Java RMI is a technological mechanism allowing a server and client communicate to pass information relying on the Java Remote Method Protocol (JRMP). It allows an object running in a Java Virtual Machine (JVM) to invoke methods on an object running in another JVM. Thus RMI facilitates the remote invocation of Java object methods and sharing of resources and services. RMI also allows a client and server to load new object types dynamically as required.

RMI architecture is divided into Application layer, Stub and skeleton layer, Remote reference layer and Transport layer.

The advantages of Java RMI can be described as:

* Portable to any JVM
* Part of Java’s write once run anywhere (WORA) approach
* Safe and secure: Uses built-in Java security mechanisms to facilitate system safety during user download implementations
* Easy to write/Easy to maintain: Facilitates write remote Java servers and Java clients that access those servers

Techopedia (n.d.). *Java Remote Method Invocation (Java RMI)*. URL:

<http://www.techopedia.com/definition/23999/java-remote-method-invocation-java-rmi>.