Computer Network Programming

Introduction to Computer Network Programming

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What is the goal ?

What ?

Software system

Software architecture

software decomposition into sub-systems that provide some related set of services

[Sommerville, Software Engineering, 2006]

What ?

Distributed software systems

a software system where the information processing is distributed over several computers

[Sommerville, Software Engineering, 2006]

What ?

The goal

learn how to implement
the communication between sub-systems
distributed over a computer net

but **NOT** from scratch

What ?

Hides some communication details
at different levels of abstraction

Goal refinement

... based on the interfaces (APIs) of several existing communication infrastructures