T-Plan Robot – Selenium WebDriver Integration

Image-based & web browser automation in a single script

Why did UK Telco want a Selenium integration?

T-Plan Robot offers the ability to leverage the power of Selenium browser automation within a simple integrated code-less solution.

Selenium is a very powerful but code intensive solution. It also relies completely on the ability to access every web element, and its property, within the web browser/app. Selenium script creation occurs in a development IDE, whereas the very same action within T-Plan Robot is achieved with easy to read low code syntax; also designed using a graphical drag and drop interface.

What challenges did customers face with Selenium alone?

Many modern web applications use platforms/controls that do not allow any such access to the internal elements and/or properties.

We often find therefore that companies employ Selenium in a standalone way, perhaps relying on external calls to individual Selenium scripts either manually or from their wider development framework. This means multiple scripting IDE's encompassing different script development languages and disparate storage of automation assets; and of course the management of all of the above.

Does Robot enhance the use of Selenium for UK Telco?

We have worked with many clients, including the leading UK telecoms provider, where a hybrid solution of Seleniums 'object orientated' approach combined with Robots native 'image-based' recognition was the only way to enable full automation across their entire web-based applications. Seamlessly harnessing the power of both search methods, intertwined within a single script, all created using T-Plan Robots drag and drop script editor; offered a simple yet extremely powerful single solution.

Given that T-Plan Robot can automate the local desktop or a remote one, it sits perfectly with Selenium which offers the same local/remote capability.

How did we enhance our Selenium integration for UK Telco?

Initially T-Plan Robot only offered the Selenium integration in a "local desktop" environment. However, it was quickly identified by the UK telco that this feature would offer huge benefits if it could also work via the Selenium Grid for remote desktops. Within less than 1 month a packaged release was delivered to the customer for use in their production systems.

Listening to our clients is essential to us. Their feedback is invaluable in ensuring that we continue to innovate and provide market-leading products and the service levels that our clients require.

T-Plan, a small company with a big impact.

T·PLAN
Trusted Business Automation

Make Selenium Testing Easy

" With T-Plan Robot you have a consistent UI across multiple platforms . . . to have the ability to start repeating tests within 3-4 hours is quite amazing *"*

Low Code | No Code UI?

Without Robot

Selenium code equivalent; designed in a separate code development IDE by a developer:

```
import org.openqa.selenium.By;
import org.openqa.selenium.WebDriver;
import org.openqa.selenium.firefox.FirefoxDriver;
import org.testng.annotations.AfterTest;
import org.testng.annotations.BeforeTest;
import org.testng.annotations.Test;

public class Findingelementsbyid{

    WebDriver driver = new FirefoxDriver();
    @BeforeTest
    public void setUp(){
        driver.manage().timeouts().implicitlyWait(10, TimeUnit.
SECONDS);
        driver.get("https://signin.ebay.com");
    }
    @Test
    public void findElementbyID(){
        driver.findElement(By.id("1628045020")).click();
    }
    @AfterTest
    public void doThis(){
        driver.quit();
    }
}
```

With Robot

Simple backend script; designed using a graphical drag & drop interface:

```
Browser open url=https://www.ebay.com/signin/

Browser find text="sign in" elaction=click
```

Script-less
Automation
Design

Can you save time debugging scripts & organising tests?

Designing your tests in a user interface with drag & drop design allows instant visual feedback. Additionally your tests & assets are all organised in a modular UI, coupled with cloud based report dashboard and management execution schedule control.

Is the Selenium/Robot integration platform independent?

T-Plan Robot is a java application and is environment agnostic, supporting Windows, Mac and Linux.

Is Selenium built into T-Plan Robot?

Yes! Unlike other solutions that only call Selenium scripts, we have fully integrated the API within our solution for desktop & mobile test automation.

Contact us today
sales@t-plan.com +44 (0)330 120 0875