

Distributed Programming with Java Technology (WJB-320)

The Distributed Programming with Java Technology course provides students with a series of three self-paced Web courses that can help experienced programmers build the necessary skills to design and program distributed computing solutions. It provides Java platform programmers and network application programmers with the essential information for building distributed computing solutions using the following application program interfaces (APIs):

- Java Database Connectivity (JDBC)
- Java Remote Method Invocation (RMI)
- Java Interface Definition Language (IDL)
- Java Naming and Directory Interface (JNDI)

Who Can Benefit

Students who can benefit from this course are Java programmers and network application programmers who require an introduction to distributed computing and to the concepts of Java-based technologies and architecture.



Prerequisites

To succeed fully in this course, students should be able to:

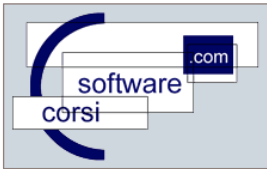
- Demonstrate experience developing Java applications
- Create Java applications that use database connectivity
- Use the Structured Query Language (SQL)
- Explain and use object-oriented programming techniques



Skills Gained

Upon completion of this course, students should be able to:

- Understand the significance and basic concepts of distributed computing
- Define five supporting technologies for distributed computing
- Compare the different programming architectures used for distributed computing
- Write JDBC applets or applications
- Write RMI applets or applications
- Write JavaIDL applets or applications
- Write a Java technology-based servlet
- Explain how object bus systems, publish-subscribe, and remote events function
- Explain the basic concepts of JNDI, Java Transaction Service (JTS), and Java Message Service (JMS)



Related Courses

Before:

Java Programming Language (CDJ-275)
[Java Programming Language \(SL-275\)](#)
Java Programming Language (WJB-275)

After:

[Developing Applications for the J2EE Platform \(FJ-310\)](#)
Implementing Java Security (SL-303A)



Course Content

WJ-3201: Distributed Computing Concepts and Technology

Module 1: Overview of Distributed Computing
Module 2: Servlets

WJ-3202: Distributed Java Platform Technologies - JDBC, RMI, JavaIDL

Module 1: JDBC
Module 2: RMI
Module 3: Overview of JavaIDL

WJ-3203: Java Platform Server Technologies - JNDI, JMS, JTS

Module 1: Overview of Servlets
Module 2: Overview of Object Bus Systems
Module 3: Overview of Supporting Technologies