

# Remote Procedure Calls (RPC)

So, we would like to use procedure call as a model for distributed (remote) communication

Lots of issues

- How do we make this invisible to the programmer?
- What are the semantics of parameter passing?
- How do we bind (locate, connect to) servers?
- How do we support heterogeneity (OS, arch, language)?
- How do we make it perform well?

# Why is RPC interesting?

**Remote Procedure Call (RPC)** is the most common means for remote communication

It is used both by operating systems and applications

- DCOM, CORBA, Java RMI, etc., are all basically just RPC
  - NFS is implemented as a set of RPCs
- ➔ Someday you will most likely have to write an application that uses some form of RPC for remote communication (or you already have)