

UNIVERSITE CHEKH ANTA DIOP ECOLE SUPERIEURE POLYTECHNIQUE Département Génie Informatique

LICENCE Systèmes, Réseaux & Télécommunications

Introduction/Concepts des réseaux

Trame Ethernet

Pr Ibrahima NGOM

Maître de conférences CAMES

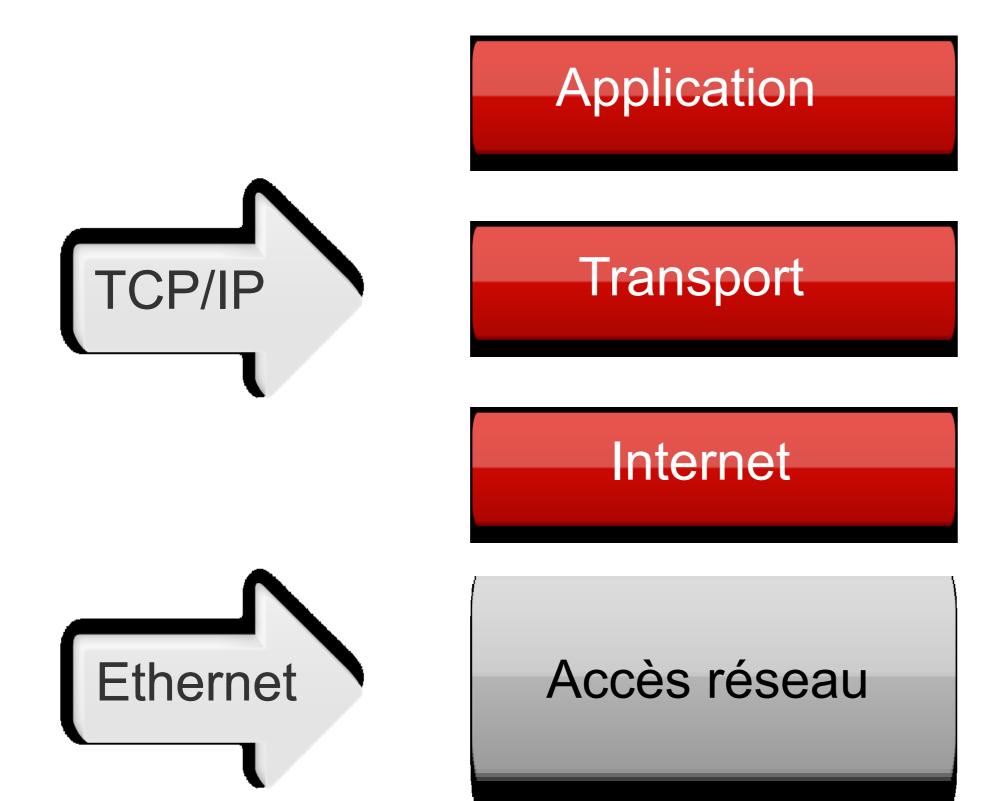


Trame Ethernet

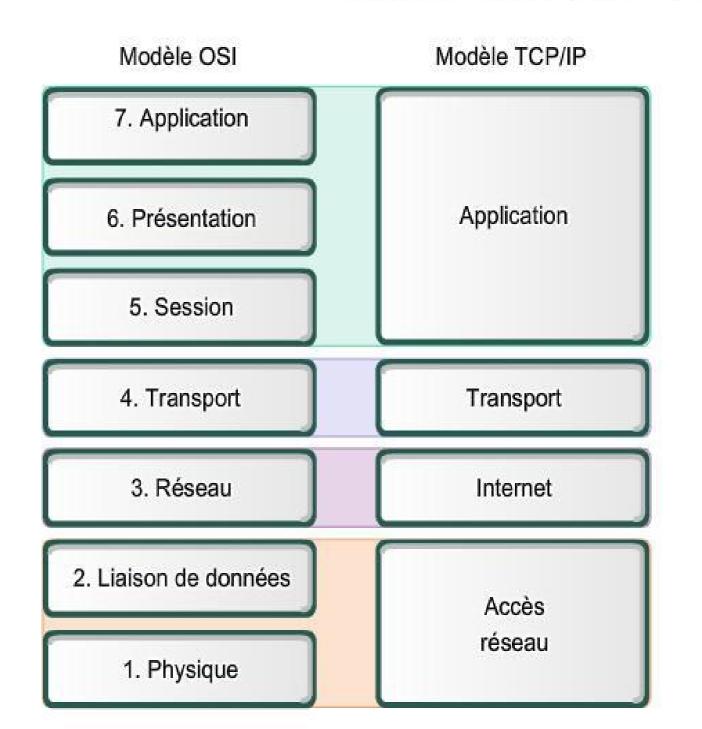
PDU ou information encapsulée au niveau L2 (la couche liaison de données)

