RPC - Remote Procedure Call

Motivation: RPC allows a client program on onc Machine to call procedure on a server machine as y it is a local procedure.

PRINCIPLES

Client Server Model: Client (Calls), Server (Executes)

shb Generalion: acts as proxy (Marshals, Unmarshal)

Binding: Client to know Server's N/W address

Proposal (TCP, UDP)

: Metwork failure handling.

Result Packet
Implementation of RPC mechanism

Error handling

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belveen Client & server

culls

Binding trocess: y client doesn't know Server Machine Client Machine a server i address it Return Call Execute Return performs Service ducovery name selver-referens Unmarshal Marishal unManha 2 11 adhess & port number Client stub Server stub of selver Unpack Unpack Pack Pack Marshalling: Seicalites
Clacks) to RPC Runtime RPC Runtime format suitable for Transmission ove Receive Wait Send Send Call Packet RPC Ruhme: manages

