

## Lotus Notes

# N7D540 Using LotusScript in IBM Lotus Domino 7 Applications

## Course Specifications

Course number: N7D540  
Software: Lotus Domino  
Course length: 3.0 day(s)

## Course Description

Students will learn the techniques of programming in LotusScript while they learn to access and work with objects in the Domino Object Model. This workshop starts by introducing students to the LotusScript language. Students learn to retrieve database properties, use NotesDatabase methods, and navigate the Document Object Model to access ACL classes. The course continuously reinforces how to navigate the Document Object Model as students learn to work with front-end and back-end classes. Students are introduced to error checking and the LotusScript debugger early in the course, so that they use it throughout the course.

**Course Objective:** You will perform basic Help Desk troubleshooting tasks to resolve second-level support issues for users running IBM® Lotus Notes® 7.

**Target Student:** The target audience for *Using LotusScript® in IBM® Lotus® Domino® 7 Applications* is application developers who will be using LotusScript® in their Domino® applications.

**Prerequisites:** The prerequisite for this course is the IBM e-learning course entitled Fundamentals of IBM Lotus Domino 7 Application Development or the equivalent knowledge and skills.

**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:

- Write LotusScript code that navigates the Domino Object Model and retrieves object data.
- Write LotusScript code that modifies and adds data in Domino applications.
- Select the best mechanism for executing LotusScript code.
- Use the LotusScript debugger and error trapping to debug code.
- Use Script Libraries to reuse code efficiently.

## Course Content

### MODULE A: Using LotusScript to Access and Modify Databases

#### Lesson 1: Introducing LotusScript

- Introducing LotusScript
- Declaring Variables in Lotus Script
- Assigning Variables in LotusScript
- Commenting Code
- Using the LotusScript Debugger

### **Lesson 2: Accessing Database Information**

- Exploring the Domino Objects
- Creating Objects in LotusScript
- Accessing Object Properties
- Adding Simple Error Checking to Code
- Accessing the Current Database
- Creating a Database Based on Another Database

### **Lesson 3: Navigating the User Interface Classes**

- Retrieving the Access Level of an ACL Entry

## **MODULE B: Navigating the User Interface Classes**

### **Lesson 4: Working with NotesUIWorkspace**

- Programming the Notes User Interface
- Adding a Database to the Workspace
- Gathering User Input

### **Lesson 5: Working with NotesUIDocument**

- Accessing the Current Document
- Composing a New Document with LotusScript
- Retrieving Field Values from the Current Document
- Changing Field Values on the Current Document
- Accessing the Current Document Through NotesUIDocument Events

## **MODULE C: Creating and Modifying Documents**

### **Lesson 6: Accessing Data in Documents**

- Accessing Documents with LotusScript
- Retrieving Documents Properties
- Retrieving Item Values from a Document
- Looping Through Documents in a View
- Accessing Data Directly from the View

### **Lesson 7: Writing Data to Documents**

- Adding and Replacing Items
- Saving the Document
- Synchronizing with the User Interface
- Adding Author and Reader Items
- Creating New Documents

### **Lesson 8: Using ViewEntry and Document Collections**

- Building Arrays
- Building Dynamic Arrays
- Using the NotesViewEntryCollection Class
- Using the NotesViewNavigator
- Using the NotesDocumentCollection Class

## **MODULE C: Creating and Modifying Documents**

### **Lesson 9: Reusing Code**

- Defining the Scope of a Variable
- Setting Global Variables
- Building Functions
- Building Subroutines
- Building Script Libraries
- Using Script Libraries

### **Lesson 10: Processing Run-Time Errors**

Processing Run-Time Errors  
Processing Individual Errors