

Selenium Training

Selenium Course Overview

Training Type: Live Instructor-led (online) | Corporate Training | Job Support

Duration: 30-35 hrs

Trainer: Having 5-10+ yrs experience. Real-time Selenium consultant

Includes: Course Material

What is Selenium?

Selenium is a portable software testing framework for web applications. Selenium provides a record/playback tool for authoring tests without learning a test scripting language (Selenium IDE). It also provides a test domain-specific language (Selenese) to write tests in a number of popular programming languages, including Java, C#, Groovy, Perl, PHP, Python and Ruby. The tests can then be run against most modern web browsers. Selenium deploys on Windows, Linux, and Macintosh platforms

Selenium Online Training

AnnexIT is the leader in Selenium training and Selenium Webdriver training courses in Hyderabad. We provide quality of online training and corporate training courses by Selenium experts. we provide selenium training materials real time facility and well trained software specialists. Our selenium online training is regarded as the best training in Hyderabad by students who attended selenium online training with us. We provide selenium online training in India, UK, USA, Singapore and Canada etc. we have designed selenium course content and syllabus based on students requirement to achieve career goal.

we offer Selenium online training ,conducted on weekend training classes and fast track training classes.

- Training by Realtime Expert trainer
- Live Online Classes
- Free study material
- Online virtual Classes available in morning, evening and weekend

Prerequisites

The course is intended for beginners or intermediate testers, leads who need to develop or improve automation techniques using Selenium. While previous testing tool knowledge is not required.

Duration

Online

- The format is 40% theory, 60% Hands-on.
- It is a 20 days program and extends up to 2hrs each.

Corporate

- The format is 40% theory, 60% Hands-on.
- It is a 5 days program and extends up to 8hrs each.

Classroom

- Private Classroom arranged on request and minimum attendees for batch is 4.

Course Content

Introducing Selenium

- To Automate or Not to Automate? That is the Question!
- Test Automation for Web Applications
- Introducing Selenium
- Selenium Components
- Supported Browsers
- Flexibility and Extensibility
- Selenium Basics
- Getting Started Choosing Your Selenium Tool
- Introducing Selenium Commands
- Test Suites
- Commonly Used Selenium Commands

Developing Test Cases With Selenium-IDE

- Introduction
- Installing the IDE

- Opening the IDE
- IDE Features
- Building Test Cases
- Running Test Cases
- Debugging
- Writing a Test Suite
- Executing Selenium-IDE Tests on Different Browsers
- Troubleshooting

Building Test Suites

- Creating a test suite
- Creating tests in a test suite
- Adding a new test, in a test suite
- Deleting a test from a test suite
- Running a test suite from IDE
- Running the test suite from Selenium Core
- Analyzing the results

Selenese Selenium Commands

- Verifying Page Elements
- Introduction to Locating Elements
- Locating elements by identifiers
- Locating elements by XPath
- Locating elements by DOM
- Introduction Matching Text Patterns
- Matching Text Patterns - Regular expressions
- Matching Text Patterns Glob
- Matching Text Patterns exact
- The AndWait Commands
- Sequence of Evaluation and Flow Control
- Store Commands and Selenium Variables
- JavaScript and Selenese Parameters
- echo - The Selenese Print Command

Selenium-RC

- Introduction
- How It Works
- Installation
- From Selenese to a Program

- Programming Your Test
- Learning the API
- Retrieving and Reporting Results
- Adding Some Spice to Your Tests
- How the Server Works
- Server Command Line options
- Troubleshooting

Selenium-RC, JUnit with Eclipse

- Configuring JUnit with eclipse
- Setting up eclipse
- Setting up Selenium cline drivers
- Starting Selenium RC Server
- Building the test scripts using eclipse
- Configuring eclipse to run the tests
- Running the test scripts from eclipse
- Understanding the test run from eclise
- Generating the test log and understanding

Selenium Grid

- Setting up the Selenium Grid
- Ensuring the validity of ant build
- Starting the hub
- Starting the Selenium Remote controls on different platforms
- Running the tests parallel
- Running the tests sequential
- Analyzing the results

Selenium-RC, JUnit, Testing with Eclipse

- Installing the Testing on eclipse
- Configuring Testing libraries with Eclipse
- Understanding the Scripts in Testing format
- Exporting the Tests from Selenium IDE
- Adding the necessary methods to work with Testing
- Running the tests with Testing
- Understanding the reports generated by Testing
- Creating a XML file for running the tests though Testing
- Working on a case study

Working with user extensions

- Understanding the significance of adding the user extensions
- Working with user extensions
- Adding function libraries to user extensions
- Configuring the user extensions
- Accessing the function libraries from Selenium IDE
- Running the tests with extended functions from Selenium IDE

Working with Selenium IDE extensions

- Understanding the significance of Selenium IDE extensions
- Working with Selenium IDE extensions
- Configuring the Selenium IDE extensions
- Recording the new script with new Selenium IDE extensions
- Running the test with new Selenium IDE extensions
- Converting the tests to Java or other languages
- Running the tests from Selenium RC
- Generating the reports
- Working on a sample case study

Selenium Test Design Considerations

- Web Page Content Static vs. Dynamic Pages
- UI Mapping with Selenium
- Creating a shared object repository with Selenium
- Writing a frame work