

Step 5.Start the RMI Registry on your server

- RMI supports a non-persistent naming service
- Allows you to retrieve and register server objects
- prompt>start rmiregistry - WI N95: start rmiregistry
 - Unix: rmiregistry &

Step 6.Start Server Objects • Load server class and create instances of your remote objects public class CountRMIServer { public static void main(String[] args) { System.setSecurityManager(new RMISecurityManager()); try { CountRMIImpl myCount =new CountRMIImpl("myCountRMI"); } } }

System.out.println(*RMIServer ready*);

}

Step 7.Register Remote Objects with the Registry

public CountRMIImpl(String name) throws RemoteException {
 super();

try {
 Naming.rebind(name, this);

sum = 0;

}

}

CountRMI myCount = (CountRMI)Naming.lookup(:rmi://"+args[0] + "/" + "myCountRMI"); //set sum to initial value

Step 8. Write Client Code

System.out.println("setting sum to zero"); myCount.sum(0);

Step 9.Compile Client Code

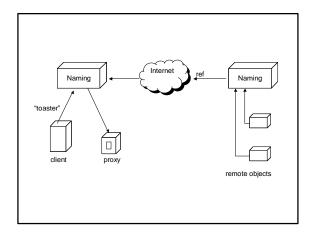
javac CountRMI Client.java

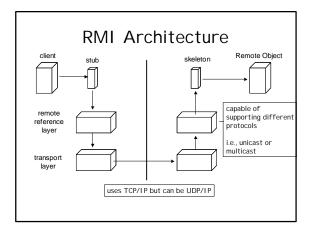
Step 10.Start the Client

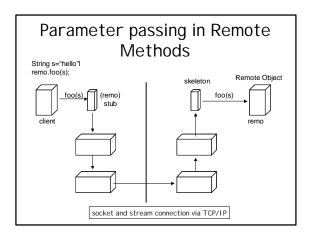
- On client (or in separate DOS window if using local host)
- java CountRMI Client

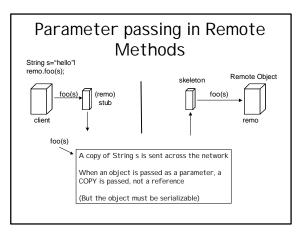
class: Naming

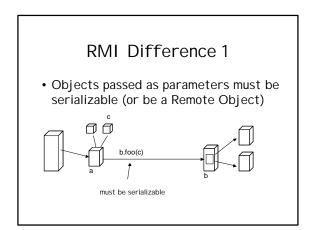
- An RMI class
- Must live on both client and server machines
- Serves as Lookup service for remote objects
- Remote objects must register with Naming service
- Clients use client-side Naming object to get the appropriate stub reference.

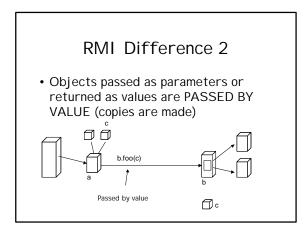














- Remote Objects override
 - equals()
 - hashCode()
 - toString()

equals()

- Default behavior is inherited from Object
- s.equals(q)
 - are s and q pointing to the SAME object
- Many classes override this in order to use Hashtables where
 - hashcode() is used to select a hash bucket
 - equals() is used to match a given object against other objects in the hash table that have the same hashcode

