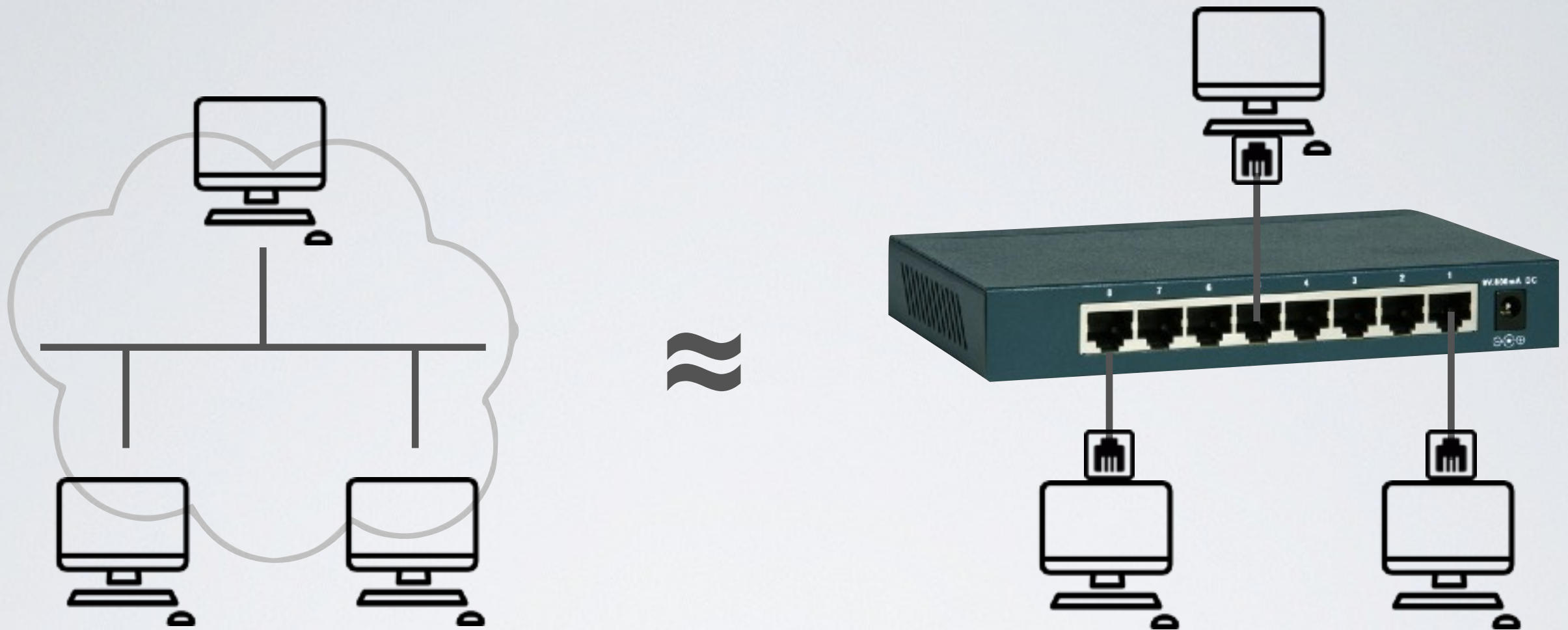


Preventing packet sniffing over Ethernet



Hub : broadcast all messages on all ports

Switch : (smart HUB) forward messages on specific port based on their MAC addresses

➡ isolate Ethernet traffics (no straightforward packet sniffing)

Packet sniffing over a wireless network

➡ Encrypt message before sending them over the air

Wireless Security	WEP	WPA	WPA2		WPA3	
			Personal	Enterprise	Personal	Enterprise
Authentication	Shared Key	Shared Key	Shared Key	RADIUS Server	Shared Key	RADIUS Server
Encryption	RC4	RC4	AES-CCMP		AES-GCM	
Security	Broken	Broken	External attackers only	Good	Better	Better