CSE563: Internals of Application Servers

Spring Semester 2021

Lecture Notes and Class Quiz

Instructor: **Ramesh Loganathan**

Class Topic: **RPC(Remote Procedure Call)**

Summary:
This lecture covered the basic working of RPC protocol. RPC stands for Remote Procedure Call. RPC is a request–response protocol.

An *RPC is initiated by the client*, which sends a request message (stubbed code) to a known remote *server* to execute a specified procedure with supplied parameters. The remote server sends the required response to the client, and the application continues its process.

While the server is processing the call, the client is blocked (it waits until the server has finished processing before resuming execution), unless the client sends an asynchronous request to the server.

RPC provides **Abstraction**. The internal message passing mechanism of RPC is hidden from the user.

Class Quiz:

Question 1: Why do we need RPC?

Question 2: What is the purpose of stub in RPC?

Question 3: What are the requirements of RPC protocol?

Submission Format:

1. The quiz answers can be hand-written or typed.
2. Duration of the quiz is 15 mins.
3. Submit it as Roll_Number.pdf

Board Snapshot: