

ipv6-td1

Adressage IPv6

Question 1

Comprimez les adresses IPv6 suivantes

- 2001:0001:0002:014E:F140:0102:8012:00AE

2001:1:2:14E:F140:102:8012:AE

- 2001:0120:0000:0000:01A3:0102:8765:A00F

2001:120:0:0:1A3:102:8765:A00F

- 2001:0120:0000:0000:01A3:0000:8765:A00F

2001:120:0:0:1A3:0:8765:A00F

- 0000:0000:0000:0000:0000:0000:0000:0001

::1

Question 2

Explosez les adresses IPv6 suivantes

- 2001:14C8::871:206:A14:23

2001:14C8:0000:0871:0206:0A14:0023

- 2002:203::AEF:12:0:1B1:1

2003:0203:0000:0AEF:0000:01B1:0001

Question 3

Quelles adresses IPv6 sont valides ?

- 2001:14C8::871:206:A14:23

Oui

- 2001:14C8::871:206::A14:23

Non car deux fois des deux-points

- 2001:14C8:0:0134::A120:E001

Oui

- 200F:23G5:23:1:45:A234::1

Non car G

Question 4

Donner la(es) réponse(s) correspondant à la compression des adresses IPv6 ci-dessous

- 2001:0db8:0000:0000:0000:0000:0c50

2001:0db8:0:0:0:0:0c50
 2001:0db8::0c50
 2001:db8::c50
 2001:db8::c5

- 2001:0db8:0000:0000:b450:0000:0000:00b4

2001:db8::b450::b4
 2001:db8::b450:0:0:b4
 2001:db8::b45:0000:0000:b4
 2001:db8:0:0:b450::b4

- 2001:0db8:00f0:0000:0000:03d0:0000:00ff

2001:0db8:00f0::3d0:0:00ff
 2001:db8:f0:0:0:3d0:0:ff
 2001:db8:f0::3d0:0:ff
 2001:0db8:0f0:0:0:3d0:0:0ff

- 2001:0db8:0f3c:00d7:7dab:03d0:0000:00ff

2001:db8:f3c:d7:7dab:3d0:0:ff
 2001:db8:f3c:d7:7dab:3d0:0:ff
 2001:db8:f3c:d7:7dab:3d0::ff
 2001:0db8:0f3c:00d7:7dab:03d0:00ff

Question 5

Donnez le numéro de réseau et l'adresse MAC d'origine des adresses suivantes

- 2001:0660:2402:1001:208:2ff:fedc:633/48

- Numéro de réseau

2001:0660:2402::/48

- MAC

00-08-02-DC-06-33

- 2001:0660:F402:1000:3e52:82ff:feea:5bd2/64

- Numéro de réseau

2001:0330:F402:1000::/64

- MAC

3C-52-82-EA-5B-D2