Modèle TCP/IP





Comparaison des modèles OSI et TCP/IP

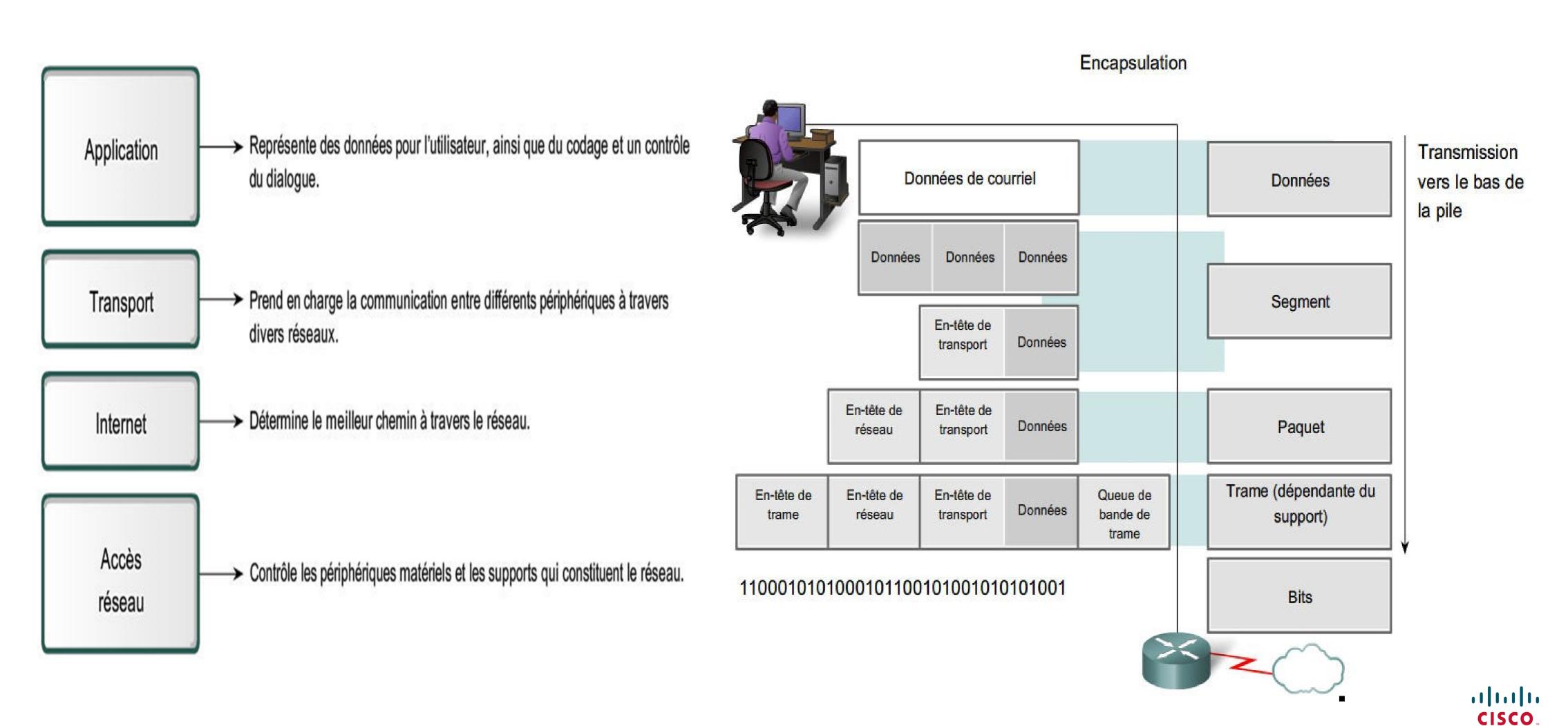


Les principaux parallèles concernent les couches transport et réseau.



