

Distributed Systems

COMP90015 2019 Semester 1
Tutorial 01

1. Provide a definition of a Distributed System

a collection of independent computers

2. Briefly explain the difference between a computer network and a distributed system.

least concerned with hardware
ds: concurrency
ds: platform
network is connected computers

3. List three reasons for using a distributed system.

1. resource sharing

4. Briefly explain four consequences when using distributed systems, i.e. issues that arise that are not present otherwise.

bank application: critical on concurrency

heterogeneity: 异质性

no global clock: when the event sent financial transaction

independent failures:

Quick Eclipse Demo

- Create a new Eclipse project
- Add a JAR file (internal / external)
- Build an executable jar file

Extra Question Slide

What are the things to consider when building a distributed system