웹서버SW / WAS 소개

경북산업직업전문학교 27-JAN-2022

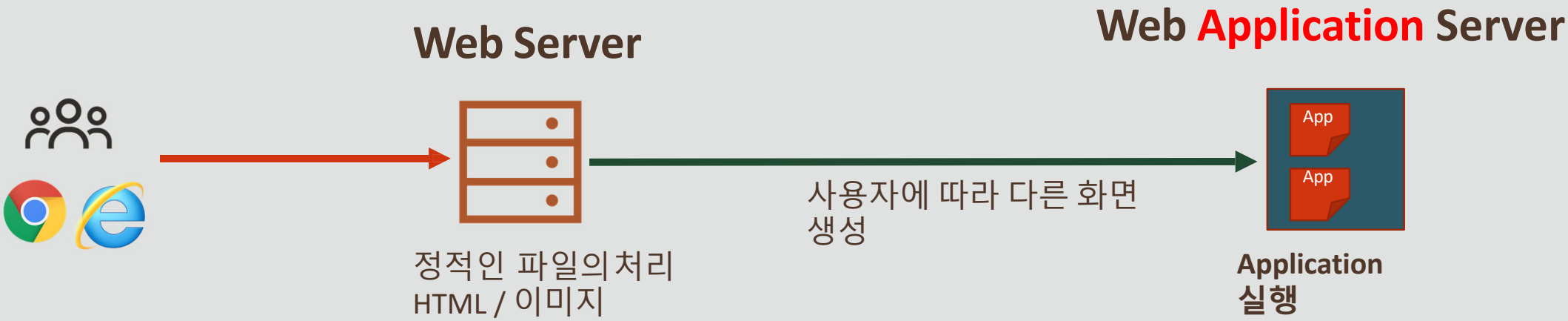
Web Server 와 WAS (Web Application Server)