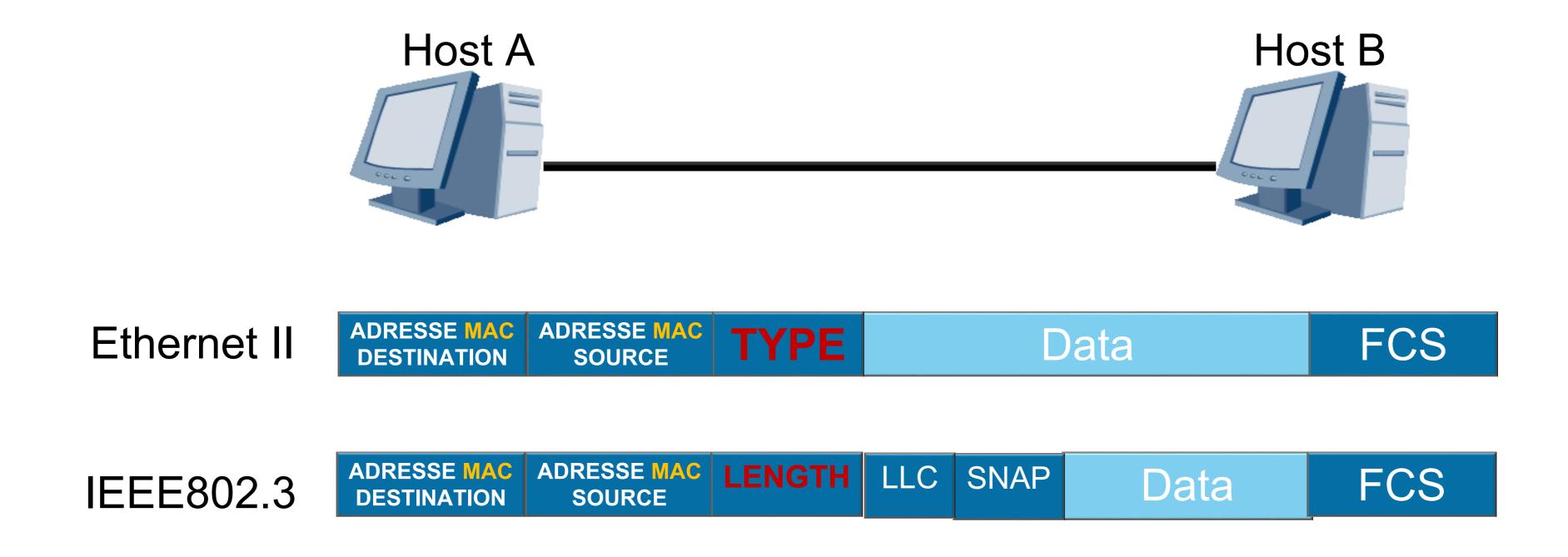
Modèle TCP/IP





Trame Ethernet



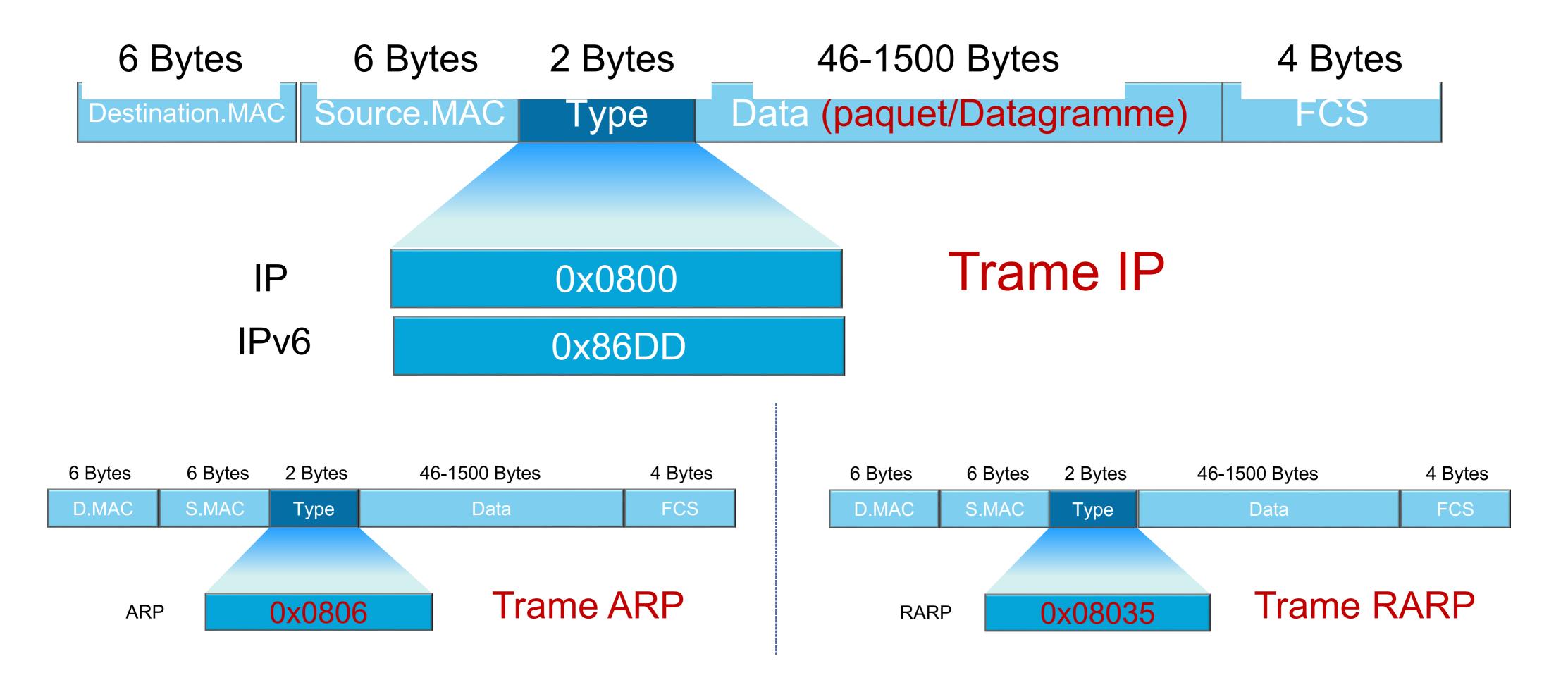


Valeur du champ "Ethertype" >= 1536 (0x0600) alors Ethernet II (TYPE)
Valeur du champ "Ethertype" <= 1500 (0x05DC) alors IEEE802.3 (LENGTH, LLC, SNAP)



