Java SE Java Virtual Machines (JVMs) by Angela Jones

Article published on January 28th 2012 | Web Hosting

In todayâ€™s demanding embedded environment, Java Platform, Standard Edition (Java SE) allow to develop Java applications on desktop or servers. As knows Java allows RICH user interface, portability and best of all is the security for todayâ€™s world.

Drag and Drop API was one of the several APIs brought by JAVA SE 6, which allowed extending TransfeSupport class to support Swing application. This gave developers an easy break through to build live feedback into their controls.

Beginning of JAVA SE 6 release Swing application was not introduced, significantly improved JTable by adding API for sort and filtering contents of table. This APIs allows creating custom data types for filter and sorting.

JAVA SE 6 came up with SwingWorker utility class makes background tasks much simpler. This lets allow progress feedback to User Interface on Swing Event thread on background thread by SwingWorker spawns.

An implementation of Java Virtual Machine (JVM) specification by JVM interprets complied Java binary code (called bytecode) which executes java instructions. Java allows application to run on any platform that was the curiosity in developing on Java, without rewritten or recompiled on separate platform.

List of JVM Languages

Languages that are used to produce software that runs on the Java Virtual Machine. Some of these languages are interpreted by a Java Program, and some are complied with Java bytecode and JIT to improve performance. Initial design of Java Virtual Machine is to support only Java Programming languages, more languages were adapted run on Java platform.

- High Profile Languages

o Clojure, a functional Lisp dialect

o Groovy, a script language

o Scala, and object oriented and functional programming language

o JavaFX Script, scripting language for rich internet application

o JRuby, an implementation of Ruby

o Jython, an implementation of Python

o Rhino, an implementation of JavaScript

- Existing Languages

o Ada, JGNAT is a GNAT version to compile Aada programming language to Java bytecode

o C, C to JVM complier

o Cobol, JVM Visual COBOL

o ColdFusion, Adobe ColdFusion and Open BlueDragon

o JavaScript, Rhino developed by Java and managed by Mozilla Foundation

o Pascal, Canterbury Pascal for Java Virtual Machine

o PHP, IBM WebSphere sMash PHP(P8)

- New JVM Languages

o Alef++, Perl and Lisp

o Ceylon, Red Hatâ€™s Java complier

o Fantom, a language built from the base to be portable across the JVM, .NET CLR and JavaScript

Many more languages for JVM, for Function Pointers, Perl, and algebraic data types, PHP, C++, etc.

Article Source:
http://www.articleside.com/web-hosting-articles/java-se-java-virtual-machines-jvms.htm - Article Side

Angela Jones - About Author:
InstantAppz allows you to easily add or deploy any of the most popular web applications available through your control panel. No more having to worry about the hassles of configuring the software installs. Apache a Tomcat Hosting is an open source software implementation of the Java Servlet and JavaServer Pages technologies. New era a Cloud Hosting has been creating quite a buzz around these days.

Article Keywords:
Private JVM, Java Virtual Machine, Java Languages

You can find more free articles on Article Side. Sign up today and share your knowledge to the community! It is completely FREE!