

Java SE API Documentation

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Java® Platform, Standard Edition & Java Development Kit Version 21 API Specification

This document is divided into two sections:

Java SE

The Java Platform, Standard Edition (Java SE) APIs define the core Java platform for general-purpose computing. These APIs are in modules whose names start with `java`.

JDK

The Java Development Kit (JDK) APIs are specific to the JDK and will not necessarily be available in all implementations of the Java SE Platform. These APIs are in modules whose names start with `jdk`.

All Modules

Java SE

JDK

Other Modules

Module	Description
<code>java.base</code>	Defines the foundational APIs of the Java SE Platform.
<code>java.compiler</code>	Defines the Language Model, Annotation Processing, and Java Compiler APIs.
<code>java.datatransfer</code>	Defines the API for transferring data between and within applications.
<code>java.desktop</code>	Defines the AWT and Swing user interface toolkits, plus APIs for accessibility, audio, imaging, printing, and JavaBeans.
<code>java.instrument</code>	Defines services that allow agents to instrument programs running on the JVM.
<code>java.logging</code>	Defines the Java Logging API.
<code>java.management</code>	Defines the Java Management Extensions (JMX) API.
<code>java.management.rmi</code>	Defines the RMI connector for the Java Management Extensions (JMX) Remote API.
<code>java.naming</code>	Defines the Java Naming and Directory Interface (JNDI) API.
<code>java.net.http</code>	Defines the HTTP Client and WebSocket APIs.
<code>java.prefs</code>	Defines the Preferences API.

Using the Documentation

- Select the java.base module
- (Scroll down) Select the java.net package
- The Javadoc for each package includes
 - A package overview
 - Links to package interfaces, classes, and exceptions
 - You can click through to see details of fields and methods

Exercise

1. Give the constructor for creating a client-side socket with hostname and port. (Give the class name and parameter list)
2. Give the method so a server-side socket can listen for in-coming connections.
3. What object is returned by the method in Q2?