Trame Ethernet



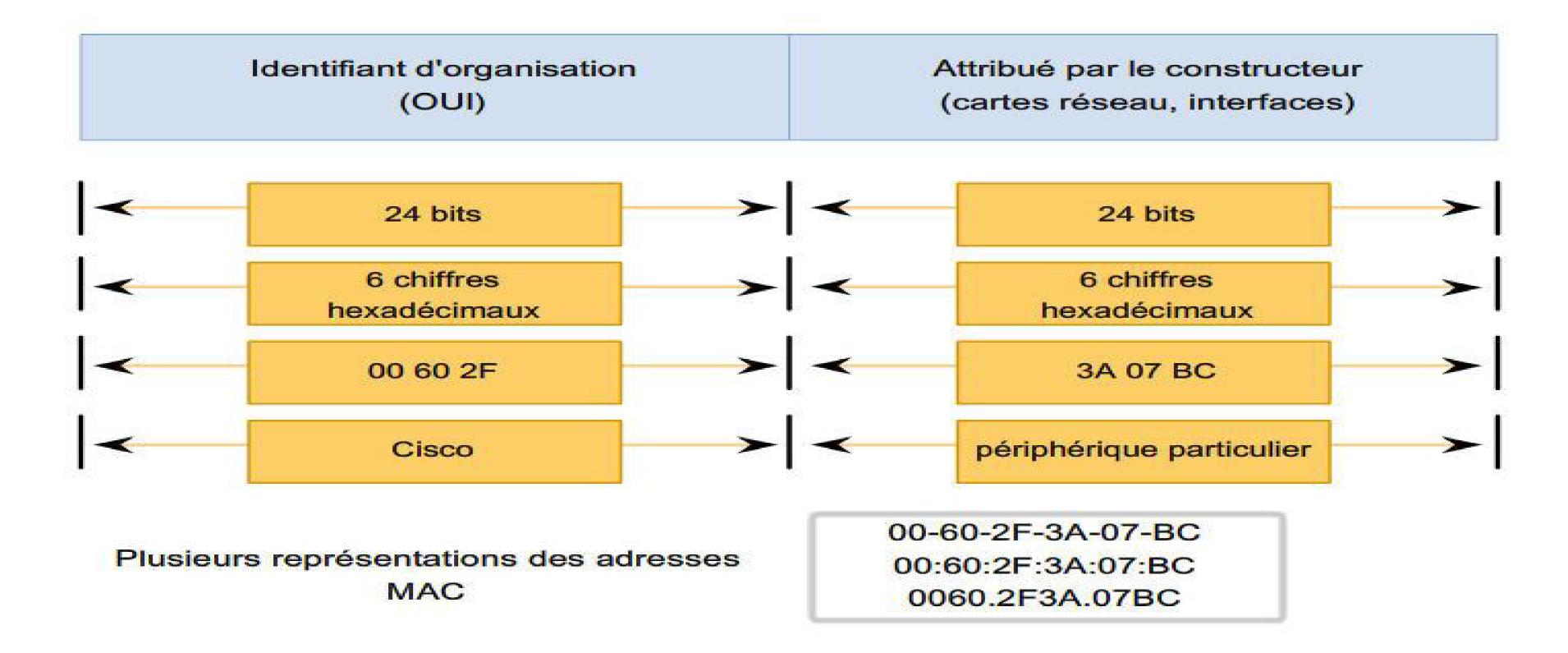




Adresse Physique = Adresse MAC



