

UiPath.BrowserMigration.Tool

What it is

It's a standalone tool that converts the XAML files targeting <source-browser> (IE, Chrome, Edge, Firefox) into XAML files targeting <destination-browser> (Chrome, Edge, Firefox).

It can be used with XAML files generated with any Studio or UIAutomation version (e.g., 18.4, 19.10, 20.10).

What it is not

The tool does the best effort to migrate the workflows. However, there are certain selector types that cannot be automatically migrated. For example, selectors starting with "<wnd...>", since those identify UI elements rendered differently by IE in comparison with Edge/Chrome/FF. These selectors will have to be manually updated.

What the tool does

- Migrates the <html ...> selectors by updating their ‘app’ property.
- Changes the BrowserType property of the ‘Open browser’/‘Attach browser’ activities.
- Changes the default value of the variables from “sourceBrowser” to “targetBrowser”.
- Updates the KillProcess activity if it targets the “sourceBrowser” process.

What the tool does not

- Edit the selectors starting with <wnd ...> (window specific selectors). Those will have to be regenerated manually.
- Ensure 100% success rate. This can only be achieved through thorough /validation.

How to install it

Unzip the archive into any folder.

How to configure it

Via the Settings.json configuration file:

```
{
  "Folder": "",

  // the target folder where the XAML files to migrate reside

  "SourceBrowser": "IE",

  // the source browser. Possible options: IE/Chrome/Edge/Firefox

  "DestinationBrowser": "Chrome",

  // the destination browser. Possible options: Chrome/Edge/Firefox

  "PreviewChanges": false,

  // true → the original files are not modified, only a change log is generated;

  // false → the updates are applied to the source XAML files

  "ReplaceNullBrowserType": true

  // true → if found, the BrowserType = null will be updated with BrowserType= targetBrowser;

  //false → ignores these cases

  "IncludeSubfolders": true,

  // true → it modifies all the XAML files from the provided folder including it's subfolders;
```

```
// false → it modifies only the files from the target folder

"CreateBackupFiles": true,

// true → it creates backup files (.bak) before updating the original ones; The backup files can be
found on {SourceFolder}/.conversion_backup

// false → does not create backup files

"CanOverwriteBackupFiles": true,

"EnableLogging": true

// true → it creates a log file (IMPORTANT)

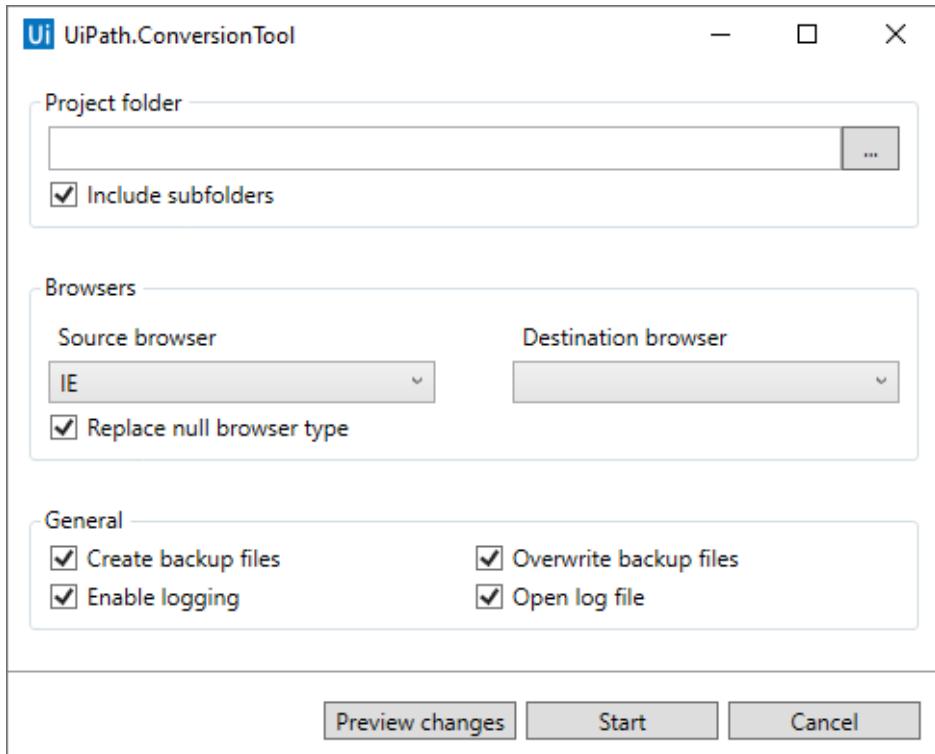
}
```

Usage examples

Via Command line

Example: “C:\conversion tool>UiPath.ConversionTool.exe settings.json”

Via the UI



Post migration verification keys

The tool will produce (in the project folder) a log file name `UiPath.ConversionTool_log`. The file provides an overview - "GlobalStatistics" area - and full update details per each XAML file - "FileChanges/FileName/Statistics".

Other migration aspects

If plan to migrate the automations to Edge (Chromium), this is available starting with:

- Studio 19.10.5 and UIAutomation.Activities 19.11.3
- Studio 20.4.1 and UIAutomation.Activities 20.4.1

If plan to run (post migration) under Edge Chromium/IE Mode, this support is available starting with UIAutomation.Activities 20.10.+

Running automations on Chrome/Edge/Firefox, requires the proper UiPath extension installation: <https://docs.uipath.com/studio/docs/about-extensions>