

NetBeans IDE Information

General Information

- **Name:** NetBeans
- **Year of Initial Release:** 1996
- **Developer:** Apache Software Foundation
- **License:** Apache License 2.0
- **Latest Version:** Apache NetBeans 19

Description and Purpose

NetBeans is a free and open-source integrated development environment (IDE) used for Java, PHP, HTML, and other languages. It provides a comprehensive set of tools for software development and supports multiple programming languages, making it a versatile choice for developers.

Platforms

NetBeans is available on the following platforms:

- **Windows**
- **Linux**
- **macOS**

Supported Languages

NetBeans supports a wide range of programming languages, including but not limited to:

- Java
- HTML
- PHP
- C/C++
- JavaScript
- XML
- SQL
- Ruby
- Groovy
- Kotlin

Other Important Features

1. **Integrated Debugger:** NetBeans comes with a powerful debugger that allows developers to identify and fix issues in their code efficiently.
2. **Maven Integration:** It has seamless integration with Apache Maven, a widely used project management and comprehension tool.

3. **Version Control:** NetBeans supports version control systems such as Git, Mercurial, and Subversion, making it easy for developers to manage their code repositories.
4. **Code Templates:** The IDE provides a set of code templates for various languages, facilitating faster coding and reducing the chance of errors.
5. **GUI Builder:** NetBeans includes a visual design tool for building graphical user interfaces (GUIs) for Java applications.
6. **Plugin Support:** Developers can extend the functionality of NetBeans by installing various plugins available through the NetBeans Plugin Portal.
7. **Profiler:** The built-in profiler helps analyze application performance, identify bottlenecks, and optimize code for better efficiency.