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Remote Method Invocation

**Slides Adapted from “Core Java
2” by Cay Horstmann, the RMI
Tutorial from Sun, and Coulouris
text on Distributed Systems**

Goals/Principles Of RMI

- Distributed Java
- Almost the same syntax and semantics used by non-distributed applications
- Allow code that defines behavior and code that implements behavior to remain separate and to run on separate JVMs
- The transport layer is TCP/IP

Goals/Principles Of RMI

- On top of TCP/IP, RMI originally used a protocol called Java Remote Method Protocol (JRMP). JRMP is proprietary.
- For increased interoperability RMI now uses the Internet Inter-ORB Protocol (IIOP). This protocol is language neutral and runs on TCP/IP providing a standard way to make method calls to remote objects.