

Written Assignment 1

1.

We need RPC for the following reasons:

- It provides an abstraction for the message passing. Thus one would feel as if they are interacting locally and not over a network.
- Both sides can implement the code in their own way with just agreeing on the protocols.
- We can remotely call procedures easily.

2.Stub

The stub is a small code which actually runs the main library to be run.

Since the two functions are on different machines we need some sort of conversion for the parameters so that they will feel like they are on the local machine.

Thus both parties create a stub which in turn interact by passing arguments and calling functions.

The stubs to the conversion deconversion of the message parameters.

3.Requirements:

Function signatures to be defined.

The request and response parameters data types should also be agreed upon.

The message passing protocol should be same TCP/IP,etc.