

Information Systems Integration and Testing

1. [Introduction](#)
2. [Software Integration](#)
3. [Evolution of Software Integration methods](#)
4. [Basic Point to Point data integration - Integration based on TCP/IP Sockets](#)
 - [Java example for Blocking and Non-Blocking Socket](#)
 - [Python example for Blocking and Non-Blocking Socket](#)
 - [Socket Exercises](#)
 - [HTTP server](#)
5. [Java - Remote Method Invocation](#)
 - original paper: <https://pdos.csail.mit.edu/6.824/papers/waldo-rmi.pdf>
 - Oracle tutorial: <http://docs.oracle.com/javase/tutorial/rmi/index.html>
 - Java Group chat: [Group chat](#)
 - Nodejs group chat: [Group chat - Nodejs](#)
6. [Integration based on RPC Remote Process Call](#)
 - [XML-RPC example](#)
7. [Object Request Broker](#)
8. [Modern Data Integration based on Protocol Buffer](#)
9. [Google's modern remote procedure call technique](#)
10. [JSON-RPC JavaScript Object Notation - Remote Procedure Call](#)
11. [Docker integration techniques](#)
 - [Simple multi container example](#)
 - [Load balancing with haproxy](#)
12. [Messaging systems](#)
 - [RabbitMQ_simple](#) - simple producer and consumer
 - [RabbitMQ](#) - more complex example
13. [Web services](#)
 - [JAX-WS web service](#)
 - [JAX-RS web service](#)
14. [GraphQL integration](#)
15. [Enterprise Service Bus \(ESB\)](#)

From:

<https://edu.iit.uni-miskolc.hu/> - **Institute of Information Science - University of Miskolc**

Permanent link:

https://edu.iit.uni-miskolc.hu/tanszek:oktatas:iss_t:lecture_notes?rev=1772384197

Last update: **2026/03/01 16:56**

