ethernet frame / dot11 frame

ethernet frame (802.3 frame) / dot11 frame (802.11 frame)

802.3 frame

• Destination address, Source address

```
> Frame 42: 317 bytes on wire (2536 bits), 317 bytes captured (2536 bits) on interface 0

Very Ethernet II, Src: Cimsys_33:44:55 (00:11:22:33:44:55), Dst: Powercom_3c:7a:00 (00:05:9a:3c:7a:00)

Destination: Powercom_3c:7a:00 (00:05:9a:3c:7a:00)

Source: Cimsys_33:44:55 (00:11:22:33:44:55)

Type: IPv4 (0x0800)
```

802.11 frame

- MAC 주소 지정이 ethernet frame 보다 복잡하다.
- MAC 헤더에 네개의 주소 필드가 존재한다.

Authentication

Type: 0x000b (1011)

Receiver add

Detination add

Transmitter add

Source add

BSSId

- authentication algorithm (0x0000)
- authentication SEQ (0x0002)
- status code (0x0000)

Tagged parameters (11 byte)

Tag Number: 0xddTag length: 0x09

OUI: 00:10:18 (Broadcom)vendor OUI type: 0x02vendor data:

Association request

Type: 0x0000 (0000)

Receiver add

Detination add

Transmitter add

Source add

BSSId

Fixed parameters (4 byte)

• capabilities information: 0x0431 (2byte)

• Listen interval: 0x000a (2byte)

Association response

Type: 0x0000 (0001)

Receiver add

Detination add

Transmitter add

Source add

BSSId

Fixed parameters (6 byte)

• capabilities information: 0x0431 (2byte)

• status code : (2byte)

• association id: 0x01c0 (2byte)