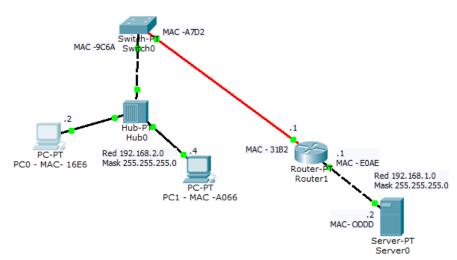
Práctica Nº 1 - Modelo de capas

- 1) Responda las siguientes preguntas:
 - a. ¿Qué es el modelo OSI?
 - b. ¿Por qué surgió?
 - c. Enumere y describa la funcionalidad de las distintas capas del modelo OSI.
- 2) Describa la función de cada dispositivo de red y en el caso de que pertenezca a una capa del modelo OSI, escríbalo.

Dispositivo	Función	Capa del modelo OSI
HUB		
BRIDGE		
SWITCH		
ROUTER		
AP		
TRANSCEIVER		
MODEM		
IDS		
SERVIDOR WEB		

3) De la topología, realizar el diagrama de capas de cada uno de los dispositivos (entrantes y salientes). Considerar que desde la PCO mediante un web browser está accediendo a una página del servidor web.



4) De los siguientes diagramas de capas, entrantes y salientes de cada nodo, realizar la topología con los dispositivos, que correspondan a las mismas.

At Device: PC0 Source: PC0 Destination: PC3

in Layers
Layer7
Layer6
Layer5
Layer4
Layer3
Layer2
Layer1

Out Layers	
Layer7	
Layer6	
Layer5	
Layer4	
Layer 3: IP Header Src. IP: 192.168.0.103, Dest. IP: 192.168.0.101 ICMP Message Type: 8	
Layer 2:	
Layer1	

Redes y Comunicaciones de Datos I Docentes: Marcelo T. Gentile, Franco Cian, Gabriel Filippa

At Device: PC0 Source: PC0 Destination: PC3

In Layers	Out Layers
Layer7	Layer7
Layer6	Layer6
Layer5	Layer5
Layer4	Layer4
Layer3	Layer3
	Layer 2: Ethernet II Header
Layer2	0009.7C4D.92E0 >> 00D0.D3DD.3933
Layer1	Layer 1: Port(s): FastEthernet0
At Device: Wireless Router0 Source: PC0 Destination: PC3	
In Layers	Out Layers
Layer7	Layer7
Layer6	Layer6
Layer5	Layer5
Layer4	Layer4
Layer3	Layer3
Layer 2: Ethernet II Header 0009.7C4D.92E0 >> 00D0.D3DD.3933	Layer 2: Wireless
Layer 1: Port Ethernet 1	Layer 1: Port(s):
At Device: Wireless Router0	
At Device: Wireless Router0 Source: PC0 Destination: PC3	
Source: PC0	Out Layers
Source: PC0 Destination: PC3	Out Layers Layer7
Source: PC0 Destination: PC3 In Layers	
Source: PC0 Destination: PC3 In Layers Layer7	Layer7
Source: PC0 Destination: PC3 In Layers Layer7 Layer6	Layer7 Layer6
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5	Layer5
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4	Layer7 Layer6 Layer5 Layer4
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3	Layer7 Layer6 Layer5 Layer4 Layer3
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer 1: Port(s): Wireless
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layers	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer 1: Port(s): Wireless
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layer5 Layer7	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer 1: Port(s): Wireless Out Layers Layer7
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layers Layer7 Layer6	Layer7 Layer6 Layer5 Layer4 Layer3 Layer2 Layer1: Port(s): Wireless Out Layers Layer7 Layer6
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5	Layer7 Layer6 Layer4 Layer3 Layer2 Layer 1: Port(s): Wireless Out Layers Layer7 Layer6 Layer5 Layer5 Layer4 Layer5 Layer5 Layer4 Layer4 Layer3: IP Header Src. IP:
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer7 Layer6 Layer5 Layer6 Layer5 Layer6 Layer5 Layer4 Layer4 Layer3: IP Header Src. IP: 192.168.0.103, Dest. IP:	Layer7 Layer6 Layer3 Layer2 Layer1: Port(s): Wireless Out Layers Layer7 Layer6 Layer5 Layer5 Layer6 Layer5 Layer4 Layer5 Layer4 Layer4 Layer3: IP Header Src. IP: 192.168.0.101, Dest. IP:
Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer4 Layer3 Layer2 Layer1 At Device: PC3 Source: PC0 Destination: PC3 In Layers Layer7 Layer6 Layer5 Layer6 Layer6 Layer6 Layer5 Layer4 Layer6 Layer4 Layer4 Layer4 Layer7	Layer7 Layer6 Layer4 Layer3 Layer2 Layer 1: Port(s): Wireless Out Layers Layer7 Layer6 Layer5 Layer5 Layer4 Layer5 Layer4 Layer5 Layer4 Layer4 Layer3: IP Header Src. IP: