



Java

# Objetivos

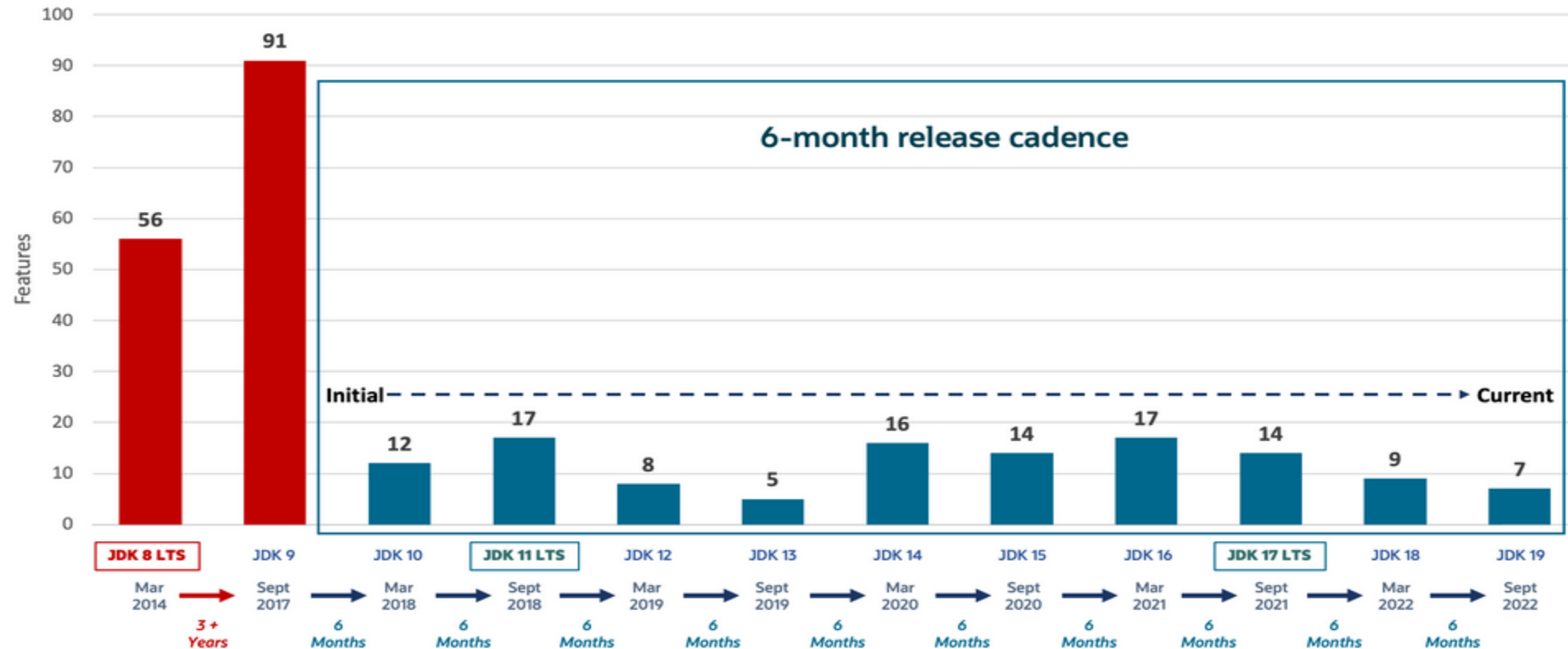
## Java

- Evolución Java

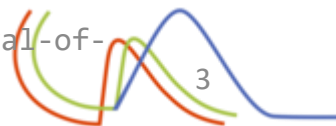
## Versiones

- Java 8
- Java 9
- Java 10
- Java 11
- Java 12,13,14,15,16,17
- Java 18,19

# Java evolution.-



1. Fuente <https://inside.java/2022/09/20/the-arrival-of-java-19/>



# Sus versiones ¿Es de paga?

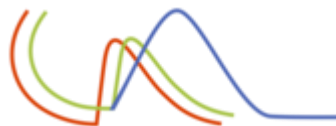
Oracle Java SE Support Roadmap <sup>*†</sup>				
Release	GA Date	Premier Support Until	Extended Support Until	Sustaining Support
7 (LTS)	July 2011	July 2019	July 2022*****	Indefinite
8 (LTS)**	March 2014	March 2022	December 2030*****	Indefinite
9 (non-LTS)	September 2017	March 2018	Not Available	Indefinite
10 (non-LTS)	March 2018	September 2018	Not Available	Indefinite
11 (LTS)	September 2018	September 2023	September 2026	Indefinite
12 (non-LTS)	March 2019	September 2019	Not Available	Indefinite
13 (non-LTS)	September 2019	March 2020	Not Available	Indefinite
14 (non-LTS)	March 2020	September 2020	Not Available	Indefinite
15 (non-LTS)	September 2020	March 2021	Not Available	Indefinite
16 (non-LTS)	March 2021	September 2021	Not Available	Indefinite
17 (LTS)	September 2021	September 2026*****	September 2029*****	Indefinite
18 (non-LTS)	March 2022	September 2022	Not Available	Indefinite
19 (non-LTS)***	September 2022	March 2023	Not Available	Indefinite
20 (non-LTS)***	March 2023	September 2023	Not Available	Indefinite
21 (LTS)***	September 2023	September 2028	September 2031	Indefinite

# Proyectos y sus objetivos

Proyecto	Objetivos