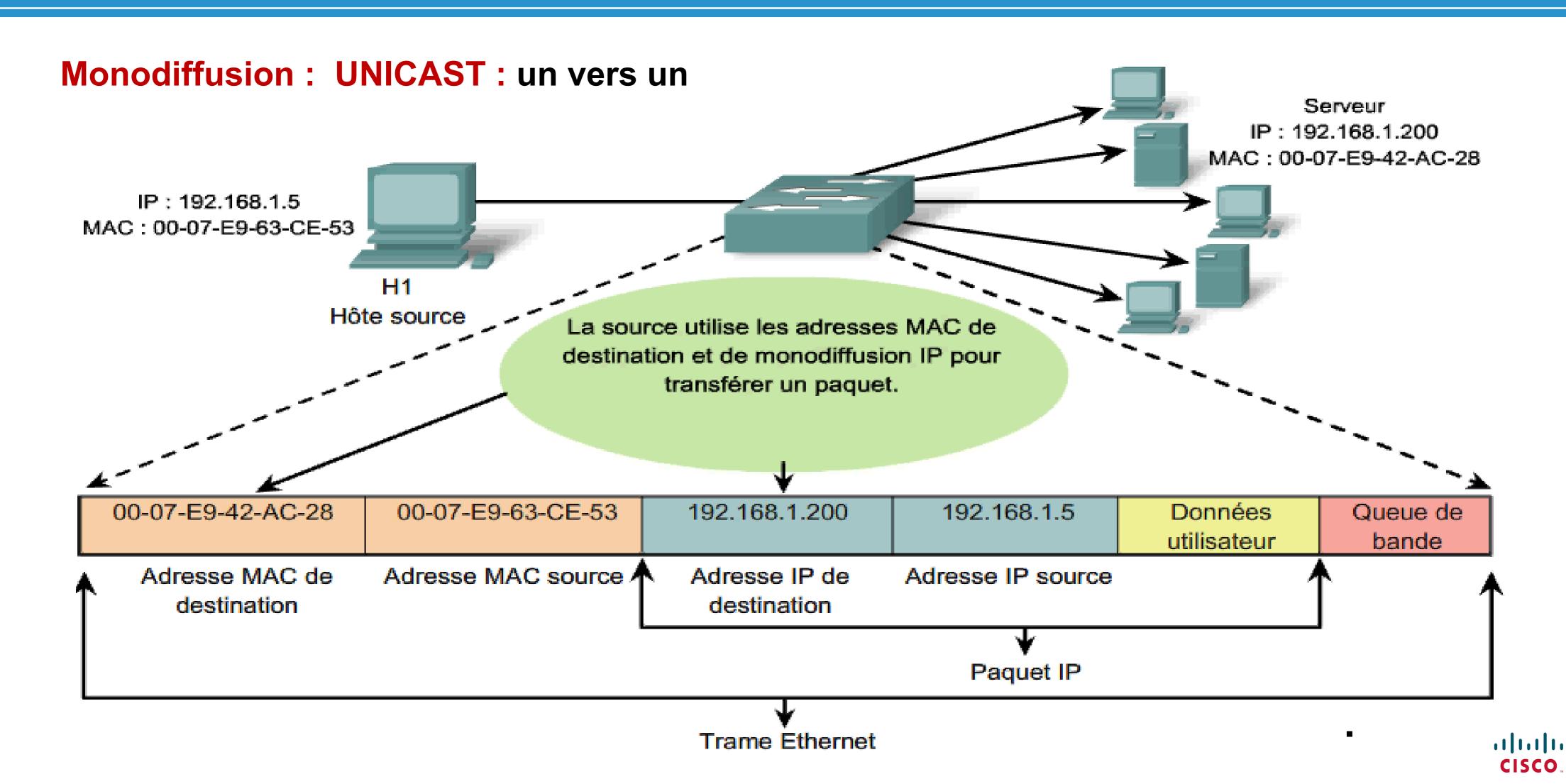
Structure d'une adresse MAC Ethernet





Types de transmission (1/2)

