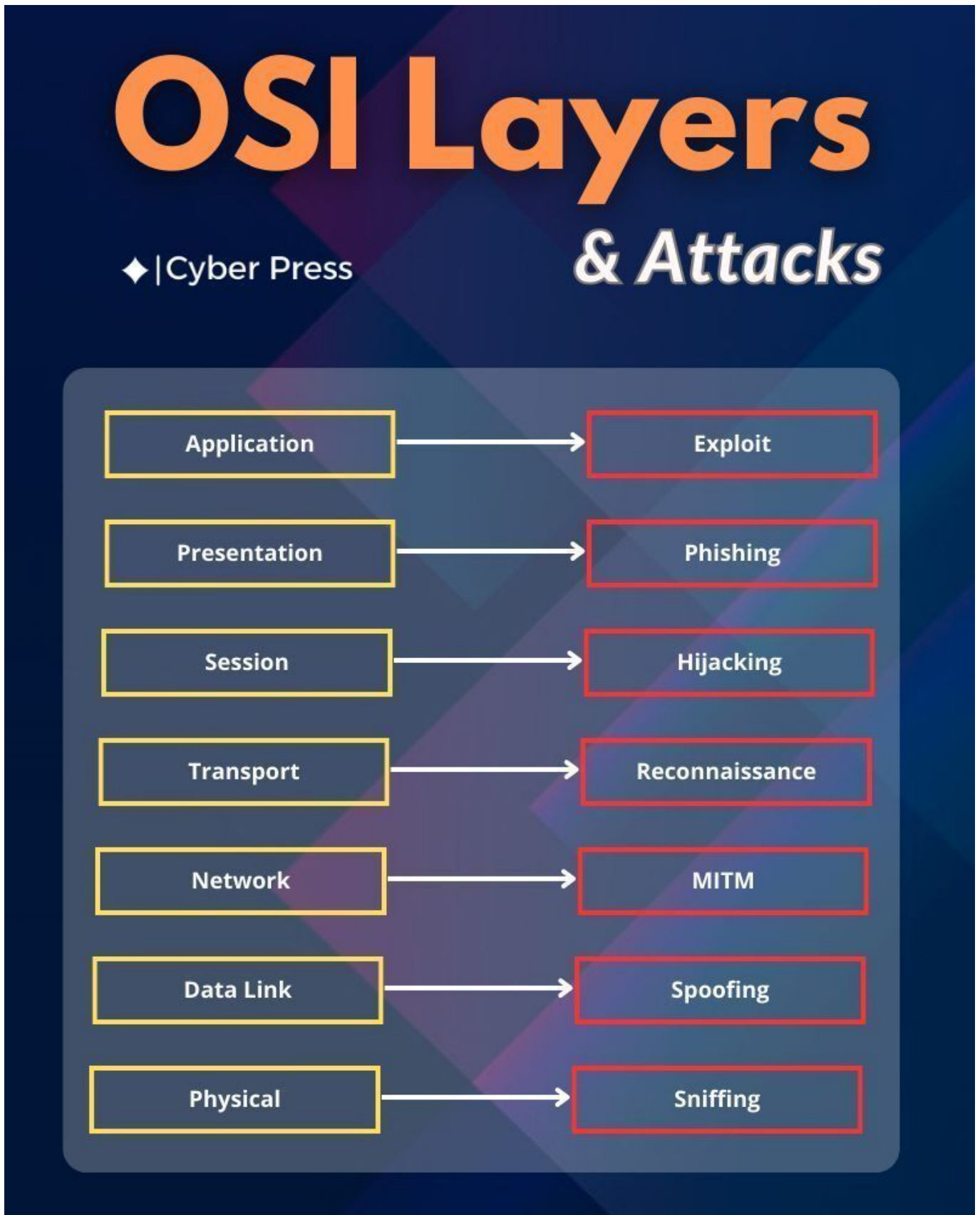


General



Details

OSI Layers & Attacks

7 Application Layer

Request
Response

HTTP, FTP, SMTP

- SQL Injection
- Cross-Site Scripting (XSS)
- DDoS attacks

6 Presentation Layer

compression encryption

encoding

TLS, SSL

- Character Encoding Attacks
- SSL Stripping
- Data Compression Manipulation

5 Session Layer

Session

Sockets

- Session replay
- Session fixation attacks
- Man-in-the-middle attacks

4 Transport Layer

segmentation reassembly

TCP, UDP

- UDP flood
- SYN flood

3 Network Layer

packets packets assembly

IP, ICMP, IGMP IPsec

- IP spoofing
- Route table manipulation
- Smurf attack

2 Data Link Layer

frames intra-network communications

Ethernet, WiFi

- MAC address spoofing
- ARP spoofing
- Switch flooding

1 Physical Layer

sending cable receiving cable

Fiber

- Eavesdropping/Tapping
- Physical tampering
- Electromagnetic interference

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