

Basic Concepts: Part II

Layered Model

- Motivation
 - Characteristics
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OSI 7-Layer Model

- L7 - Application
 - L6 - Presentation
 - L5 - Session
 - L4 - Transport
 - L3 - Network
 - L2 - Link
 - L1 - Physical
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Internet Layers

- Application
 - Transport
 - Network
 - Link
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Protocol Hierarchy in a Packet

- Conceptual View
 - Example
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Layers - Example

- Encapsulation
 - Decapsulation
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Common Functions of a Layer

- Addressing
 - Error Control
 - Flow Control
 - QoS
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Terminology

- Router
- Switch

- Hub
- Application layer switch
- Deep packet inspection

Performance Measures

- Throughput, goodput
- Latency, RTT, Jitter
- Packet Loss Rate

Time-Space Diagram

