

CSE563: Internals of Application Servers

Spring Semester 2021

RPC Server Protocol

A problem statement was discussed in the class about how to design a complete RPC Protocol. In this assignment we want you to implement the solution which was discussed in the class.

Overview:

- Server Side: Server is listening only over ftp on http.
- Client Side: Client wants to execute some functions defined on the server using RPC.

Use Cases:

- All the communications will be over ftp on http.
- Multiple clients can request services from the server at the same time.
- Any number of functions should be supported at server side and for each function there can be multiple versions (function will be differentiated on name not on function signature).
- Server-side developer should have an option to depreciate till a given version (including that) for a function.
- Appropriate basic error handling (In RPC Protocol part).

Submission format: <roll no>_lab4.zip

Programming Language: Python (mandatory)