



컴퓨터네트워크

0주차: Introduction

강의 : 신경섭

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Course Outline

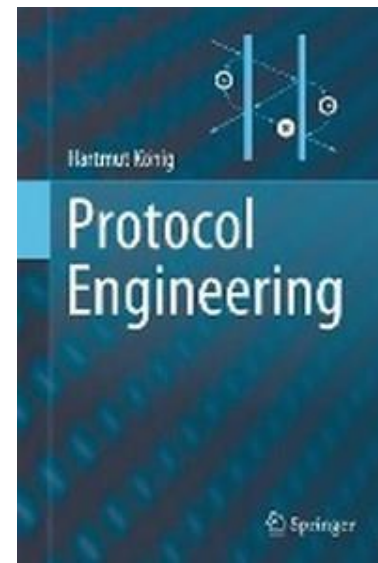
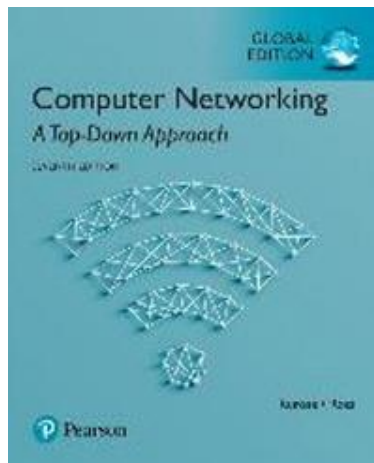
- 개요 : 네트워크의 개념 및 네트워킹 기법에 대해 이해
 - 네트워킹 개념 및 관련 요소에 대해 이해
 - 다양한 통신 네트워크 구조에 대해 이해
- 평가 기준
 - Midterm: 30%
 - Final: 40%
 - Project/Homework/Quiz: 20%
 - Attendance: 10%



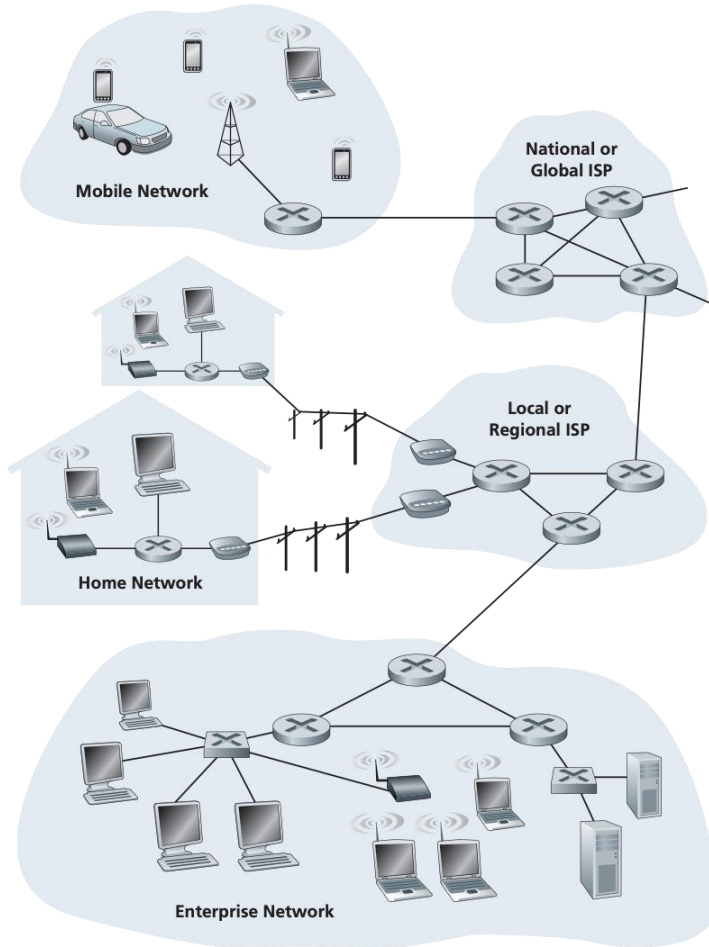


Course Outline

- 교재 : Computer Networking - A Top Down Approach (James F. Kurose and Keith W. Ross, Seventh Ed.)
- 부교재 : Protocol Engineering (Koenig, Hartmut)



Course Outline



Key:



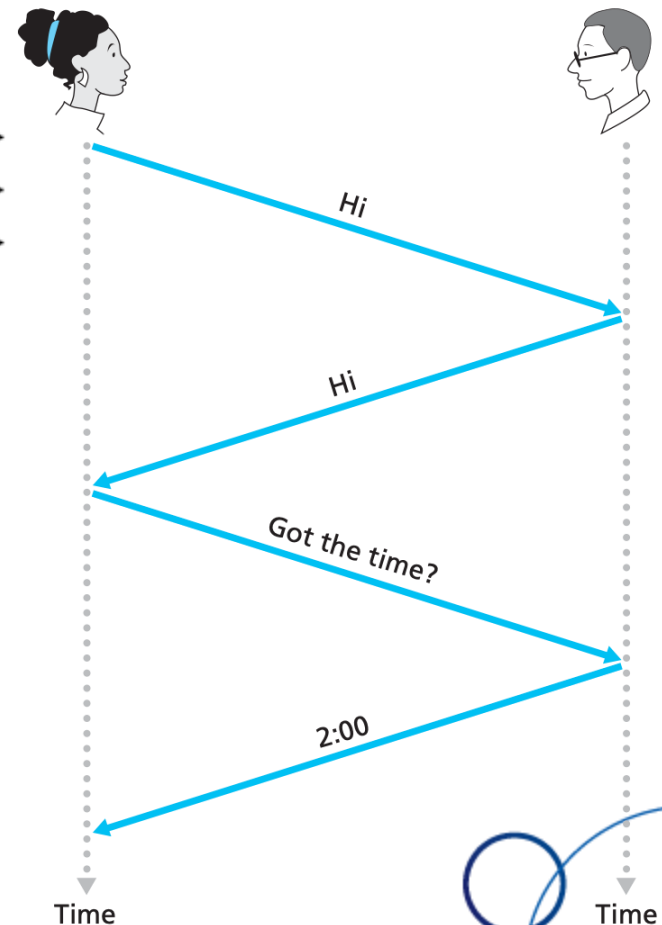
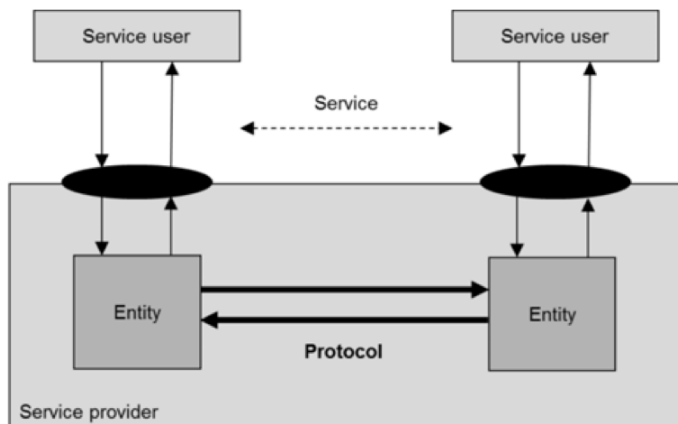
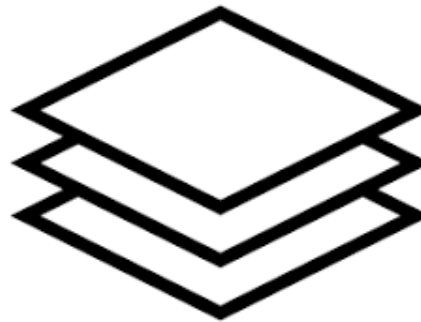
- 통신 네트워크란 무엇인가?

- end node들이 얹히고 설힘
- End-to-end
- Sub-networks



Course Outline

- 무엇을 배우는가?
 - Protocol
 - Layers
 - Network examples





Course Outline

- Protocols
 - Concepts and Principles
 - Ethernet
 - IP, TCP
 - Mobile network protocols (GTP, AS/NAS 등)
- Layer / Protocol stack
 - WiFi
 - Access Stratum (LTE radio protocols)
 - SAE (LTE Core)





Course Outline

- Network
 - Circuit switched (PSTN) / Packet switched
 - Local Area Network
 - Personal Area Network
 - Wide Area Network / Internet





Course Outline

- 선행 역량
 - 기본 프로그래밍
- 교과목 진행
 - 네트워크 공학 관련 이론 강의
 - 프로토콜 실습 by LoRA

