

Address IP address IP 31. Network portion + host portion 32 bit - 444 fire host fits offorth - interface 量 引空 五生 一多四章 引上 - 217% fel (globally unique) MAC address MAC うと (physical address): 48 bit 1625至 五世 - 반 엉크럭으로 NIC에 내레(변경개능) - Physically connected interface (subnet) 2 52

- ex) 1A-2F-BB-16-09-AD

- 27 247 4 bit £21

- locally unique

- Ethernet 327 ULLA MAC 322 22 ofuct! - IEEE OT A allocation Zel

MAC & IP

(wired or wireless) 137.196.7(24) 58-23-D7-FA-20-B0 71-65-F7-2B-08-53 137.196.7.23 - 0C-C4-11-6F-E3-98 137.196.7.88

MAC 기音이 없다 > interface 를 옮기기 가능

IP: 제품이 있다. > Not portable PHCP로 IP 변경필요

ARP NRP (Address Resolution Protocol) 平弦 MAC 就是 알아니다!

- IETFO/A 超斗

- 2.5 protocol

- RARP: MACS IPE 实中心 방식도 있다.

ARP Table

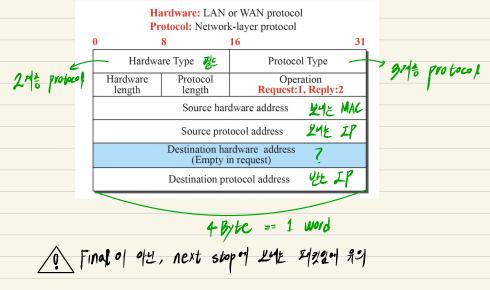
각 되 노드아다 가입고 있다.

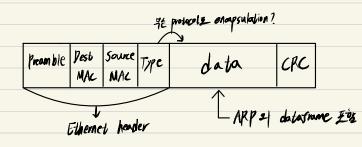
ARP Table < IP Address, MAC Address, TTL>

-> Time To Live

일정시간 연결 않는 시 삭제될



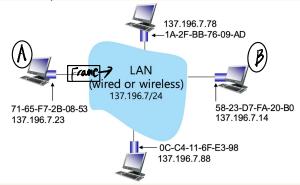




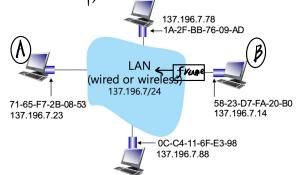
APP 통신 과정

18 Hacking ston

1. Al data = broad Cost (Destination MAC: FF-FF-FF-FF)



- 2 모든 노트가 데이터 양을 키 파크 녹바고, 자기 전이 아니면 버틸
- 3. By unicost = reply (Pestination A)



4. All ARP Table of 1层

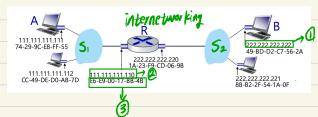
ARP table in A		
IP addr	MAC addr	TTL
137.196. 7.14	58-23-D7-FA-20-B0	500

FIE Network &

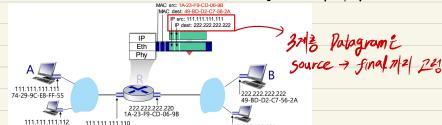
13-0 AT BY IPE OUT.

@ Art routers | Pigget.

@ AT router of MACE out.



- I M data 21 (unicast) MAC dest: routerのMAC
 IP dest: B의 IP
- 2. Routeral 3 Mis 1/2 decapsule > IPA BUT? > MAC dest 43
- 3. Router가 2种言 바퀴서 encapsule. MAC source: router의 MAC MAC dest 'B의 MAC



4. BB data 215

● MAC address と む hop と 完全 子生の다.