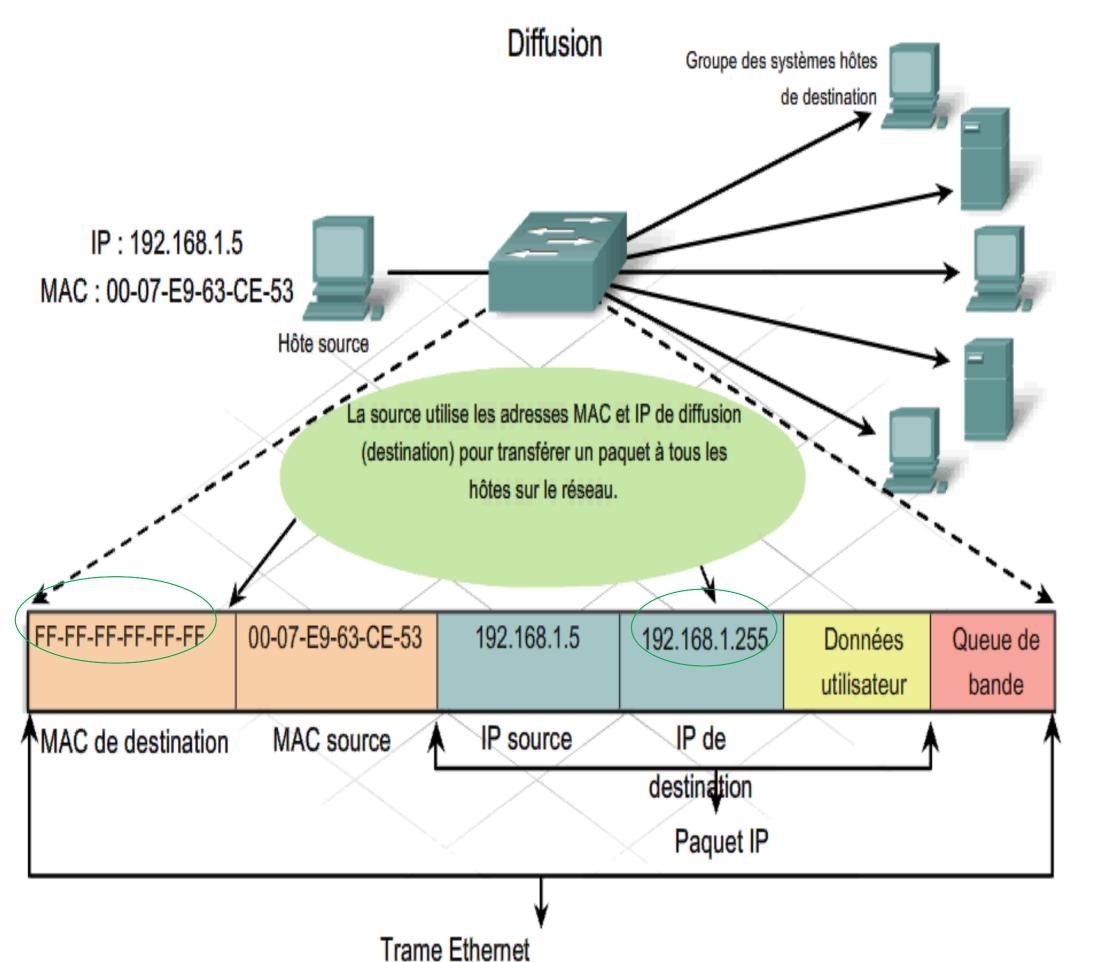




