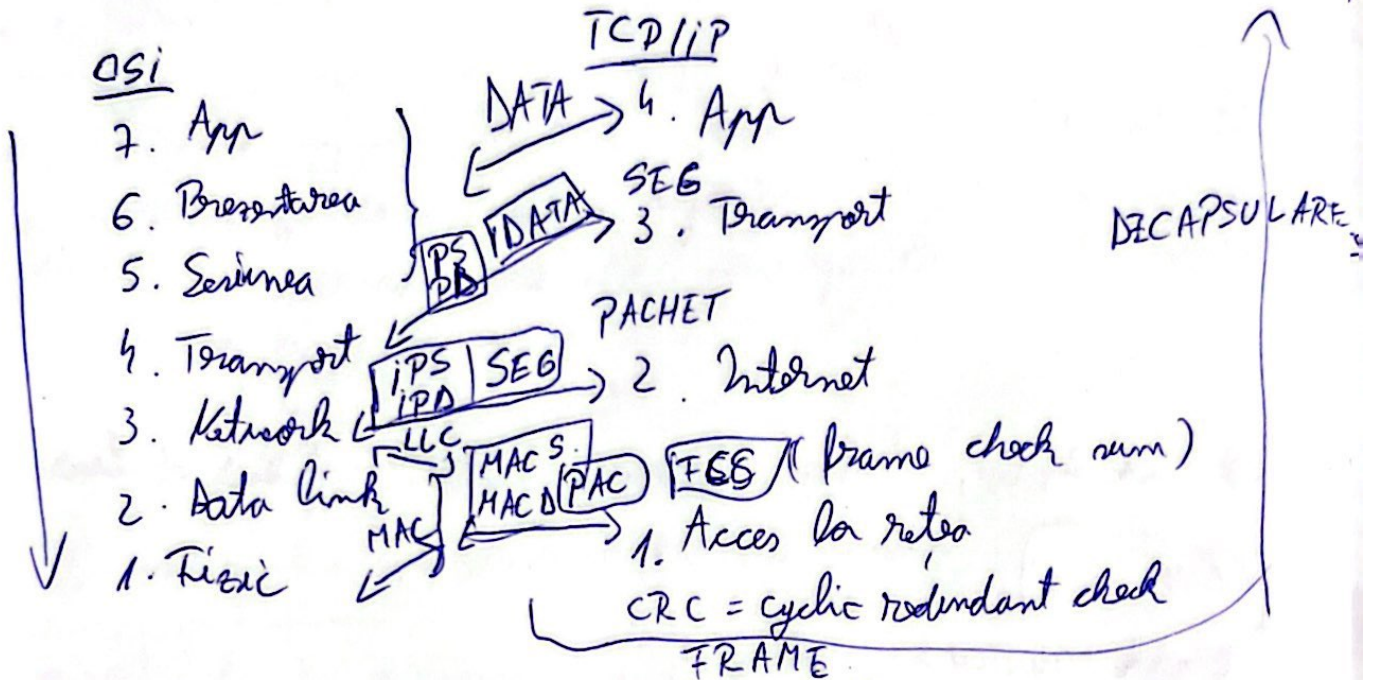


## Comunicarea stinelor ceva

OSI = open system intercom.  
TCP/IP = trans. 1

PDU = protocol data unit



~~Se~~ Servire: inițiere, timp în viață, 0 replace

Encapsulare => adăugăm header

Port sursă, destinație

5 101101...1 5

Ad. numerice (well known ports)

0 - 1023 ✓

1024 - 49151 (registered ports)

49152 - 65535 (experimental)

Ad. logice (IP)

A. 0-127/8  
B. 128-191/16  
C. 192-223/24  
D. 224-239/N.A.  
E. 240-255/N.A. (4)

FTP (20, 21)

SSH (22)

SMTP (25)

DNS (53)

DHCP (67, 68)

127.255.255.255  
255 0 0 0

## Ad. fizică (MAC)

- 48 lei
- 24 prod, 24. vânzător

### PASI

- ① Nume (CAPS)
- ② OFF / GCEION
- ③ Antig. IP
- ④ Config mail

### SWITCH 2960

- ① SW Nume (NORMAL)

### LAPTOP

- SERVICE  
(cable console  
albastru)
- RS 232 - console
- Căsuță roșie  
+ bleu

⑤ click laptop, desktop, terminal, enter (mod user de lucru)

### COMENZII

~~enable~~ SWITCH > enable

switch # configure terminal

switch(config)# no ip domain-lookup (prevenim erori)

+ \_\_\_\_\_ # hostname SW606U

SW 606U(config)# no cdp run

+ \_\_\_\_\_ # service password-encryption

+ \_\_\_\_\_ # enable secret ciscoecpass

+ \_\_\_\_\_ # enable password ciscoenapass (dacă nu merge)

+ \_\_\_\_\_ # banner motd \*Cuni la ora 8:00 rediinta L.T.!

+ \_\_\_\_\_ # line console 0

config-line)# password ciscoconpass

# login

# logging synchronous

# exec-timeout 15 20

⑤



```

# exit
config)# line vty 0 15
config-line)# password ciscoVTYpass
# login
# logging synchronous
# exec-timeout 10 10
# exit => exit (câte un strat) (sau ctrl+Z / end)
sw-G06U # copy running-config startup-config (când return,
# clock set 10:50:25 2 Mar 2023
# configure terminal SSH

```

---

```

# in domain-name info.ro
# username Admin01 privilege 15 secret Admin01pass
# line vty 0 15
# transport input ssh
# login local , exit
# crypto key generate rsa => 2048

```

---

```

Sw-G06U(config)# interface vlan 1
config-if)# description Legătura cu ramura 192.168.10.0/20
# ip address 192.168.10.2 255.255.240.0
# no shutdown

```

- legăm după configurare

~~PC~~ □ 172.16.243.100  
 PC-DOLJ 255.255.252.0  
 172.16.243.1

DNS: 209.165.243.222 (pe la mail)

PC, Desktop, CMD

- vine Sw DOLJ  
 - ping 172.16.243.2  
 - ssh -l Admin01 ↑

