

Remote Procedure Call

Andy Wang

Operating Systems

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Primitives to Build Distributed Applications

- *send* and *receive*
 - Used to synchronize cooperating processes running on different machines
 - Communicate through *mailboxes* (ports)
 - Temporary holding areas for messages
 - Atomic operations
 - send/receive the entire message or nothing

More on **send** and **receive**

- To put a message to the network
 - **send(message, destination_mbox)**
 - **receive(buffer, mbox)**
 - Waits until a message arrives
 - Copies the message into a given buffer