



آموزش نتورک پلاس

OSI Model

مدل مرجع و مفهومی OSI



 **BlackBerry™**

The BlackBerry logo consists of a blue icon of a stylized keyboard (a grid of dots) followed by the word "BlackBerry" in a blue, sans-serif font, with a trademark symbol (™) at the end.

webOS

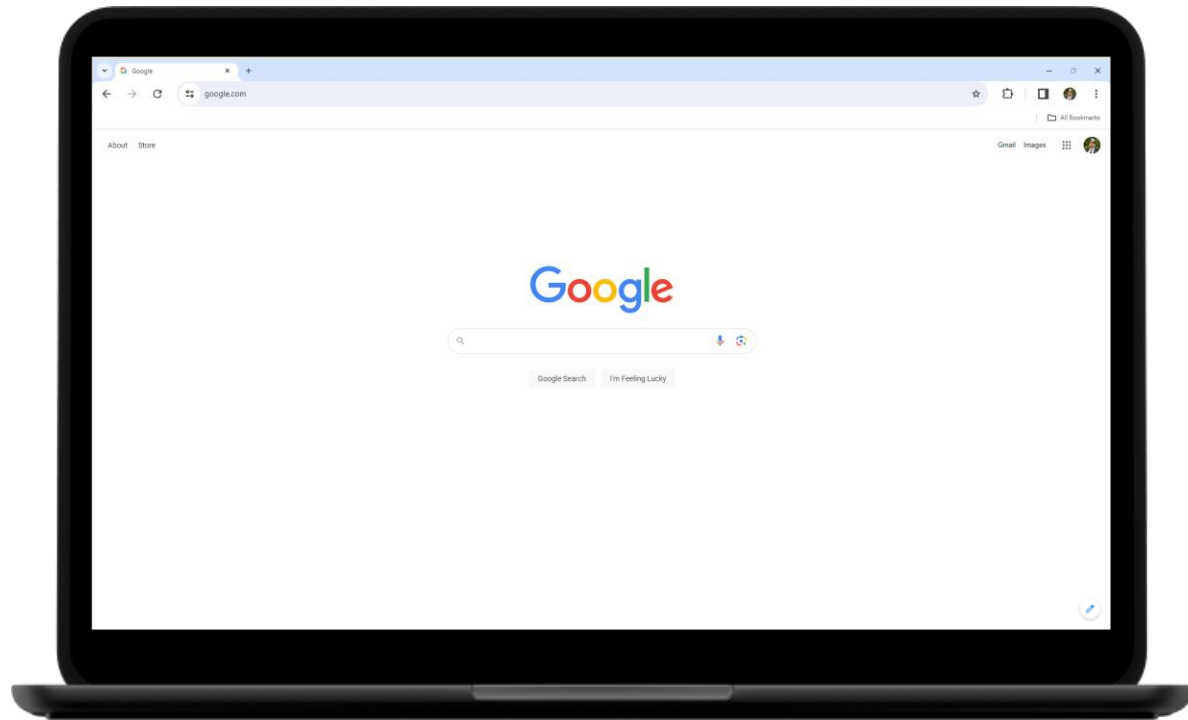
The word "webOS" is written in a grey, sans-serif font. The "O" is significantly larger than the other letters.

syi**mbian**
OS

The Symbian logo features the word "sy**i**mbian" in a bold, black, sans-serif font, with a small yellow dot above the "i". Below it, the letters "OS" are written in a smaller, black, sans-serif font.

 Windows Phone

The Windows Phone logo features a red icon of a stylized window (four panes) followed by the words "Windows Phone" in a red, sans-serif font.



