

## **Lotus Notes**

# **D8550 Developing Composite Applications for IBM Lotus Notes 8**

**Length:** 1 day

### **Course Description**

As an experienced IBM® Lotus® Domino® 8 application developer, you have created and enhanced Lotus Domino applications. One of the main new features of IBM® Lotus Notes® 8 is its support for composite applications. A key element of IBM's service oriented architecture (SOA), composite applications enable companies to develop components in different environments and combine them into robust applications to meet users' needs. Using IBM® Lotus® Domino Designer®, developers can extend Lotus Notes applications to be NSF components in composite applications. This course builds on your knowledge of and experience with Lotus Domino application development to enable you to use Lotus Domino Designer 8 to create NSF components and to build composite applications for Lotus Notes 8. In this course, you will design and develop an NSF component, assemble composite applications consisting of NSF components, and assemble composite applications consisting of NSF components and Eclipse™-based components.

**Course Objective:** You will develop composite applications for IBM Lotus Notes 8

**Target Student:** This course is designed for experienced Lotus Domino application developers who need to create NSF components and assemble NSF and non-Lotus Notes components into composite applications for the Lotus Domino and Lotus Notes environments.

**Prerequisites:** The course assumes that the student has prior experience developing Lotus Domino 8 applications and is now ready to build composite applications using Lotus Domino Designer and pre-built IBM® Lotus® Expeditor components. The prerequisites for this course include completion of the following Lotus Domino 8 paths or equivalent knowledge, skills, and experience:

Application developers who are new to Lotus Domino 8 and have completed the following courses:

- Fundamentals of IBM® Lotus® Domino® 8 Application Development (D8510)
- Developing IBM® Lotus® Domino® 8 Applications: Intermediate Skills (D8530)

Developers who upgraded to Lotus Domino 8 from a previous release and have completed the following course:

- Exploring the New Features in IBM® Lotus® Domino Designer® 8 (D8420)

**Delivery Method:** Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

### **Performance-Based Objectives**

Upon successful completion of this course, students will be able to:

- Describe composite applications and the architecture that supports composite applications.
- Create a composite application from NSF components.
- Create composite applications that include non-Lotus Notes components.

## **Course Content**

### **Lesson 1: Introducing Composite Applications**

- Topic 1A: Examining the Composite Application Architecture
- Topic 1B: Identifying Composite Application Development Tools
- Topic 1C: Overview of Creating Composite Applications

### **Lesson 2: Creating a Composite Application from NSF Components**

- Topic 2A: Designing NSF Components
- Topic 2B: Creating NSF Components
- Topic 2C: Creating Composite Applications from NSF Components
- Topic 2D: Testing and Deploying a Composite Application

### **Lesson 3: Creating Composite Applications with Non-IBM® Lotus Notes® Components**

- Topic 3A: Incorporating an Eclipse™ Component
- Topic 3B: Hosting Composite Applications with Non-IBM® Lotus Notes® Components
- Topic 3C: Extending the IBM® Lotus Notes® Client

### **Appendix A: Solutions to Practice Activities**

- Supplemental Topic About This Appendix

### **Appendix B: The Worldwide Corporation Infrastructure Plan**

### **Appendix C: Certification and Exam Competencies**

### **Appendix D: Instructor Preparation**