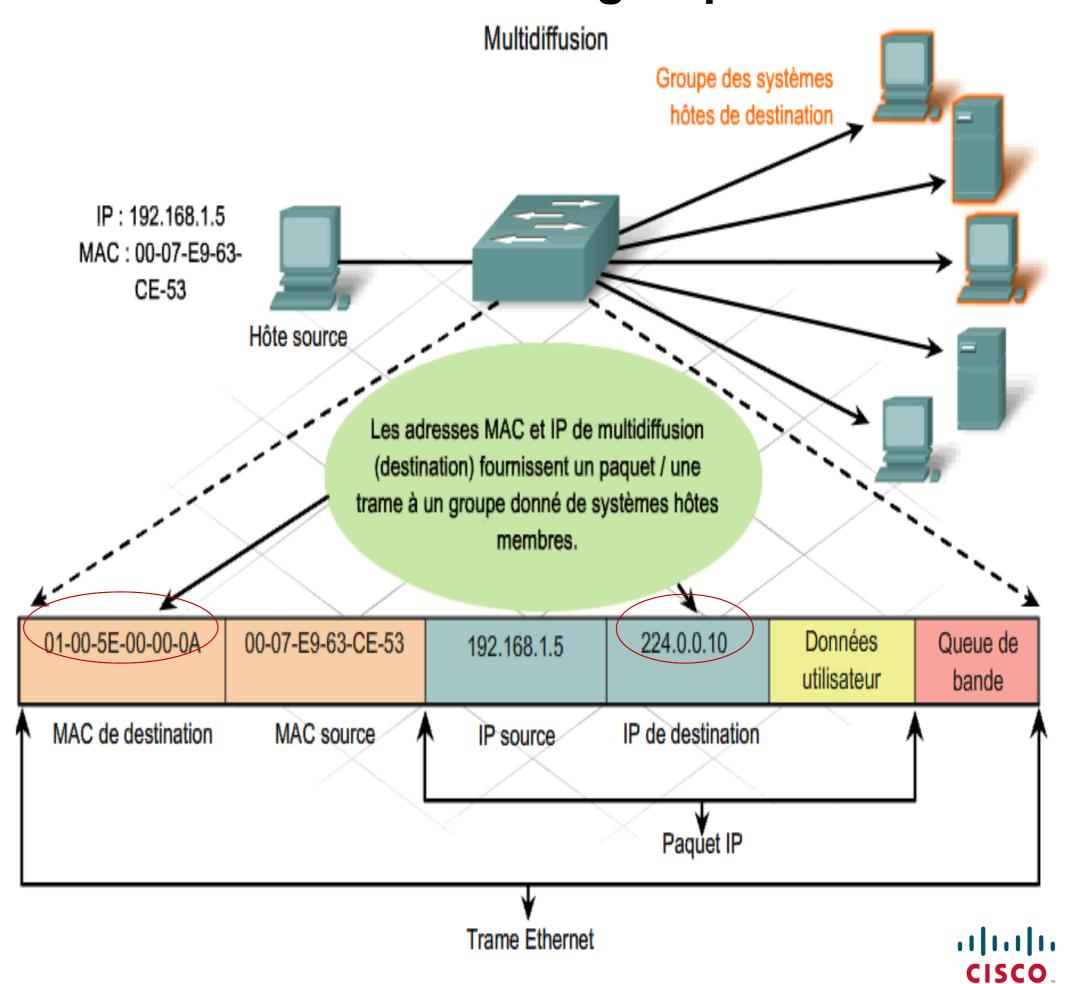
Types de transmission (2/2)



