

JVM 가.

JVM 가

- : (Specification) .
- : . JVM ,
- .java 가 javac java . ex) javac HelloWorld.java

가

- JVM
- 가 1
- .class .
- 가 , .

JIT

- JIT (Just In Time)
- , 가
- .

JVM

JVM 3가

1. (Class Loader)
 - JAM , Runtime Data Area
 - 3
 1. Loading
 1. (Bootstrap class loader) :

- 2. (Extension class loader) :
- 3. (Application class loader) :
- 2. Linking
 - 1. (verify) : 가 ,
 - 2. (prepare) : 가 ,
 - 3. (resolve) : (symbolic references)가 (actual references) .
- 3. (Initialization) : , .

- 1. (Runtime data area) :
 - 1. METHOD AREA
 - 2. HEAP AREA
 - 3. STACK MEMORY
 - 4. PC REGISTER
 - 5. NATIVE METHOD STACK

- 1. JVM (JVM Execution Engine) : ,
 - 1. INTERPRETER : , . 가
 - 2. JIT COMPILER
 - 3. GARBAGE COLLECTOR
 - 4. JAVA NATIVE METHOD INTERFACE

JDK JRE

JRE	JDK
Java Runtime Environment	Java Development Kit
Java 가) Java Virtual Machine(Java
Java	Java
JRE JDK 가	JDK JRE
JRE JVM, , Java 가	JDK JRE, API , Java , Webstart Java 가

Ref

[Where can I get technical information about Java?](#)
[Java](#) ?

JVM ARCHITECTURE

[JVM](#)
 가 JVM(Java Virtual Machine

- <https://blog.naver.com/hsm622/222138523668>
- <https://jeongjin984.github.io/posts/JVM/>
- https://github.com/league3236/startJava/blob/master/live_study/week1.md
- <https://sowhat4.tistory.com/61>
- <https://github.com/yeo311/java-study-with-whiteship/tree/main/week1>
- <https://gblee1987.tistory.com/173>
- https://github.com/kksb0831/Practice_project/blob/master/Java_Study_01.md
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- https://velog.io/@jaden_94/1%EC%A3%BC%EC%B0%A8-%ED%95%AD%ED%95%B4%EC%9D%BC%EC%A7%80
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- <https://catch-me-java.tistory.com/11>
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- <https://catch-me-java.tistory.com/13>
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- <https://blog.naver.com/baekseongsa/222139174854>
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- <https://www.notion.so/1-01b08b753f0c4e93b16a96101c75d382>
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- <https://gintrie.tistory.com/61>

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