

Automating and Customizing Data Processing Using DIAdem Course Overview

2 Days

DURATION

11

MODULES

44

TOPICS

910618-69 |
910618-11 | 910618-71
COURSE CODE

COURSE OVERVIEW

The Automating and Customizing Data Processing Using DIAdem Course teaches you how to automate common tasks in the DIAdem panels with DIAdem's standard VBScript commands.

WHO THIS COURSE IS FOR

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

PREREQUISITES

- Exploring Data Interactively Using DIAdem
- If you take the course On-Demand:
 - DIAdem 2021 or later
- If you take the course in an instructor-led format:
 - DIAdem

LEARNING OBJECTIVES

What You Will Learn

- 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

11 Modules, 44 Topics

01

Introduction to DIAdem SCRIPT

TOPICS

- Explore the work area in DIAdem SCRIPT to automate recurring procedures and standard evaluations.
- Application Areas of DIAdem SCRIPT
- DIAdem SCRIPT Workspace
- DIAdem SCRIPT Functions

02

VBS Functionality

TOPICS

- Explore Visual Basic Script (VBS), data types, and the usage of variables, functions, and procedures.
- Introduction to VBS
- Standard VBS Operations
- Structured VBS Programming

03

Working with the Debugger

TOPICS

- Use the debugger that is integrated in the editor to check scripts for errors.
- Debugger and Information Area
- Debugging Errors
- Handling Errors in Scripts

04

Creating and Editing Scripts

TOPICS

- Use the editor that is integrated in the DIAdem SCRIPT workspace to edit scripts.
- Creating a Script
- Starting and Stopping a Script
- Integrating a Script in the DIAdem Interface
- Tools for Creating Scripts

05

Variables and Commands in Scripts

TOPICS

- Explore different types of variables in DIAdem, their value ranges, and the environments in which you use them.
- DIAdem Variables
- DIAdem Commands in Scripts
- Selected DIAdem Commands
- Defining and Using User Commands

06

Dialog Boxes in Scripts

TOPICS

- Use dialog boxes to configure functions, specify settings, select properties, and enter custom settings.
- Calling Standard Dialog Boxes
- Creating User Dialog Boxes
- VBS in User Dialog Boxes

07

Working in the DIAdem Panels

TOPICS

- Explore the objects in the various DIAdem panels and learn how to modify them.
- Working with DIAdem REPORT
- Working with DIAdem VIEW
- Working with Internal Data
- Working with DIAdem NAVIGATOR

08

Customizing DIAdem

TOPICS

- Explore how to customize DIAdem standard functionalities and the user interface for special applications.
- Launching DIAdem with Parameters
- Showing DIAdem in Full Screen Mode
- Working with the Bar Manager

09

Extended Script Options

TOPICS

- Explore how to define a class and to use its objects, for example, to access databases.
- Working with Objects
- Accessing Databases

10

Creating DataPlugins

TOPICS

- Explore how to create DataPlugins in order to index, search, and load additional data formats.
- General Information about DataPlugins
- DataPlugin Objects

11

Parallel Processing

TOPICS

- Explore how to use all computer processor kernels to execute scripts simultaneously.
- Overview of Parallel Processing
- Special Features of Worker Programming

DELIVERY NOTE

How It Is Delivered

- Virtual instructor-led training includes digital course material that is delivered through the NI Learning Center.
- NI virtual instructor-led training is delivered through Zoom, and Amazon AppStream/LogMein access is provided to participants to perform the exercises on virtual machines equipped with the latest software.

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Hands-on exercises throughout the course
- Delivery by certified instructors and subject matter experts
- Course completion certificate from Koenig



ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

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