

Distributed Systems

COMP90015 2019 Semester 1
Tutorial 04

Questions

Q1. Briefly discuss three aspects of the Socket interface.

Socket TCP
socket s = (interaddr, port)
Datagram Socket UDP

Q2. Briefly explain three possible failures that can happen when using UDP for communication.

Q3. Briefly explain three aspects of TCP that address issues not addressed by UDP.

Q4. List the steps involved at the client and at the server to establish a TCP stream socket connection.

data marshalling
obj
- String name
- Type data
Pro: convert the above into a standard form
(XDR)
JSON XML COBRA CDR Java Serializable way do marshalling

Questions

Q5. Give a reason why representing data using XML is preferable over a scheme such as CORBA's data representation.

Q6. Give a reason why JSON data representation is preferable over XML.

Project Discussion