**Installer l’environnement de développement java**

[1. Prolégomènes 1](#_Toc108896652)

[1.1. Héritage 1](#_Toc108896653)

[1.2. Les concepts de JRE, JVM et JDK 2](#_Toc108896654)

[1.3. Historique des versions de Java 2](#_Toc108896655)

[1.3.1. Release table 3](#_Toc108896656)

[2. Installation 4](#_Toc108896657)

[3. Tests 4](#_Toc108896658)

[3.1. Bytecode 5](#_Toc108896659)

[4. Links 5](#_Toc108896660)

# Prolégomènes

Avant d’attaquer les modalités d’installation de l’environnement de développement java sous Windows, il convient de rappeler le contexte global de la technologie java.

La technologie Java définit à la fois un langage de programmation orienté objet et une plateforme informatique.

La technologie Java a été développée, en 1995, par James A. Gosling chez Sun Microsystems[[1]](#footnote-1) ; cette entreprise a été rachetée par Oracle en 2009. Java est devenu donc propriété d’Oracle Corporation.

## Héritage

Java est un langage de programmation multiplateformes[[2]](#footnote-2), il dérive des langages C et C++, dont il reprend, en partie, la syntaxe.

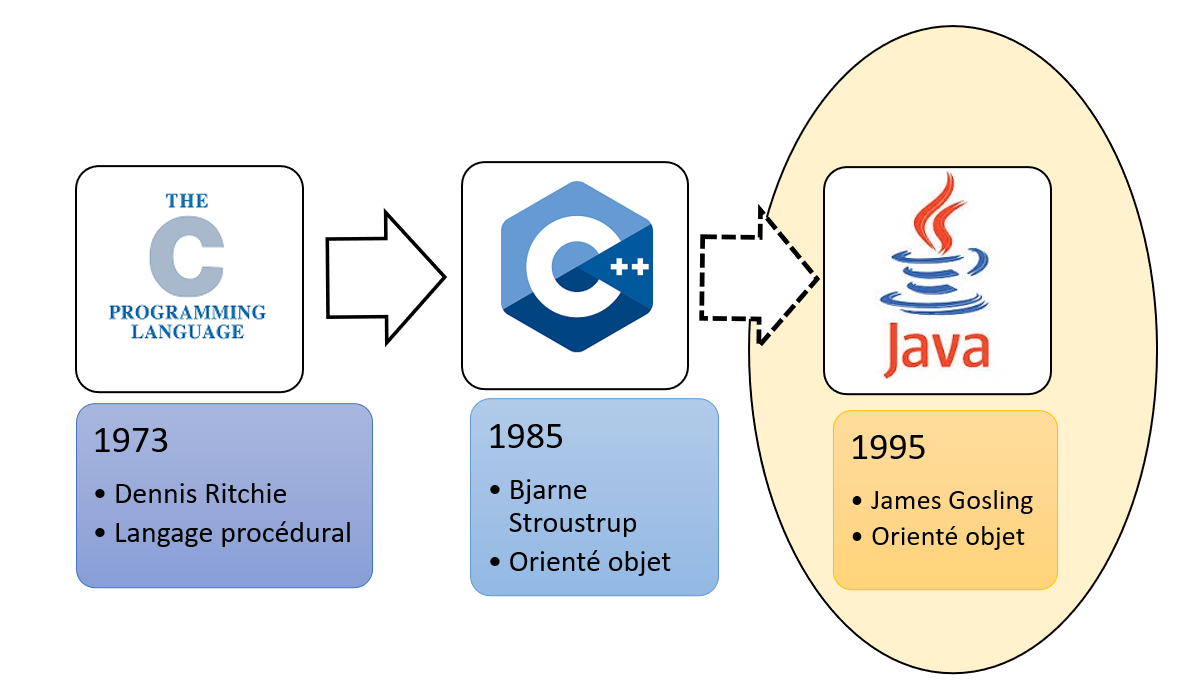


Figure Timeline 3 langages

## Les concepts de JRE, JVM et JDK

En effet, il convient de présenter les notions de JRE, JVM et JDK.

Java reprend la syntaxe du C.

