

Contact

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Building RMI-based distributed systems

1. Objectives

- Building distributed systems
- Synchronous communication systems
- Introduction to Java Remote Method Invocation (RMI)

2. Prerequisites

- Java programming

3. Description

- a) Build an RMI-based chat system, where participants can dynamically join, leave, exchange messages
- b) Add a history feature to the chat system
- c) Make the chat system persistent (persistent history of messages)
- d) Implement a graphical user interface for the chat system

4. Software environment

Used software

- Java 2 SDK
- IDE (e.g. Eclipse)

Directory organization

Organize your directory as follows:

- src/
 - .java files
- classes/
 - .class files
- doc/
 - Javadoc API and HTML files
- lib/
 - .jar files