

# Architecture

# What is architecture?

## Not just ‘work properly’!

- The shape given to a software system
  - the division of the system into components
  - the arrangement of those components
  - the ways in which those components communicate with each other
- Goals
  - Minimize the lifetime cost of the system
    - development, deployment, operation, and maintenance
  - Maximize programmer productivity
    - easy to understand, develop, maintain and deploy
- Strategy for a good architecture
  - Leave as many options open as possible, for as long as possible