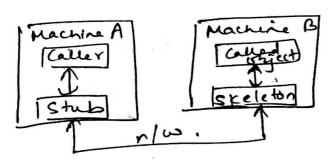
The Communication in distributed Object is done by narious middleware language like RMI, CORBA (Common object request broker). Invoking a method on a remork object is known as RMI or remote invocation.

Hoistributed object communication realizes communication blu distributed objects.



or an interface then the stub parson caller arguments on interface then the stub parson caller arguments over the niw to the senier skelcher. The skelcher then parses received data to the called object, then parses received data to the called object, white the a response to returns the result to the called ships.

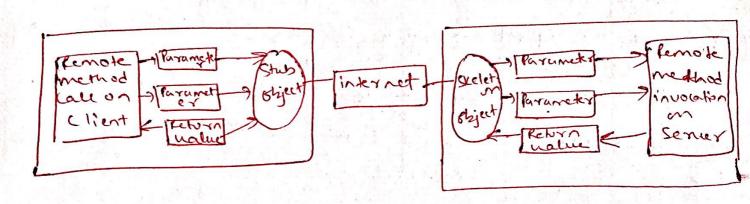
Stub: - The client side object in distributed object communication is known as a shub or proxy. The shub continuation is known as a shub or proxy. The shub cots as a gateway for client side objects he are outs as a gateway for client side objects that Outgoing requests to server-side objects that rough it.

Skeleton: - The senser-side object participating in distributed object communication is known as in distributed object communication is known as skeleton. A skeleton acts as the gateway for sense skeleton. A skeleton acts as the gateway for sense side objects to all incoming Client requests are side objects to all incoming Client requests are souted through it. The skeleton wrops senser object functionality to exposes it to the clients

Me (femole Procedure Call): - is a fowerful technique for constructing distributed, client - senier based applications. It is based on extending the Conventional local procedure Calling, so med she Called procedure reed not exist in the same address space as she Calling Procedure. the two processes may be on the same system, or they may be on different system with a now Connection men. Cornecting men. when making a Remote Procedure Call:-(server process) Caller (chient process) (Procedure execution Call procedure, Y send reply to wait lessemention & Remote procedure Call model working of RPC 1. A client invokes a client Stub Procedure, larsing Parameter in usual way. 2. The client stub marshalls (Pack) the parameter into a may. 2. The client stub passes the mag to the tourse out layer, which sends It to the remote senser machine

Remote method involution in Jacq is an API which allows an object to invoke a method on an object that exists in another address space, which could be on some machine or on a remote machine.

working of RMI



Shib object: _ The shib object on the client machine builds an into block by sends thesings to the builds an into block by sends the ships to the senur. The block Consists of

- of An identifier of the remote Object to be used
- Method name which is to be invoked.

 larameters to see remote JVM.

Skeleton Object . - The skeleton Object Passes The request from she ship ect to she remote thiset. It performs she following task.

- Tit alls the desired method on the real object friesent on the senier.

-1 it firmards the parameters ship Object no se method.

y on the senier, the transport layer paires the mersage to a senier stub, which demarkshalls the parameters be calls she desired Sener noutine using the regular procedure Call to the senier procedure completes, it returns to the senier Stub, which marshalls the return values into a message.), one toursport larger sends the result mag back to the client transport layer, which hands the mag back to the client Shub.) The client ship demarshalls the return Eparameters le execution returns to se Celler. Client Return Coul Sener ship client stub (mpack Pack) Receive Send RPC Runtimed Receive (wait send) Care Packet Result Packed. Implementation of RPC mechanism