

# JVM 가.

## JVM 가

- : ( Specification ) .\
- : . JVM ,

## 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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