

Java Architecture for XML Binding (JAXB)

Gauri Dubey
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What?

- JAXB is a Java technology specifically designed to simplify working with XML data in Java applications.
- It is part of Java API and allows developers to map Java classes to XML representations without writing complex XML parsing code.





What?

- JAXB automates the process of converting Java objects into XML data and of converting XML data into Java objects
- This bidirectional binding simplifies XML handling, making it more accessible for Java developers who may not have extensive knowledge of XML parsing.



Why?

- To simplify XML Integration:
 - XML is widely used as a standard for data exchange across applications and services. However, parsing and manipulating XML data manually can be time-consuming and error-prone.
 - JAXB offers an automated solution that abstracts away the complexities.



Why?

- To Support Object-Oriented Data Handling:
 - JAXB allows developers to stay within the Java programming environment, treating XML data as if it were native Java objects.
 - By transforming XML data into Java classes, JAXB aligns with Java's object-oriented principles for data manipulation.