



# Advanced Java Programming

Review Java Concepts - Introduction to Java

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# What's Java ?

- \* OOP Language
- \* Authored by James Gosling and friends in 1991
- \* Jan 23, 1996, 1<sup>st</sup> Release ( JDK version 1.0)
- \* Feb 19, 1997, 2<sup>nd</sup> Release (JDK version 1.1 - add RMI & Javabeans)
- \* Dec 08, 1998, 3<sup>rd</sup> Release (J2SE version 1.2)
- \* May 08, 2000, 4<sup>th</sup> Release (J2SE version 1.3)
- \* Feb 06, 2002, 5<sup>th</sup> Release (J2SE version 1.4, or Java 2)
- \* Sep 30, 2004, 6<sup>th</sup> Release (J2SE 5)
- \* Dec 11, 2006, 7<sup>th</sup> Release (JSE 6)
- \* July 07, 2011, 8<sup>th</sup> Release (JSE 7)

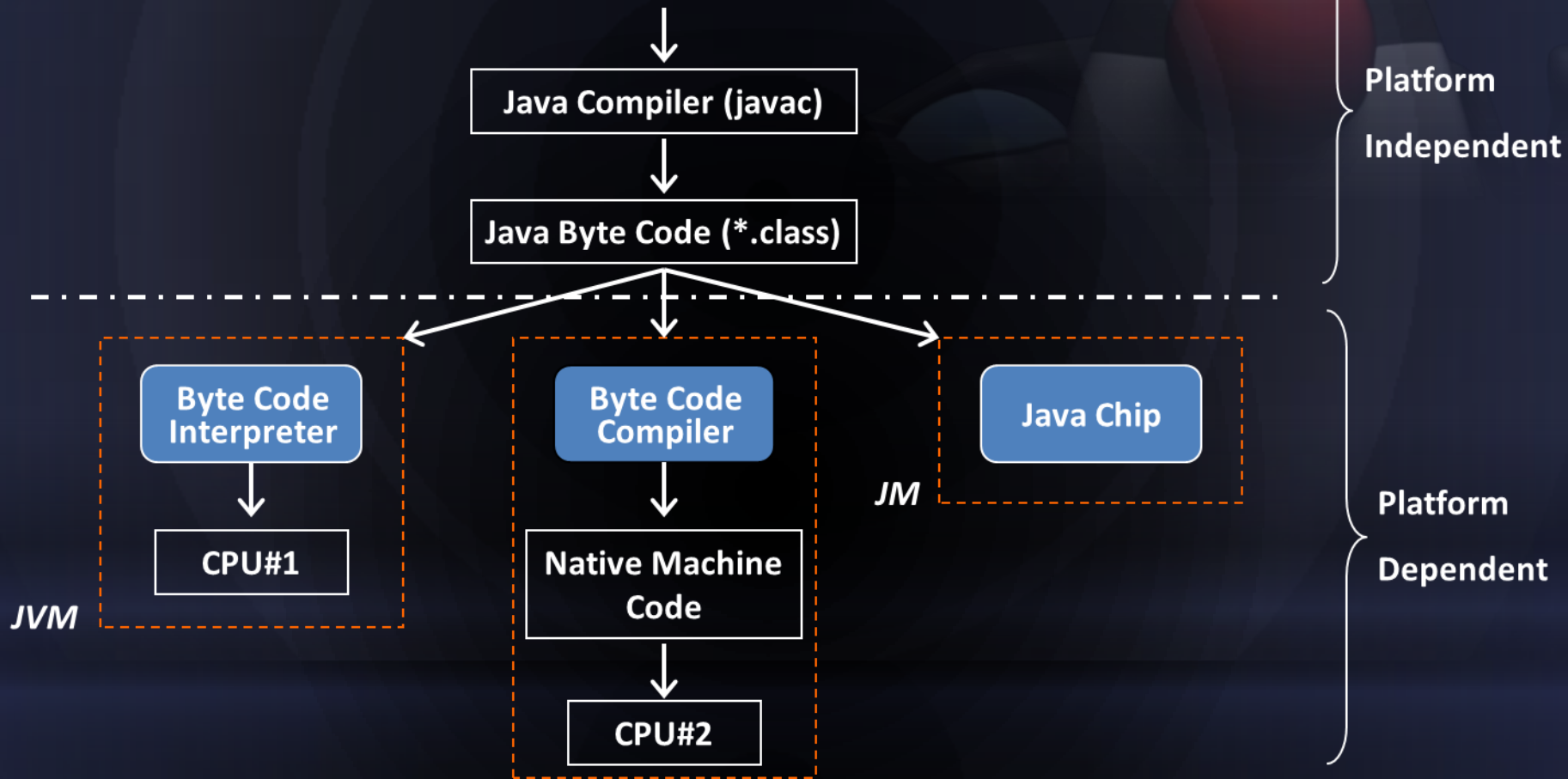
# Java Platform

- \* JSE : Desktop Based Application (AWT, Swing, SWT, CORBA, I/O, Applets)
- \* JEE : Enterprise Applications (Servlet , JSP, EJB, JMS, JMX, JNDI, JTA, JavaMail, JDBC, RMI-OOP)
- \* J2ME : Mobile Applications (Java Phone, Java Embedded Devices).

# Why choose Java ?

- \* Familiar, like C++
- \* KISS (Keep It Simple and Stupid) : adding mostly used features and removing unused / rarely used features such as pointer, multiple inheritance, explicitly memory freeing.
- \* Object Oriented Paradigm
- \* Open Community
- \* Support multi-threading
- \* Reliable and save : dynamic memory allocation, garbage collection, no pointer.
- \* Platform Independent

# Platform Independent



# Next Chapter

- \* Continue reading about Java Fundamentals