80
Port forwarding 2 :	
Port forwarding 3 :	
Port forwarding 4 :	
Port forwarding 5 :	
Port forwarding 6 :	
Port forwarding 7 :	
Port forwarding 8 :	
Port forwarding 9 :	
Port forwarding 10 :	

Format for port forwarding: [WAN port],[LAN IP]:[LAN port]

Save Quit