

The Summarize of JAVA Platform for Web-based Computing

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ABSTRACT

In recent years, the volume of datasets in modern large-scale scientific researches, information services and digital media applications is growing explosively, and the research about data grid technology becomes the new hotspot in the computer science all over the world. Since 1990 some great progresses, about the basic theoretical research and test-bed environment construction, have been made all over the world. And now researches on the Grid computing and web-based simulation and computing technologies have been made and have already made a rapid progress.

With the development of these technologies, the Java platform has been expanded rapidly and used widely. Now the Java technology and platform have applied widely in grid computing and services, distributed computing, Web services and Web-based simulation and computing, etc.

Keywords: Java, JVM, EJB, J2EE, J2SE, J2ME