

"Vue 3D n°1"

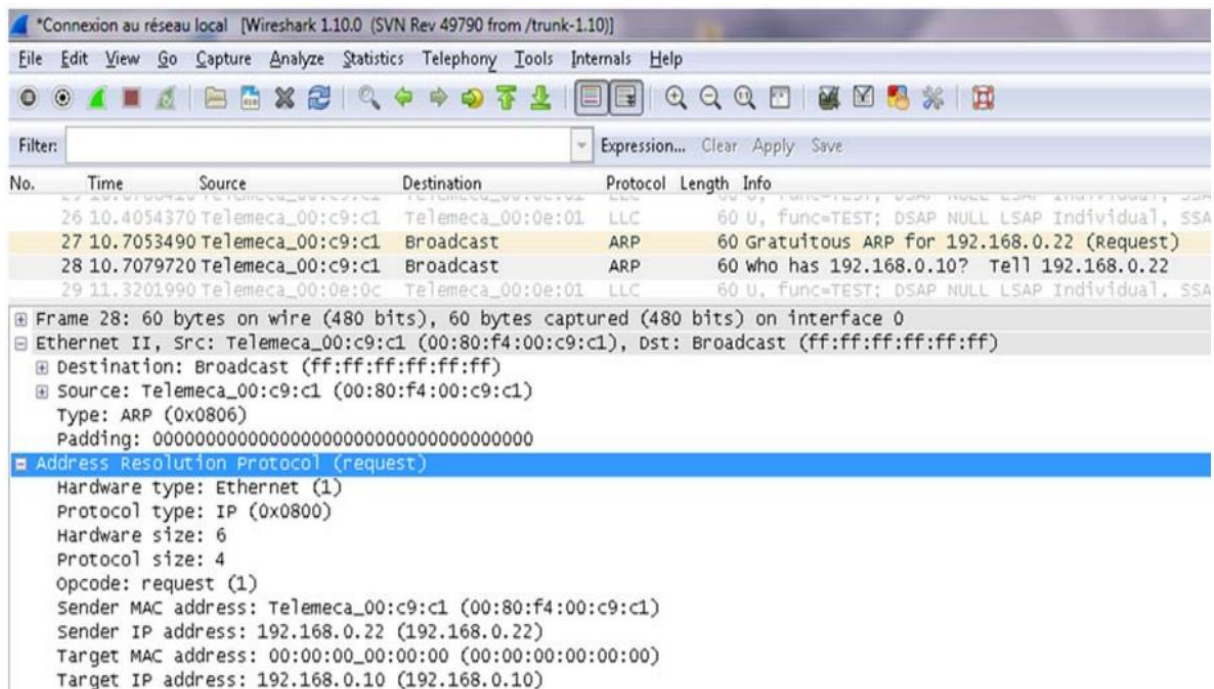


La station de traitement d'eau est supervisée par un système de gestion qui réalise l'acquisition de l'état des capteurs et des actionneurs et qui pilote les vannes.

Sur la saisie de données effectuée, avec WIRESHARK, l'automate maître (Sender) envoie une requête à l'automate de gestion du filtre 1 (Target).

**Q1** : Donner, à l'aide de la saisie de données effectuées avec WIRESHARK, l'adresse MAC de la carte de l'automate maître et l'adresse IP de l'automate de gestion du filtre.

### Extrait logiciel WIRESHARK



The screenshot shows a Wireshark capture of network traffic. The packet list pane displays several packets, with packet 28 selected. The packet details pane shows the structure of the selected ARP request packet.

| No. | Time       | Source            | Destination       | Protocol | Length | Info   |
|-----|------------|-------------------|-------------------|----------|--------|--|
| 26  | 10.4054370 | Telemeca_00:c9:c1 | Telemeca_00:0e:01 | LLC      | 60     | U, func=TEST; DSAP NULL LSAP Individual, SSA |
| 27  | 10.7053490 | Telemeca_00:c9:c1 | Broadcast         | ARP      | 60     | Gratuitous ARP for 192.168.0.22 (Request)    |
| 28  | 10.7079720 | Telemeca_00:c9:c1 | Broadcast         | ARP      | 60     | who has 192.168.0.10? Tell 192.168.0.22      |
| 29  | 11.3201990 | Telemeca_00:0e:0c | Telemeca_00:0e:01 | LLC      | 60     | U, func=TEST; DSAP NULL LSAP Individual, SSA |

Frame 28: 60 bytes on wire (480 bits), 60 bytes captured (480 bits) on interface 0

- Ethernet II, Src: Telemeca\_00:c9:c1 (00:80:f4:00:c9:c1), Dst: Broadcast (ff:ff:ff:ff:ff:ff)
  - Destination: Broadcast (ff:ff:ff:ff:ff:ff)
  - Source: Telemeca\_00:c9:c1 (00:80:f4:00:c9:c1)
  - Type: ARP (0x0806)
  - Padding: 00000000000000000000000000000000
  - Address Resolution Protocol (request)
    - Hardware type: Ethernet (1)
    - Protocol type: IP (0x0800)
    - Hardware size: 6
    - Protocol size: 4
    - Opcode: request (1)
    - Sender MAC address: Telemeca\_00:c9:c1 (00:80:f4:00:c9:c1)
    - Sender IP address: 192.168.0.22 (192.168.0.22)
    - Target MAC address: 00:00:00\_00:00:00 (00:00:00:00:00:00)
    - Target IP address: 192.168.0.10 (192.168.0.10)