Seminar in week 47 – RPC Standards & Implementations

The purpose of this seminar is to talk about some commonly used RPC standards and implementations. Thereto, each group will give a presentation / mini-lecture about one such topic.

Each group has 15-20 minutes of time talking about their topic. What exactly you focus on is up to you, but it should be something interesting, entertaining and/or insightful for your fellow students. Possible aspects that could be discussed include general design/architecture concerns, in-depth look at interesting details, communication protocols, relation to the general view discussed in the lecture, or use-case scenarios, etc.

The presentation has to include a little HowTo using the respective RPC framework to read the content of a folder (like Windows: dir; or UNIX: ls) of the file system on the server and display it on the client side. (Obviously, you need to work with the framework to prepare this part). A live demo would be nice, but is not necessary.

Select something that your group feels is interesting to talk about, interesting to hear about, and do not attempt to go into every detail as 15 minutes can be surprisingly short.

Topics and Groups will be assigned in the lecture!

Frameworks to discuss: Apache Thrift, Apache Avro, gRPC, CORBA, Zeroc Ice, JSON-RPC, RPyC, Java RMI