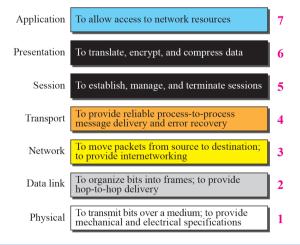
제 2 장 OSI 모델과 TCP/IP 프로토콜

- 2.1 OSI 모델
- 2.2 OSI 모델의 계충
- 2.3 TCP/IP 프로토콜
- 2.4 주소지정
- 2.5 IP 버전

TCP/IP 2-1

2.1 & 2.2 OSI 모델

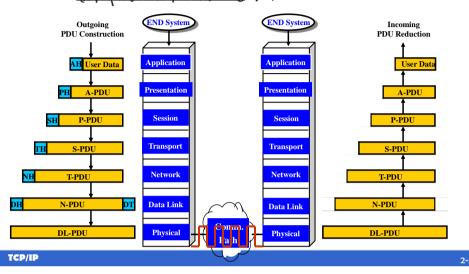
■<u>()SI/M</u>È⊒



TCP/IP 2-2

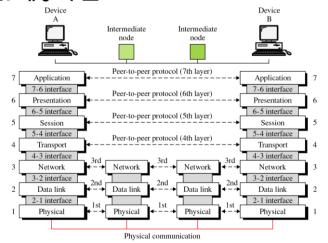
2.1 & 2.2 OSI 모델 (계속)

■ 계층구조 → 캡슐화 (Encapsulation)
⇒ (N) - P(N) = (N) - S(N) + (N) - P(I)



2.1 & 2.2 OSI 모델 (계속)

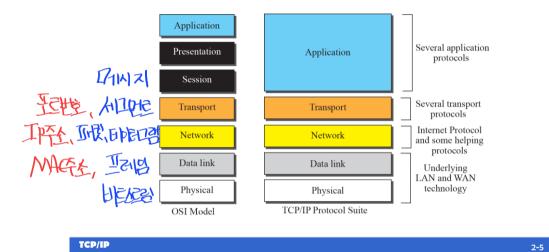
■OSI 계층 구조



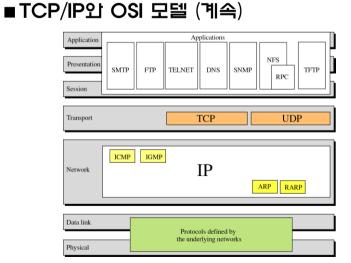
TCP/IP 2-4

2.3 TCP/IP 프로토콜

■TCP/IP와 OSI 모델



2.3 TCP/IP 프로토콜 (계속)



TCP/IP 2-6

2.3 TCP/IP 프로토콜 (계속)

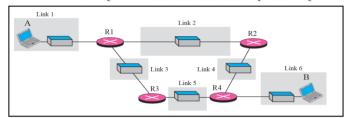
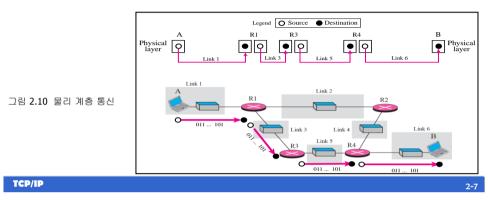


그림 2.9 사설인터넷



2.3 TCP/IP 프로토콜 (계속)

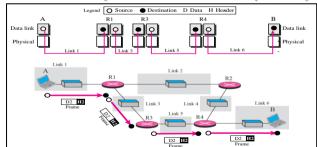
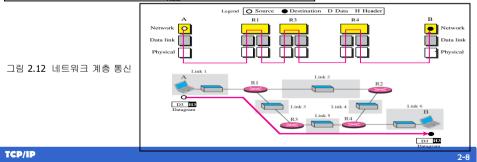
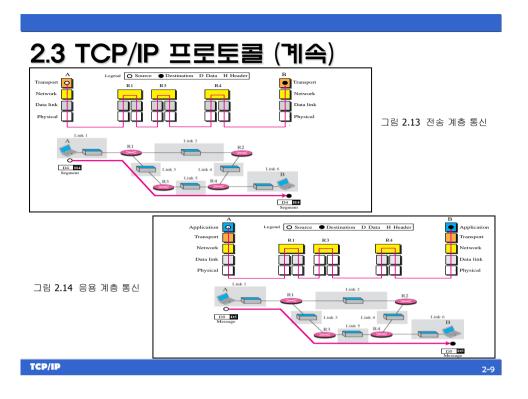


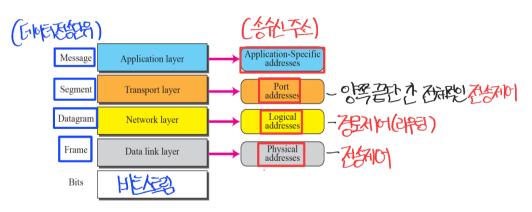
그림 2.11 데이터링크 계층 통신





2.4 주소지정

■TCP/IP에서 사용하는 주소

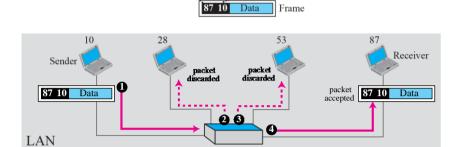


TCP/IP 2-10

2.4 주소지정(계속)

■물리 주소 (예제 2.3 & 2.4)

Destination address .



Source address

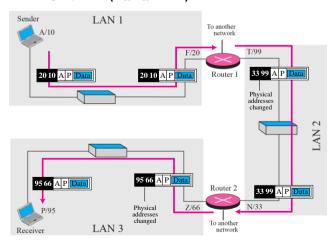
07:01:02:01:2C:4B

• Example of 6-byte (12 hexadecimal digits) physical address

TCP/IP 2-11

2.4 주소지정(계속)

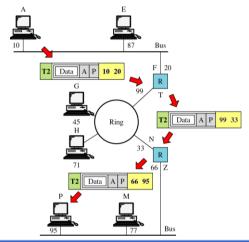
■논리 주소 (예제 2.5)



TCP/IP 2-12

2.4 주소지정(계속)

■논리 주소 (계속)

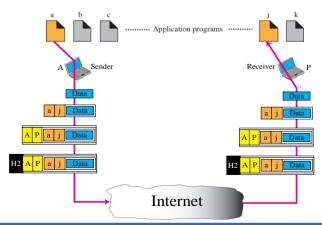


TCP/IP 2-13

2.4 주소지정(계속)

■포트 주소 (예제 2.6)

⇒프로세스를 식별하는 주소: 16 bits



TCP/IP 2-14