Web Server

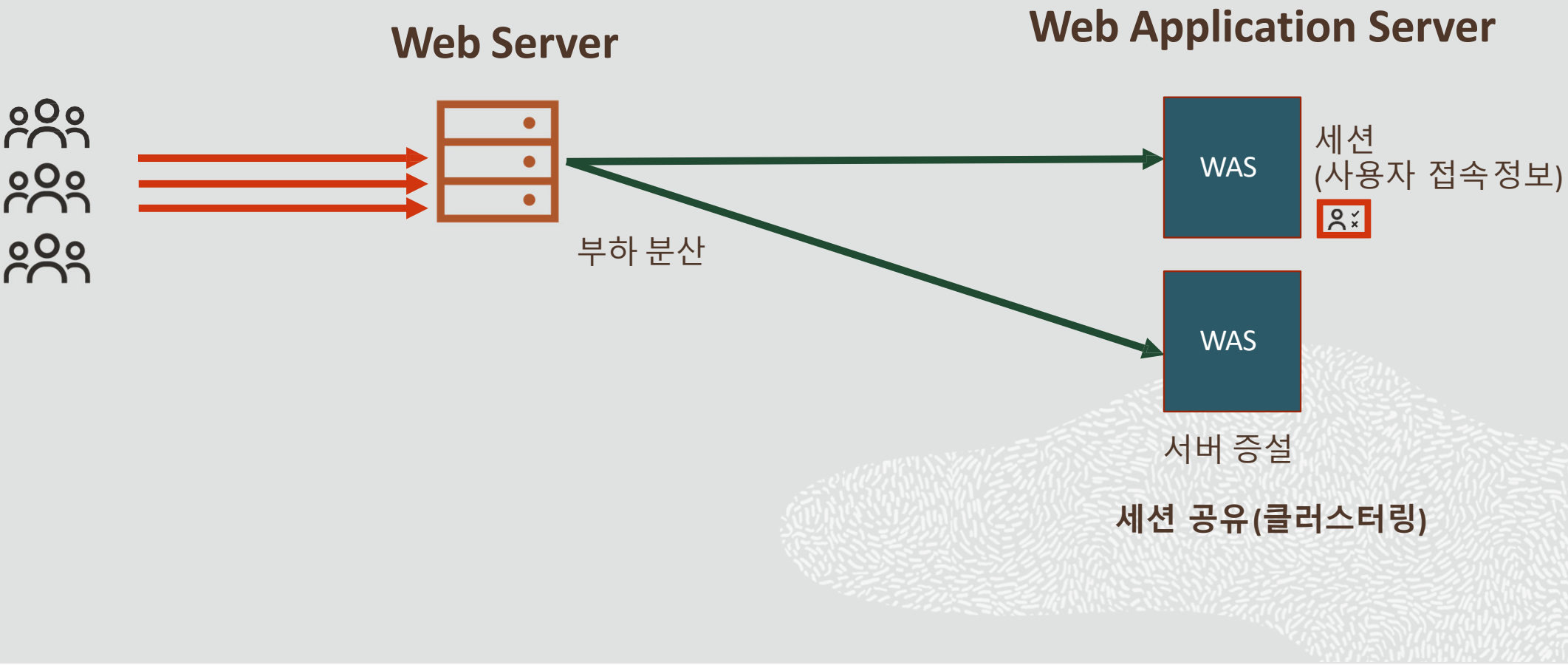
vs

Web Application Server

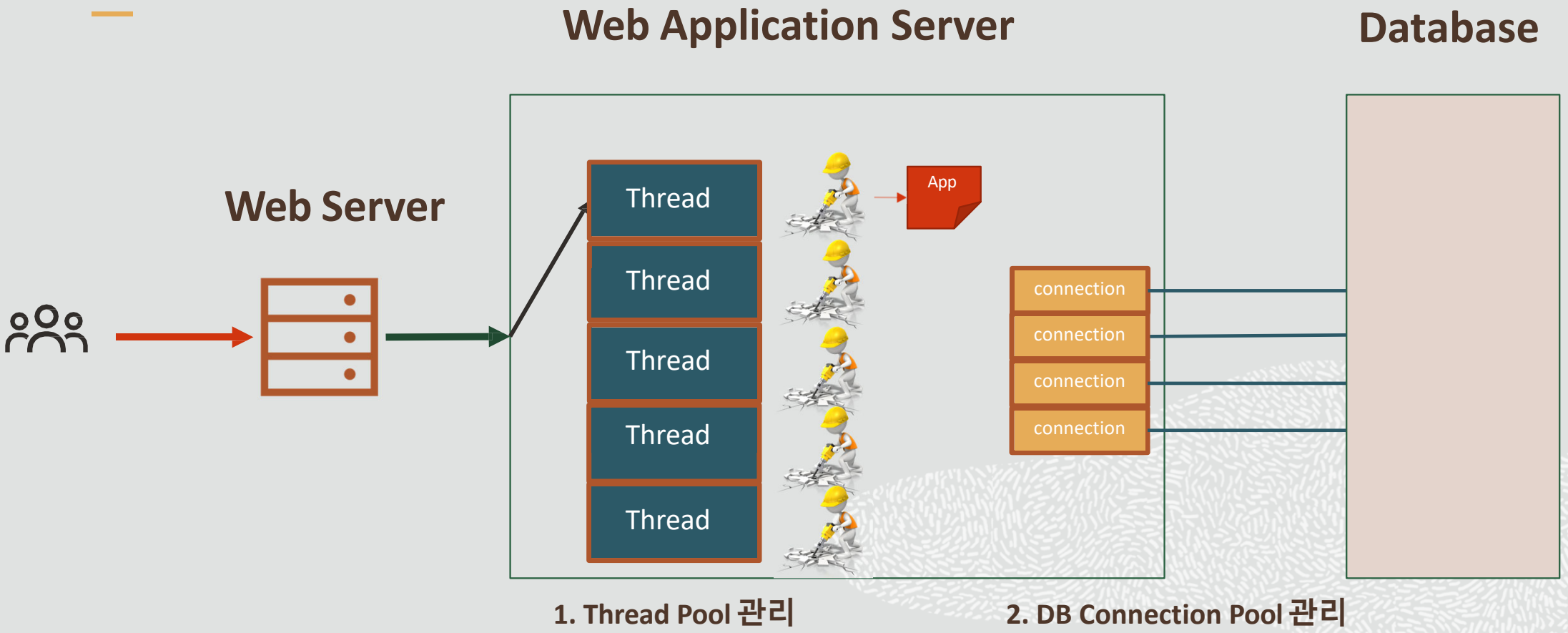
Web Server 와 WAS (Web Application Server)



