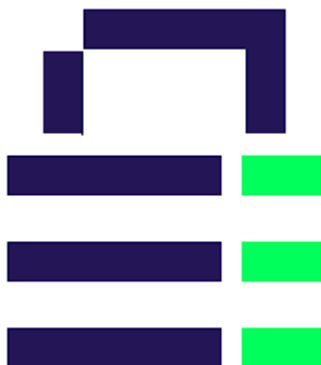


Custom Web Login Launcher for Secret Server



A powershell script to automate the launch of a webpage and automatically log into it.

License **GPL v3**

Features

- Automatically download the latest chrome driver
- Install prerequisites like Selenium
- Automatically log into a webpage using secret credentials from Secret Server
- Kill any outstanding or existing chromedriver processes

Dependencies

- [Selenium](#) - Browser automation
- [Chrome Driver](#) - Web driver for automation and testing

Usage

To run web_login.ps1 for the first time: From command line:

```
powershell ./web_login.ps1
```

From powershell:

```
./web_login.ps1
```

This will configure install Selenium, and download the respective chrome driver.

Arguments can be passed to the script for automation (required for use as a launcher within Secret Server).

(**-username**) - the username used to log into the given webpage.

- Examples: powershell ./web_login.ps1 -username or ./web_login.ps1 -username

(**-password**) - the password used to log into the given webpage.

- Examples: `powershell ./web_login.ps1 -password` or `./web_login.ps1 -password`

(**-webpage_url**) - the url for the login webpage.

- Examples: `powershell ./web_login.ps1 -webpage_url` or `./web_login.ps1 -webpage_url`

(**-username_id**) - the id of the username field on the given login webpage.

- Examples: `powershell ./web_login.ps1 -username_id` or `./web_login.ps1 -username_id`

(**-password_id**) - the id of the password field on the given login webpage.

- Examples: `powershell ./web_login.ps1 -password_id` or `./web_login.ps1 -password_id`

(**-submit_id**) - the id of the submit, sign-in, or login button on the given webpage.

- Examples: `powershell ./web_login.ps1 -submit_id` or `./web_login.ps1 -submit_id`

Example run using arguments:

```
powershell C:\path\to\script\.\web_login.ps1 -username myusername -password mypassword  
-webpage_url https://mypage.com/login -username_id signin-username -password_id  
signin-password -submit_id signin-button
```

or

```
C:\path\to\script\.\web_login.ps1 -username myusername -password mypassword -  
webpage_url https://mypage.com/login -username_id signin-username -password_id signin-  
password -submit_id signin-button
```

Configuration as a Custom Launcher

To configure this script as a launcher in Secret Server, navigate to "**Administration -> Secret Templates -> Launchers**". Create a new launcher by clicking the "**Create**" button in the top right.

General Settings

- Launcher Type - **Process**
- Launcher Name - **Your Web Launcher Name**
- Active - **Yes**
- Launcher Image - **Optional**
- Wrap Custom Parameters with Quotation Marks - **No**
- Track Multiple Windows - **Yes**
- Record Additional Processes - **< None >**
- Use SSH Tunneling with SSH Proxy - **No**

Windows Settings

- Process Name - **powershell.exe**
- Process Arguments - **-NoExit "C:\path\to\script.\web_login.ps1" -username \$USERNAME -password \$PASSWORD -webpage_url "<https://your-page.com/login>" -username_id "username-element-id" -password_id "password-element-id" -submit_id "submit-button-element-id"**

- Run Process as Secret Credentials - **No**
- Load User Profile - **No**
- Use Operating System Shell - **No**

Advanced

- Escape Character - ```
- Characters to Escape - `$&(){}<>|;'`,

NOTE - The backtick (```) character is the escape character for powershell. The hyphen character (`-`) cannot be used or escaped as it is used to indicate an argument in powershell.

Adding the launcher to a Secret Template

Once the launcher has been created, it can be added to a Secret Template by navigating to "**Administration -> Secret Templates -> Your Template Name -> Mapping**". Add the launcher to the template by clicking the "**Add Mapping**" button in the top right. Select the launcher that was just created and map "**Username**" and "**Password**" to their respective fields. The "**Domain**" field can be left mapped to "".

Finding Element IDs for a webpage

Below is an example of how to find the IDs of the username, password, and sign-in elements on a webpage. Navigate to the login url of your webpage. In this example, the Rapid7 Insight url will be used ("<https://insight.rapid7.com/login#/>").

From there, right click on the username field and select "**Inspect**".



Customer Sign-In

Sign in to your Insight account to access your platform solutions and the Customer Portal

Email

Password

Sign In

OR

Sign in with SSO

Need to reset password?

Need help with SSO?

Haven't activated your account?

Emoji Win+Period

Undo Ctrl+Z

Redo Ctrl+Shift+Z

Cut Ctrl+X

Copy Ctrl+C

Paste Ctrl+V

Paste as plain text Ctrl+Shift+V

Select all Ctrl+A

Spell check ▶

Writing Direction ▶

Inspect

insightAppSec

insightIDR

insightVM

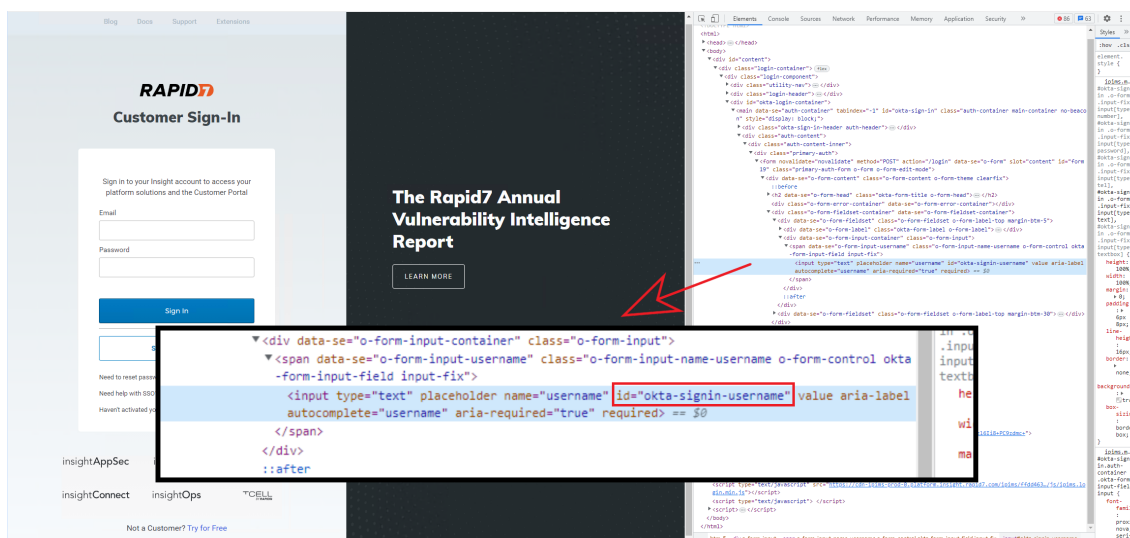
insightConnect

insightOps

TCELL
BY RAPID

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This will show the properties of the username field. Look for the "ID" of the element.



In this example, the ID of the username/email field is "okta-signin-username". Repeating this process for the password field and the submit/login button gives us the IDs "okta-signin-password" and "okta-signin-submit" respectively.