

# SL-425

## Architecting and Designing J2EE Applications

### Summary

#### Duration

4 Days

#### Vendor

SUN

### Introduction

Students who can benefit from this course are those who are responsible for the overall software architecture and design of J2EE technology-based enterprise software systems. These students would also require insight into the role of the enterprise architect and want to use J2EE technologies in n-tier enterprise systems. Existing architects can also benefit from an understanding of how to use J2EE technologies to improve quality of service in their enterprise systems.

### Prerequisites

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

- Describe in outline form all J2EE technologies, including Enterprise JavaBeans, servlets, and JavaServer Pages
- Describe distributed computing and communication concepts
- Perform analysis and design of object-oriented software systems
- Describe iterative and incremental software development
- Use UML notation for modeling object-oriented systems

### Course Objectives

After completing this course, students will be able to:

- Make good use of J2EE component technologies to solve typical problems in system architecture
- Derive software systems using techniques outlined in the J2EE Blueprint and solutions defined in the J2EE Patterns Catalog
- Address quality-of-service requirements in a cost-effective manner using engineering trade-off techniques
- Describe the role of the architect and the products an architect delivers
- List and describe typical problems associated with large-scale enterprise systems
- Identify the benefits derived from using an iterative and incremental development process

### Associated Certifications & Exams

Upon completion of course SL-425 delegates will receive both a Torque-IT and Sun Microsystems attendance certificate.