

API: Application Programming Interface

A software intermediary that allows two applications to talk to each other. Each time you use an app like Facebook, send an instant message, or check the weather on your phone, you're using an API.

How an API works

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graph LR; A[Web app in browser] -- Request --> B[Internet]; B <--> C[API]; C <--> D[Web Server]; D --- E[(Database)];
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XML: Extensible Markup Language

An XML file is a file used to store data in the form of hierarchical elements. Data stored in XML files can be read by computer programs with the help of custom tags, which indicate the type of element.

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

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.

java.prefs	java.rmi	java.scripting	java.se	java.security.jgss	java.security.sasl	java.sql	java.sql.rowset	java.transaction.xa	java.xml	java.xml.crypto
Defines the Preferences API.	Defines the Remote Method Invocation (RMI) API.	Defines the Scripting API.	Defines the API of the Java SE Platform.	Defines the Java binding of the IETF Generic Security Services API (GSS-API).	Defines Java support for the IETF Simple Authentication and Security Layer (SASL).	Defines the JDBC API.	Defines the JDBC RowSet API.	Defines an API for supporting distributed transactions in JDBC.	Defines the Java API for XML Processing (JAXP), the Streaming API for XML (StAX), the Simple API for XML (SAX), and the W3C Document Object Model (DOM) API.	Defines the API for XML cryptography.

RMI: Remote Method Invocation

An API that allows an object to invoke a method on an object that exists in another address space, which could be on the same machine or on a remote machine. Through RMI, an object running in a JVM present on a computer (Client-side) can invoke methods on an object present in another JVM (Server-side). RMI creates a public remote server object that enables client and server-side communications through simple method calls on the server object.

JDBC: Java Database Connectivity

An application programming interface (API) for the programming language Java, which defines how a client may access a database. It is a Java-based data access technology used for Java database connectivity. It is part of the Java Standard Edition platform, from Oracle Corporation.

