

Selenium

Automated UI Tests

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Running Against Staging and Test Settings Description

Two Important Files

-
-

```
{  
  "testSettings": {  
  
    // browser variables  
    "testChrome": true,  
    "testFirefox": false,  
    "testEdge": false,  
    "testSafari": false,  
  
    // endpoint variables  
    "hubUrl": "https://hub.efilecabinet.net/",  
    //"targetUrl": "https://localhost:44334/",  
    //"storageType": 0,  
    "targetUrl": "https://account-staging.efilecabinet.net/",  
    //"targetUrl": "https://account.efilecabinet.net/",  
    //"targetUrl": "https://account-uk.efilecabinet.net/",  
    //"targetUrl": "https://account-ca.efilecabinet.net/",  
    //"targetUrl": "https://govcloud.efilecabinet.net/",
```

```
"storageType": 1,
```

```
// file variables
```

```
"baseDownloadsPath": "C:\\ProgramData\\EFC\\downloads\\",  
"baseFilePath": "C:\\ProgramData\\EFC\\automationDocs\\",  
"s3Url": "https://downloads.efilecabinet.com/",  
"s3BucketName": "SanitizedSampleFiles",  
"s3ZipFileName": "automationDocs.zip",  
"s3AccessId": "AKIA2LJW7OCU3QZIVOGD",  
"s3Secret": "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",
```

```
// wait time variables
```

```
"defaultFileInteractionWait": 45,  
"roleSelectorSearchWaitTimeInMS": 500,  
"timeoutInSecs": 45,  
"workflowTimeoutInSecs": 20,
```

```
// other variables
```

```
"verificationEmailAddress": ""
```

```
}
```

```
}
```

```
using System;
```

```
namespace AutomatedUITests.Configuration.SharedConstants
```

```
{
```

```
    public static class Constants
```

```
    {
```

```
        public static TimeSpan DefaultImplicitWait { get; } = TimeSpan.FromSeconds(0.5);
```

```
        public static TimeSpan SmallImplicitWait { get; } = TimeSpan.FromSeconds(1.0);
```

```
        public static TimeSpan MediumImplicitWait { get; } = TimeSpan.FromSeconds(2.0);
```

```
        public static TimeSpan LargeImplicitWait { get; } = TimeSpan.FromSeconds(3.0);
```

```
public const int MaxThreadCount = 2;
public const bool HEADLESS_MODE = false;
```

```
public const string CABINET_PREFIX = "CABINET-";
public const string DRAWER_PREFIX = "DRAWER-";
public const string FOLDER_PREFIX = "FOLDER-";
public const string FILE_PREFIX = "FILE-";
```

```
public const string ADMIN_USER_PREFIX = "ADMIN-";
public const string STANDARD_USER_PREFIX = "STANDARD-";
public const string SHARING_USER_PREFIX = "SHARING-";
public const string CUSTOM_USER_PREFIX = "CUSTOM-";
public const string GUEST_USER_PREFIX = "GUEST-";
public const string USER_SUFFIX = "@efilecabinet.com";
```

```
public const string GROUP_PREFIX = "GROUP-";
```

```
public const string PROFILE_PREFIX = "PROFILE-";
public const string TEMPLATE_PREFIX = "TEMPLATE-";
public const string SALESFORCE_PREFIX = "SALESFORCE-";
```

```
public const string MAIN_STRUCTURE_PREFIX = "MAIN-";
public const string SEARCH_STRING = "-eFile";
public const string UNIQUE_SEARCH_STRING = "-rubex";
```

```
}
}
```

Terminating Old Web Drivers

Any time your automation exits on an error it will leave its drivers running, and those will prevent your project from being able to build successfully.

You can terminate old drivers by opening Powershell and running the following script:

Stop-Process -Name "chromedriver" -Force

Alternatively, you can stop all chromedriver processes by opening Powershell or a Command window and typing:

taskkill /im chromedriver.exe /f

You can change "chromedriver" to whichever drivers you have been running (edgedriver, firefoxdriver, etc).

Selenium


Selenium Commands

Selectors

You can use Chrome DevTools to test selector and see if they work before putting them into your program.

- To test a potential CssSelector, open the devtools console and type \$\$() with your css selector in the parentheses. For example, \$\$("[ng-if='!node.nodeListRenaming']")
- For xpath, do the same but instead of \$\$ at the beginning, do \$x. For example, \$x("//div[@ng-if='!node.nodeListRenaming'][contains(text(), '1.')]")

XPath

- [XPath Cheat Sheet](#)
- [XPath Tester](#)
 - Keep in mind you can search the html tree using XPath using chromium browser dev tools.  or type unknown

Browser Extensions

<https://dzone.com/articles/10-of-the-best-chrome-extensions-to-find-xpath-in?edition=658397>

CSS