



keyteach

JYTHON SCRIPTING FOR FDMEE

This two day course introduces attendees to the Jython scripting language and explores how it can be used to customise your FDMEE workflow by writing import, mapping, event and custom scripts.

Learning Objectives:

Learn how to develop Jython scripts effectively from the ground up. See how scripts can be created and tested in an external editor before being transferred to FDMEE.

Gain an understanding of the various script types and the ways in which these can extend your default processes. You will also explore the available objects in FDMEE that can be referenced by scripts.

Course Description:

Gain an understanding of basic Jython syntax and how various commands can be accessed. This includes the use of variables, comments, string methods, formatting operators, functions, conditional branches, lists, loops and other scripting features. After familiarising yourself with these features, explore how they can be used in relation to FDMEE details.

Discover how import scripts can be used to tailor the details that are imported to FDMEE during the Import process. See how mapping scripts can be used to customise the mappings that are applied.

Discover how event scripts can alter the standard workflow by triggering additional processes and how Custom scripts can be used to enable functionality that needs to be run on an ad hoc basis.

You will gain experience of displaying custom messages, writing messages to the FDMEE process log, executing SQL queries, handling errors and working with text files.



Also available
as a self-paced
"On Demand" course

Training in your own time at your own convenience

Course Information:

Audience:	Financial and technical System Administrators and implementation consultants
Pre-requisites:	None
Delivery Method:	Classroom (Group-Live)
Advanced Preparation:	None
Recommended CPE Credits:	14 Credits - Specialized Knowledge and Applications
Programme Level:	Intermediate

Summary by Day:

Day 1: Overview of Import, Mapping, Event and Custom Scripts, Setting up Notepad++ for use with Jython, Overview of Jython Syntax, Writing Customised Scripts.

Day 2: Testing Scripts in the Java Virtual Machine (JVM), Working with FDMEE Objects, SQL Queries and Error Handling, Working with Files, Case Study/Challenge.

Detailed Agenda

Overview of Script Types

- Understanding Import Scripts
 - Functions
 - File storage
 - Function Parameters
 - Attaching Scripts to Import Formats
 - Testing Import Scripts
- Understanding Mapping Scripts
 - #SCRIPT Mapping Targets
 - #SQL Mapping Targets
 - fdmResult vs fdmResultMap
- Understanding Event Scripts
 - Understanding Event Hooks
 - Testing Event Scripts
 - Reviewing Logs
- Understanding Custom Scripts
 - Script Registration
 - Script Parameters
 - Custom Script Groups
 - Script Execution

Developing Scripts

- Setting up Notepad++
 - Installing Plugins
 - Optimal Settings
 - Viewing Results in Notepad++
- Jython Syntax
 - Variables and Assignment
 - Comments
 - String Methods

- Formatting Operators
- Functions
- Conditional Branches
- Lists
- Loops
- Data Types and Conversions
- Testing Scripts in the JVM
 - Initialisation
 - Registering APIs
 - Connecting to the FDMEE Database
 - fdmContext

Extending the FDMEE Workflow

- Challenges
 - Writing Import Scripts
 - Writing Mapping Scripts
 - Writing Event Scripts
 - Writing Custom Scripts

Advanced Techniques

- SQL Queries
 - Formatting
 - Working with ResultSets
- Error Handling
 - Exceptions
 - Log Levels and Custom Log Messages
 - Testing Process States
- Working with Files
 - Reading from Files
 - Creating and Writing to Files



Also available
as a self-paced
"On Demand" course