Web Server 와 WAS (Web Application Server)



WAS (Web Application Server)의 주요 역할

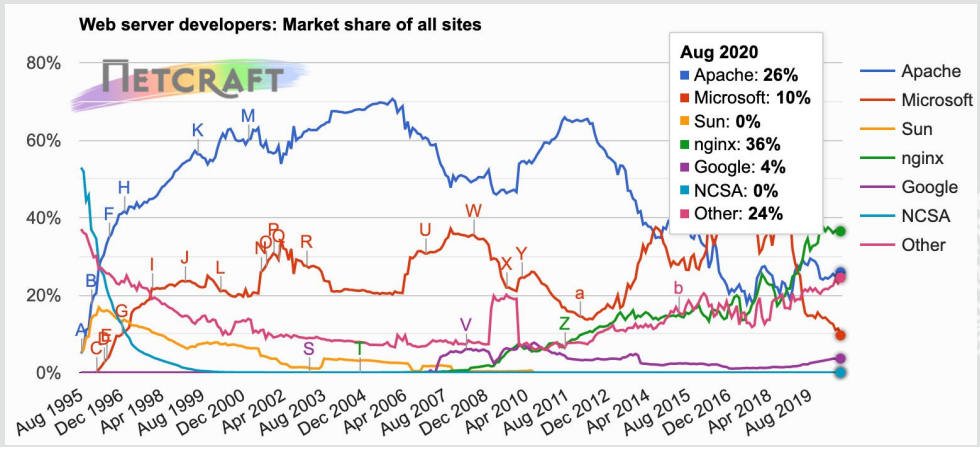


Web / WAS Market Trends

Web Server

Open Source

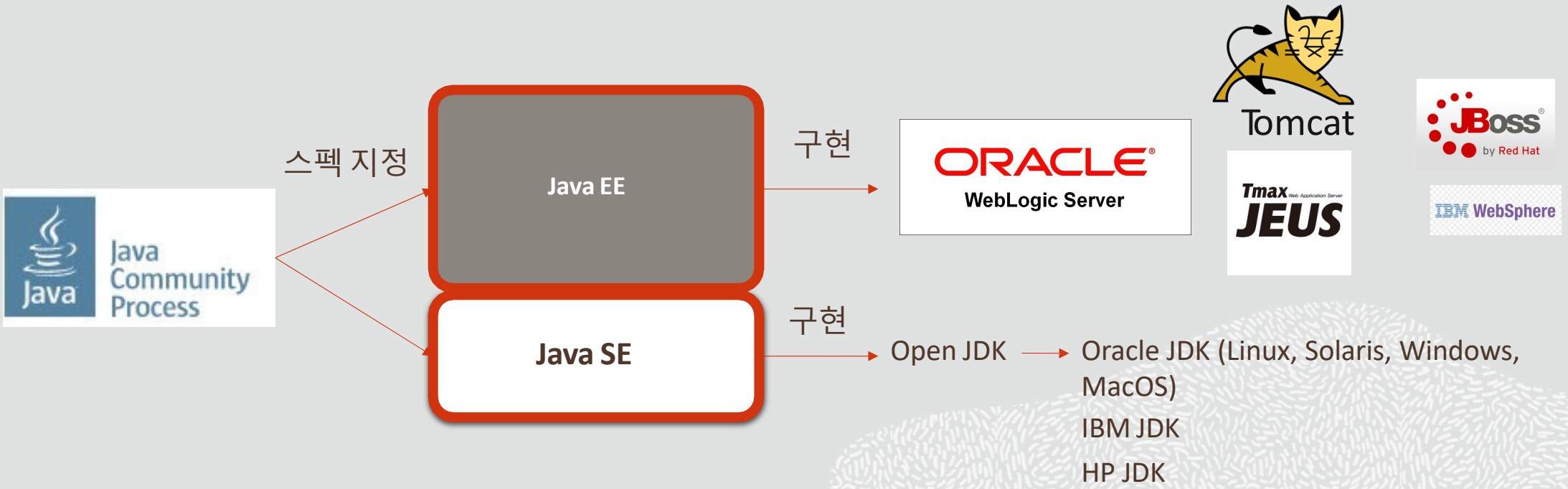
Commercial



