

Java Virtual Machine (JVM)

Class Loaders Subsystem

Loading Classes

A. Bootstrap Class Loader

B. Extension Class Loader

C. System Class Loader

Linking Process

Initialization Process

RunTime Data Areas

Method
Area

Heap

Native Method Stack

Stack Area

Program Counter (PC) Register

Execution Engine

Interpreter

Garbage
Collector

JIT Compiler

Native
Method
Interface
(through JNI)

Native
Method
Libraries

Operating System

Hardware