<b>Loom</b>	Entregar hilos más ligeros llamados “virtual threads”
<b>Valhalla</b>	Mejorar el rendimiento del acceso a los datos. Agregar “Value types”, como las clases pero con el rendimiento de los primitivos
<b>Panama</b>	Mejorar la comunicación entre aplicaciones Java y librerías en C
<b>Amber</b> Mejorar la sintaxis del lenguaje y agregar	Mejorar la sintaxis del lenguaje y agregar nuevas funcionalidades

Fuente:

<https://blogs.oracle.com/javamagazine/post/java-project-amber-lambda-loom-panama-valhalla>

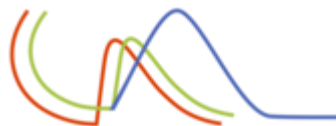


# JDK



ADOPTIUM

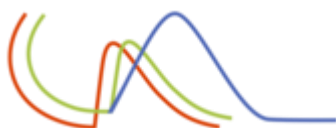
Introducing  
Amazon Corretto





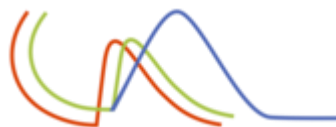
**Spring Tools** | **4**

IDES



# Java 8

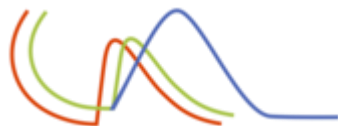
- Programación Funcional
- Uso Lambdas
- Interfaces Funcionales Predicate, Consumer, Supplier, Function
- Stream API
- Method References
- Default Methods
- Date & Time API
- Uso de Optional





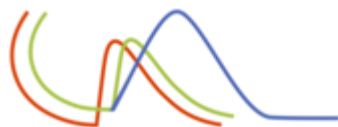
# Java 9

- Conociendo a Jshell
- Métodos privados en interfaces
- Java Platform Module



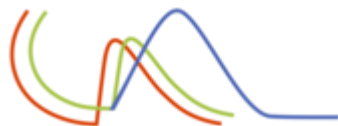
# Java 10

- Métodos nuevos para Colecciones
- Uso orElseThrow en Optional
- Uso de Var



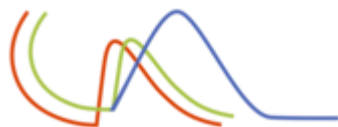
# Java 11

- Uso de not predicate
- Cliente http
- Métodos nuevos a Strings & Files
- Método to Array



# Java 12, 13, 14, 15, 16, 17

- Switch Expressions
- TextBlocks
- Records
- Pattern Matching
- Seled Clases



# Java 18 y 19

- Uso de Simple web server
- Virtual Threds

