JVM

.

(.java)   JVM   .

JVM

JIT

JVM

JVM   3

1.   (Class Loader)
   - JAM   ,
   - 3
      1. Loading
         1.   (Bootstrap class loader) :
         2.   (Extension class loader) :
         3.   (Application class loader) :
      2. Linking
         1.   (verify)   :   ,
                                                                            .
         2.   (prepare)   :   ,   .
         3.   (resolve)   :   (symbolic references)   (
             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 :   ,   .
       .

    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( )	Java
Java	Java
JRE JDK	JDK JRE
JRE JVM, , Java	JDK JRE, API , Java , Webstart Java

Ref

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