KOENIG SOLUTIONS · COURSE OUTLINE

Robot Framework: Test Cases & Custom Libraries

Learn to create test data, execute test cases and extend Robot Framework with custom libraries and supporting tools.

5
MODULES

27
TOPICS

COURSE OVERVIEW

This course provides a thorough exploration of Robot Framework, a widely-used open-source test automation framework. Participants will learn the fundamentals of Robot Framework, including its architecture, syntax, and execution. Through hands-on exercises and practical examples, attendees will gain proficiency in creating test data, executing test cases, extending Robot Framework, and leveraging supporting tools. By the end of the course, participants will possess the skills needed to effectively automate tests for their projects using Robot Framework

WHO THIS COURSE IS FOR

This course is designed for software developers, testers, quality assurance engineers, and anyone involved in software testing and automation. It is suitable for both beginners and experienced professionals who want to enhance their skills in test automation using Robot Framework

PREREQUISITES

- Familiarity with software testing concepts and basic programming knowledge, particularly in Python, is recommended but not required.

LEARNING OBJECTIVES

- Understand the fundamentals of Robot Framework and its advantages in test automation
- Learn to create test data, including test cases, tasks, and test suites using Robot Framework syntax
- Gain proficiency in using test libraries, variables, user keywords, and control structures
- Explore advanced features such as timeouts, parallel execution, and programmatic modification of test data
- Master the execution of test cases, including basic usage, task execution, and post-processing outputs
- Extend Robot Framework by creating custom test libraries and leveraging remote library interfaces
- Utilize supporting tools such as Libdoc, Testdoc, and Tidy for documentation and test data management

COURSE SYLLABUS

5 Modules, 27 Topics

01

Introduction to Robot Framework

TOPICS

Why Robot Framework? · High-level architecture · Getting more information

02

Creating Test Data

TOPICS

- Test data syntax
- Creating test cases
- Creating tasks
- Creating test suites
- Using test libraries
- Variables
- Creating user keywords
- Resource and variable files
- Control structures
- Advanced features

03

Executing Test Cases

TOPICS

Basic usage · Test execution · Task execution · Post-processing outputs · Configuring execution · Output files

04

Extending Robot Framework

TOPICS

Creating test libraries · Remote library interface · Listener interface · Parser interface

05

Supporting Tools

TOPICS

Library documentation tool (Libdoc) · Test data documentation tool (Testdoc) · Test data clean-up tool (Tidy) · External tools

WHAT IS INCLUDED

Everything You Need to Succeed

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

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