

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](#) ?

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