

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 Java Virtual Machine(가)	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 ?

From:
<http://rwiki.repia.com/> -

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Permanent link:
<http://rwiki.repia.com/doku.php?id=wiki:java:java-lecture:1week&rev=1609762408>

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

