

DIAdem Advanced Course

Overview

This course teaches you how to automate common tasks in the DIAdem panels with DIAdem's standard VBScript commands. You also learn how to customize the DIAdem environment by creating user-defined dialog boxes, user commands and custom menus, which enable you to use DIAdem as the basis for complex applications.

Duration

Two (2) Days

Audience

- New DIAdem users who have taken the DIAdem Basics Course
- DIAdem users who want to learn how to programmatically control DIAdem
- Integrators who are tasked with developing technical data management solutions

Prerequisites

- DIAdem Basics or equivalent experience

NI Products Used During the Course

- DIAdem

After attending this course, you will be able to:

- Automate DIAdem using VBScript
- Use standard dialog boxes
- Design user-defined dialog boxes
- Create user-defined variables and commands
- Control the script sequence
- Define functions and procedures
- Optimize and structure scripts
- Programmatically handle files
- Import data with SQL queries in VBScript

Registration

Register online at ni.com/training or call (800)433-3488 Fax: (512)683-9300
info@ni.com

Outside North America, contact your local NI Office.
Worldwide Contact Info: ni.com/global

Part Number

910618-xx
-01 NI Corporate or Branch
-11 Regional
-21 Onsite (at your facility)
-69 Online

DIAdem Advanced Course

Introduction to DIAdem SCRIPT

This lesson explains the functions you use for creating and editing scripts with the editor that is integrated in the DIAdem workspace . Topics include:

- Understanding the uses of the SCRIPT Panel
- Learning about the components of the SCRIPT Panel
- Learning the DIAdem SCRIPT functions

The VBS Functionality

In this lesson, you learn the most important aspects of the VBS functionality. Topics include:

- Understanding data types
- Using variables and constants
- Understanding operators
- Learning about condition instructions
- Using loops to incorporate repetition
- Using functions and procedures
- Working with objects

Working with the Debugger

In this lesson, you learn how to use the integrated debugger and breakpoints. Topics include:

- Determining Error Causes
- Working in Debug Mode
- Minimizing Errors in Scripts
- Using Error Handling in Scripts

Creating and Editing Scripts

This lesson introduces the technique of creating a script with the recording mode and learning techniques to edit the script to customize the behavior. Topics include:

- Creating a script
- Starting and stopping a script
- Integrating a script in the DIAdem interface
- Using tools that help you to create scripts
- Understanding the script structure
- Learning about the script syntax

Variables and Commands in Scripts

In this lesson, you learn about the different types of DIAdem variables, their value ranges and the context in which you use them. You also learn about DIAdem commands and how to define your own commands. Topics include:

- Using DIAdem variables
- Using DIAdem commands
- Learning how to create and use user-defined commands

Dialog Boxes in Scripts

In this lesson, you learn how to create dialog boxes to set function parameters, to specify settings, to select properties, and to enter data. Topics include:

- Understanding the components of the Scriptable User Dialog Editor
- Creating user dialog boxes
- Using VBS in User Dialog Boxes

Working with DIAdem Panels

In this lesson, you learn how to access various DIAdem panels using a script. Topics include:

- Working with DIAdem REPORT layouts
- Displaying data with DIAdem VIEW
- Accessing Internal Data
- Mining Data using DIAdem NAVIGATOR

Customizing DIAdem

In this lesson, you learn how to customize DIAdem for special applications. Topics include:

- Customizing the DIAdem Environment
- Launching DIAdem with parameters
- Working with the Bar Manager

Advanced Script Options

This lesson describes a class definition and how to use objects derived from the class. It also highlights database access with ActiveX Data objects. Topics include:

- Working with Objects
- Accessing databases