

# 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

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. - 2023.12

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Last update: **2022/03/10 19:52**