The Open Systems Interconnection model

Application

Presentation

Session

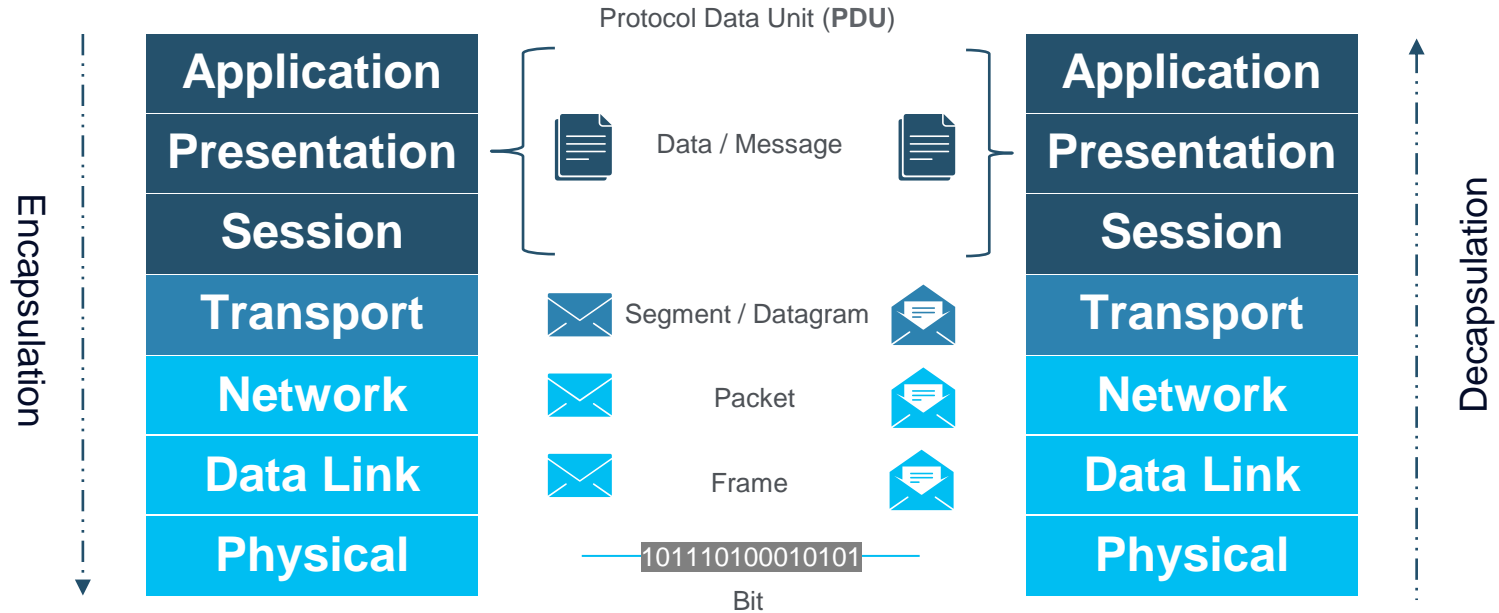
Transport

Network

Data Link

Physical

The Open Systems Interconnection model



Layer 1: Physical



Application

Presentation

Session

Transport

Network

Data Link

Physical

Layer 1: Physical



Application

Presentation

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Layer 2: Data Link

- It is often divided into two sublayers:
Logical Link Control (LLC)
Media Access Control (MAC)
- Error detection and correction
- Physical Addressing
- L2 switching

Application

Presentation

Session

Transport

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Data Link

Physical

Layer 3: Network

- Logical Addressing
- L3 Switching and Routing
- Route discovery and selection
- Flow control
- Packet reordering

Application

Presentation

Session

Transport

Network

Data Link

Physical

Layer 4: Transport

- End-to-End Communication
- Connection-oriented vs. connectionless
- Logical ports

Application

Presentation

Session

Transport

Network

Data Link

Physical

Layer 5: Session

- Responsible for **establishing, maintaining,** and **terminating** communication sessions.

Application

Presentation

Session

Transport

Network

Data Link

Physical

Layer 6: Presentation

- Data Translation
- Encryption and Decryption
- Data Formatting
- Compression and extraction

Application

Presentation

Session

Transport

Network

Data Link

Physical

Layer 7: Application

- It is the interface between network services and end-user applications.
- Application Protocols
HTTPS (for web browsing),
SMTP and POP3 / IMAP (for email),
and FTP (for file transfer).

Application

Presentation

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Data Link

Physical



عباس ولی زاده

مدرس دوره های شبکه و امنیت