## Historique des versions de Java

<https://en.wikipedia.org/wiki/Java_version_history>

Java 8, 11, 17

### Release table

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Release date** | **End of Free Public Updates**[**[3]**](https://en.wikipedia.org/wiki/Java_version_history#cite_note-auto9-3)[**[8]**](https://en.wikipedia.org/wiki/Java_version_history#cite_note-8)[**[9]**](https://en.wikipedia.org/wiki/Java_version_history#cite_note-9)[**[10]**](https://en.wikipedia.org/wiki/Java_version_history#cite_note-10) | **Extended Support Until** |
| JDK Beta | 1995 | ? | ? |
| JDK 1.0 | January 1996 | ? | ? |
| JDK 1.1 | February 1997 | ? | ? |
| J2SE 1.2 | December 1998 | ? | ? |
| J2SE 1.3 | May 2000 | ? | ? |
| J2SE 1.4 | February 2002 | October 2008 | February 2013 |
| Java SE 5 | September 2004 | November 2009 | April 2015 |
| Java SE 6 | December 2006 | April 2013 | December 2018 December 2026 for Azul[[11]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-Azul-11) |
| Java SE 7 | July 2011 | July 2019 | July 2022 |
| Java SE 8 (LTS) | March 2014 | **March 2022 for Oracle (commercial)** December 2030 for Oracle (non-commercial) December 2030 for Azul May 2026 for IBM Semeru[[12]](https://en.wikipedia.org/wiki/Java_version_history" \l "cite_note-IBM_Semeru-12) At least May 2026 for Eclipse Adoptium At least May 2026 for Amazon Corretto | December 2030[[13]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-:1-13) |
| Java SE 9 | September 2017 | March 2018 for OpenJDK | — |
| Java SE 10 | March 2018 | September 2018 for OpenJDK | — |
| Java SE 11 (LTS) | September 2018 | September 2026 for Azul October 2024 for IBM Semeru[[12]](https://en.wikipedia.org/wiki/Java_version_history" \l "cite_note-IBM_Semeru-12) At least October 2024 for Eclipse Adoptium At least September 2027 for Amazon Corretto At least October 2024 for Microsoft[[14]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-Microsoft"-14)[[15]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-15) | September 2026 September 2026 for Azul[[11]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-Azul-11) |
| Java SE 12 | March 2019 | September 2019 for OpenJDK | — |
| Java SE 13 | September 2019 | March 2020 for OpenJDK | — |
| Java SE 14 | March 2020 | September 2020 for OpenJDK | — |
| Java SE 15 | September 2020 | March 2021 for OpenJDK March 2023 for Azul[[11]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-Azul-11) | — |
| Java SE 16 | March 2021 | September 2021 for OpenJDK | — |
| Java SE 17 (LTS) | September 2021 | September 2029 for Azul At least September 2027 for Microsoft[[14]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-Microsoft"-14) At least September 2027 for Eclipse Adoptium | September 2029 or later September 2029 for Azul |
| **Java SE 18** | March 2022 | September 2022 for OpenJDK and Adoptium | — |
| Java SE 19 | September 2022 | March 2023 for OpenJDK | — |
| Java SE 20 | March 2023 | September 2023 for OpenJDK | — |
| Java SE 21 (LTS) | September 2023 | September 2028 | September 2031[[13]](https://en.wikipedia.org/wiki/Java_version_history#cite_note-:1-13) |
| **Legend:**  Old version  Older version, still maintained  **Latest version**  Future release | | | |

<https://en.wikipedia.org/wiki/Java_version_history>

# Installation

# Tests

Après avoir installé , il convient de vérifier le bon fonctionnement de l’installation.

## Bytecode

Décompilateur

***javap***

# Links

JAVA: INSTALLATION

•

On aura besoin de trois prérequis

•

Java: https://www.java.com/fr/download/

•

Le JDK: https://www.oracle.com/java/technologies/javase downloads.html

•

Télécharger l’IDE que vous souhaitez

•

Eclipse: https://www.eclipse.org/downloads/

•

Netbeans : https://netbeans.apache.org/download/index.html

•

Intelij : https://www.jetbrains.com/fr fr/idea/

1. https://fr.wikipedia.org/wiki/Sun\_Microsystems [↑](#footnote-ref-1)
2. Logiciels(OS) ou matériels(x86,ARM). [↑](#footnote-ref-2)