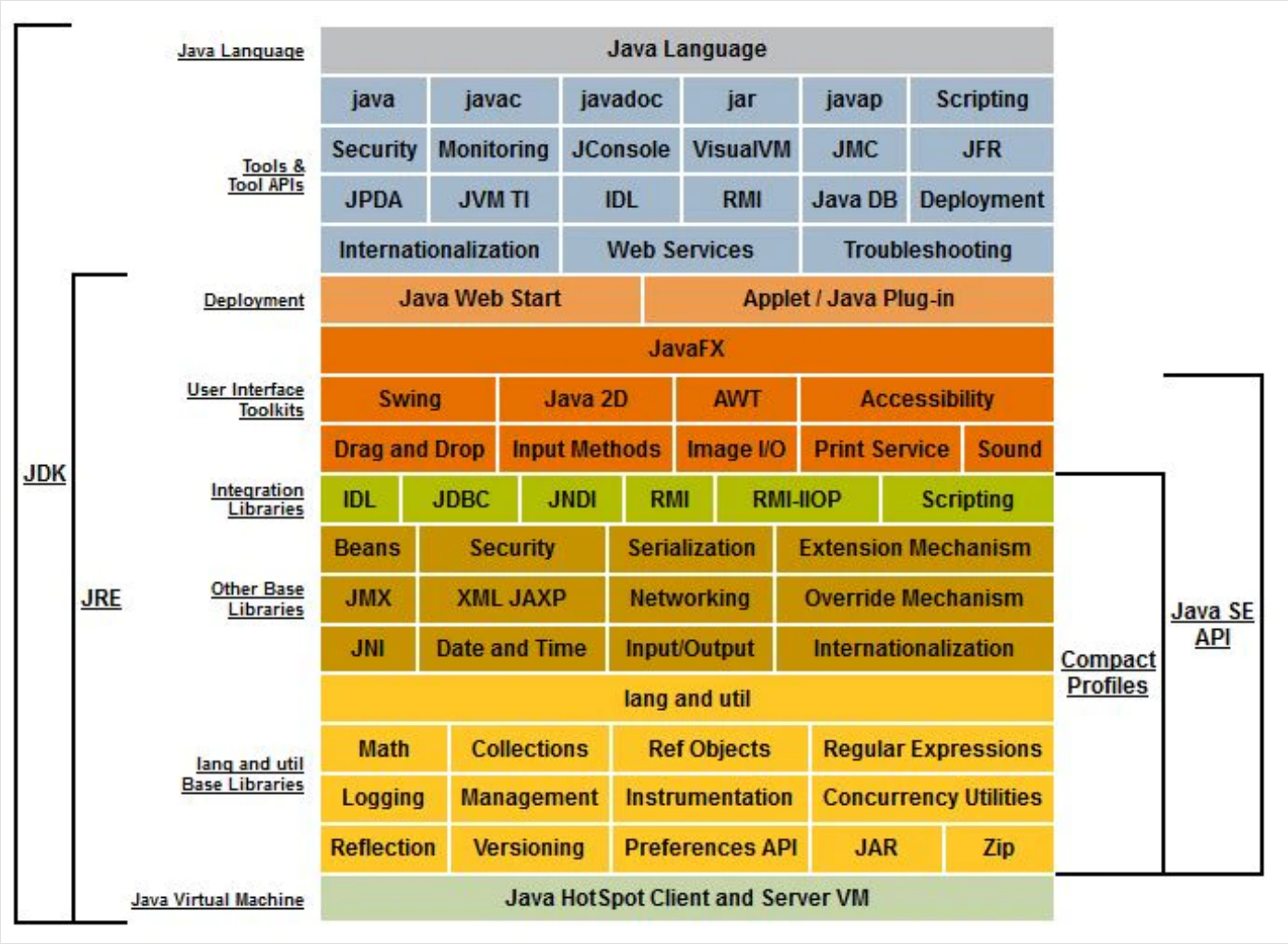
Web Application Server

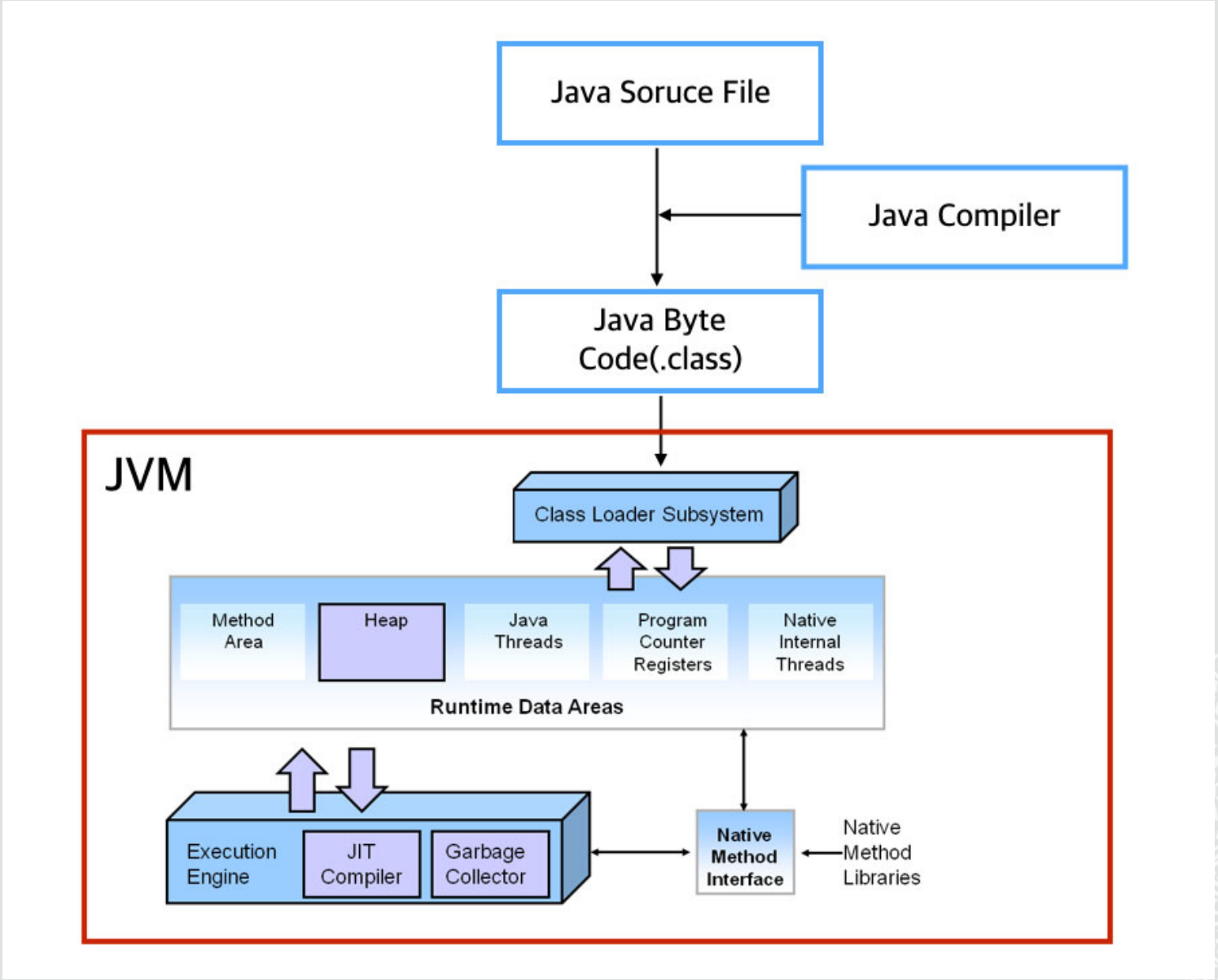
Tomcat

Java EE = Java 기반의 Web Application Server



Jave SE Platform at a Glance

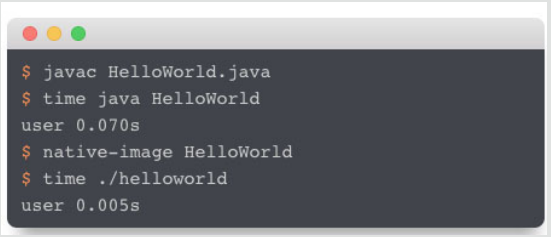



Java Soruce File
Java Compiler
Java Byte Code(.class)
JVM
Class Loader Subsystem
Method Area
Heap
Java Threads
Program Counter Registers
Native Internal Threads
Runtime Data Areas
Execution Engine
JIT Compiler
Garbage Collector
Native Method Interface
Native Method Libraries