BROADCAST: un vers tous

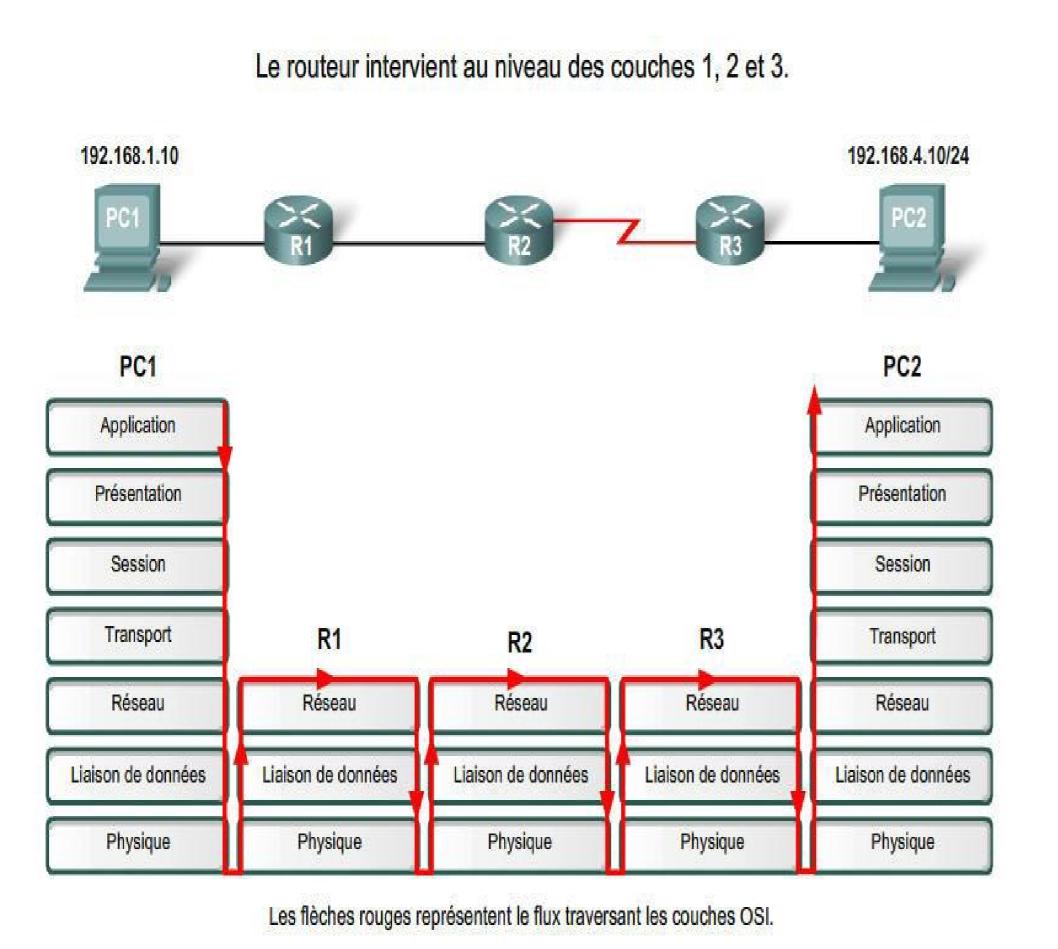


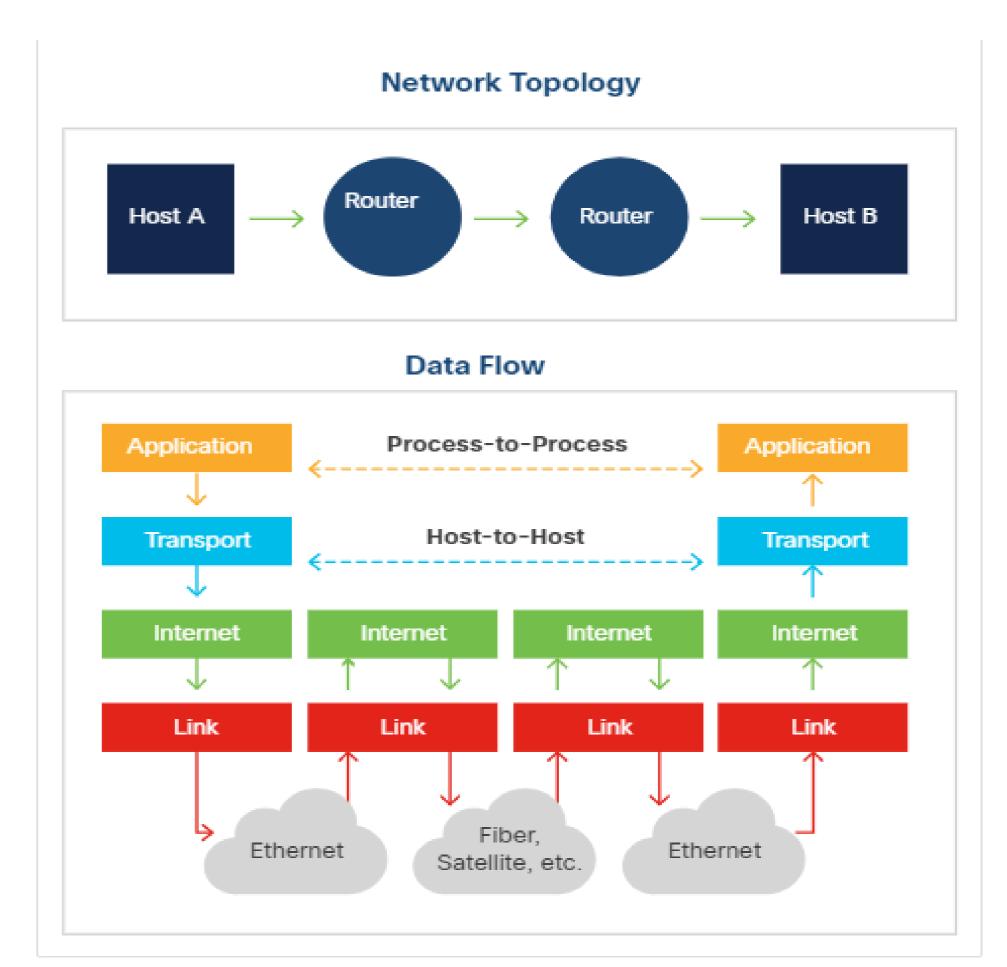
MULTICAST: un vers un groupe



Flux de messages







Sources







Sources