GraalVM을 통한 성능 향상

GraalVM

- Java compiler that delivers more compact code, faster startup and better performance
- Supports development in multiple languages
- Open source tool developed by Oracle
- Can be used as JDK
  - Includes same commands, flags and options



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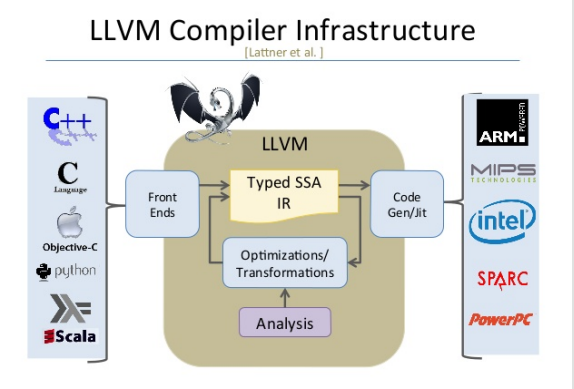
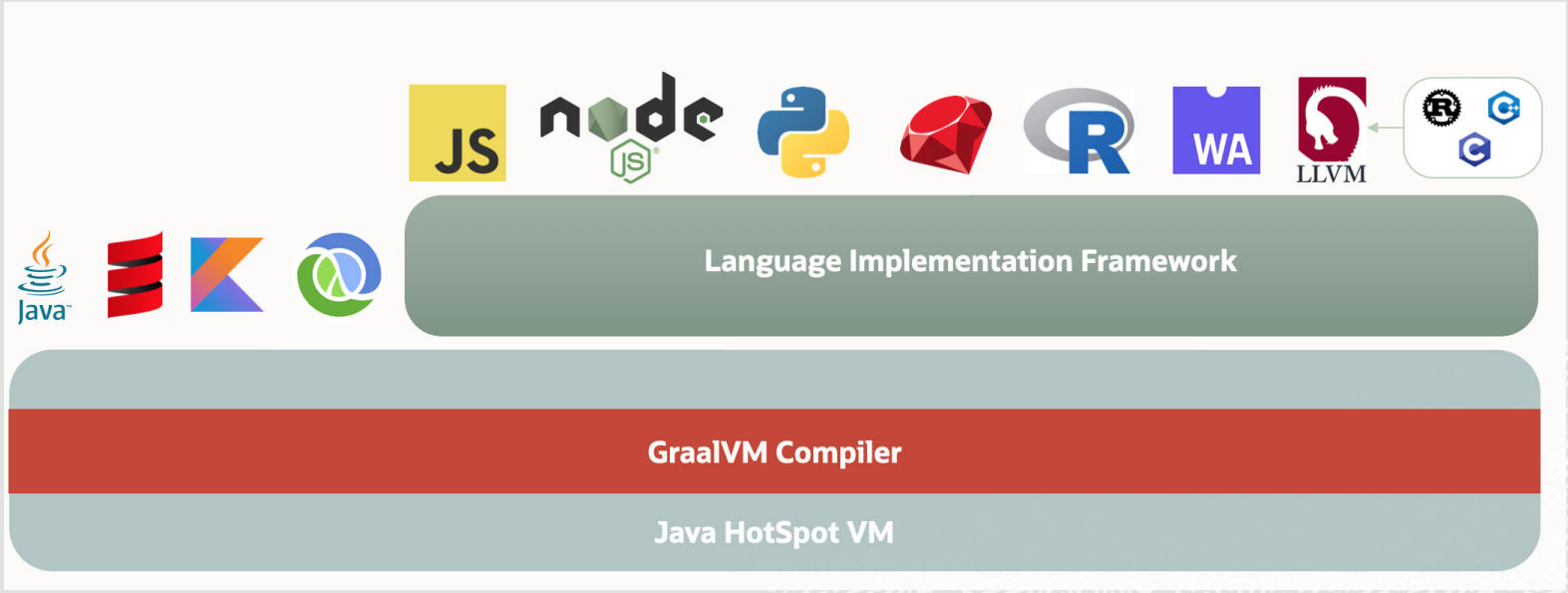
GraalVM™ Native Image

GraalVM Enterprise Architecture





Runtime Mode

1. JVM Runtime Mode
2. Native Image