User

Manual

Burp Extension [Files Uploader]

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Contents

Table of figures

The usage guide for Files Uploader Extensions for Burp Suite.

The creation of this Burp Extension was inspired by the 'Burp Intruder,' which is one of the tools available in the Burp Suite used for testing the security of web applications by generating brute-force attack models. It allows customization of requests and insertion of desired text payloads.

From the concept, this Files Uploader Extension was developed. It enables customization of requests and insertion of file payloads for uploading. Below are the installation and usage instructions:

1. **The method to install a Burp Extension on Burp Suite.**

    The first step is to open the Burp Suite program. Then, click on the 'Extensions' tab followed by 'Extensions Settings'.
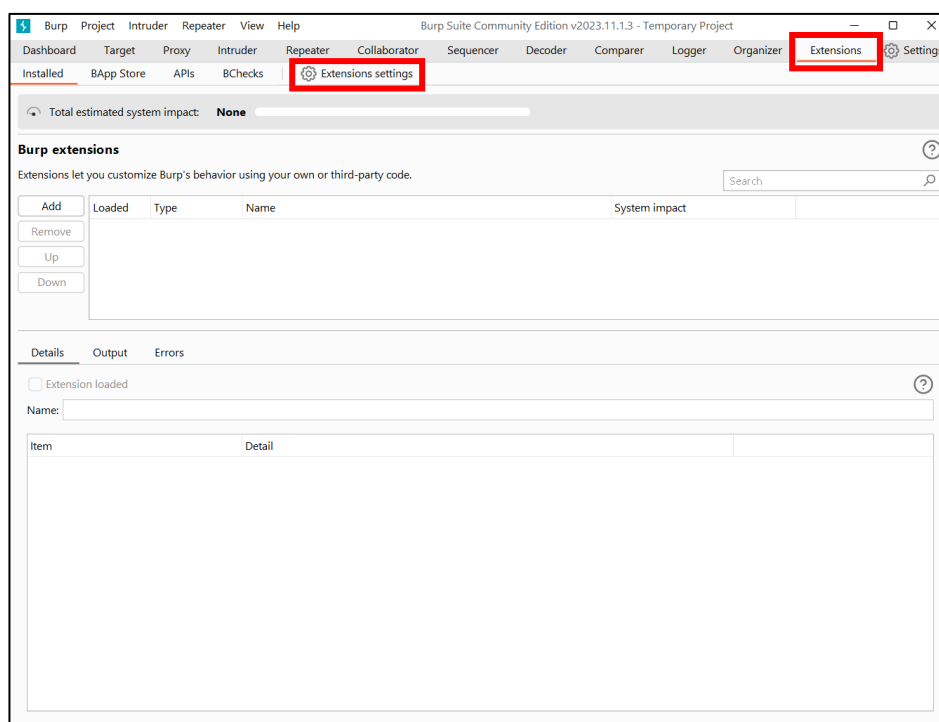

Figure 1 How to open 'Extensions settings'.

Then, locate the 'Python environment' section. You'll find an area to specify the location of the Jython Standalone file, which can be downloaded from the main webpage of Jython at this link -> https://www.jython.org/download.
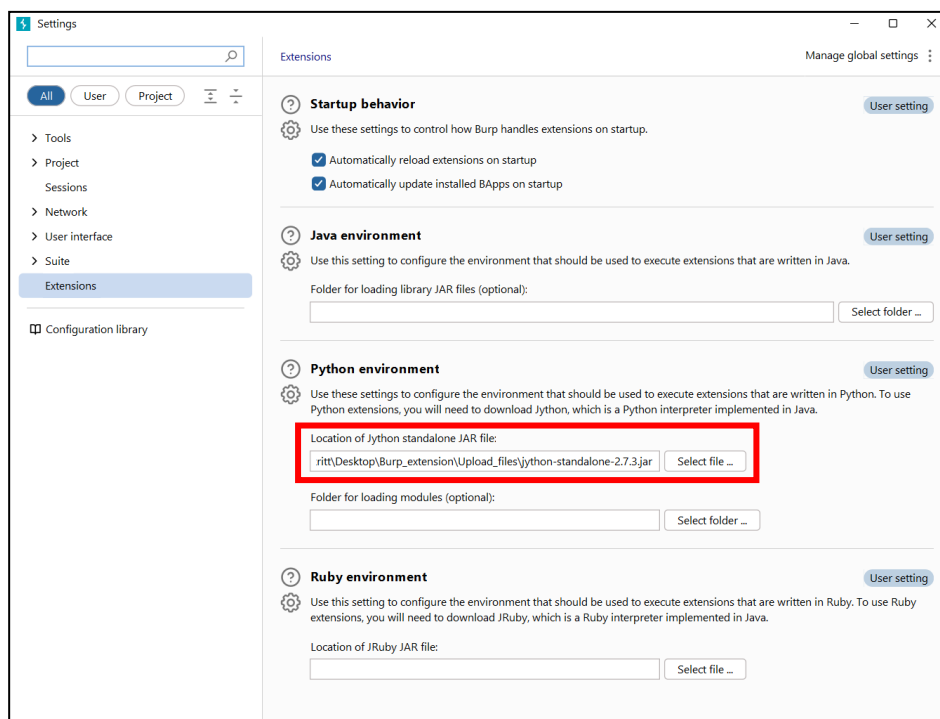
Figure 2 Setting the location of the Jython Standalone file.

After setting the location of the Jython Standalone file, close the Settings window and go back to the 'Extensions' tab -> 'Installed' Sub-Tab. Then, add the Burp Extension file by clicking the 'Add' button. The program will display the 'Load Burp extension' window.
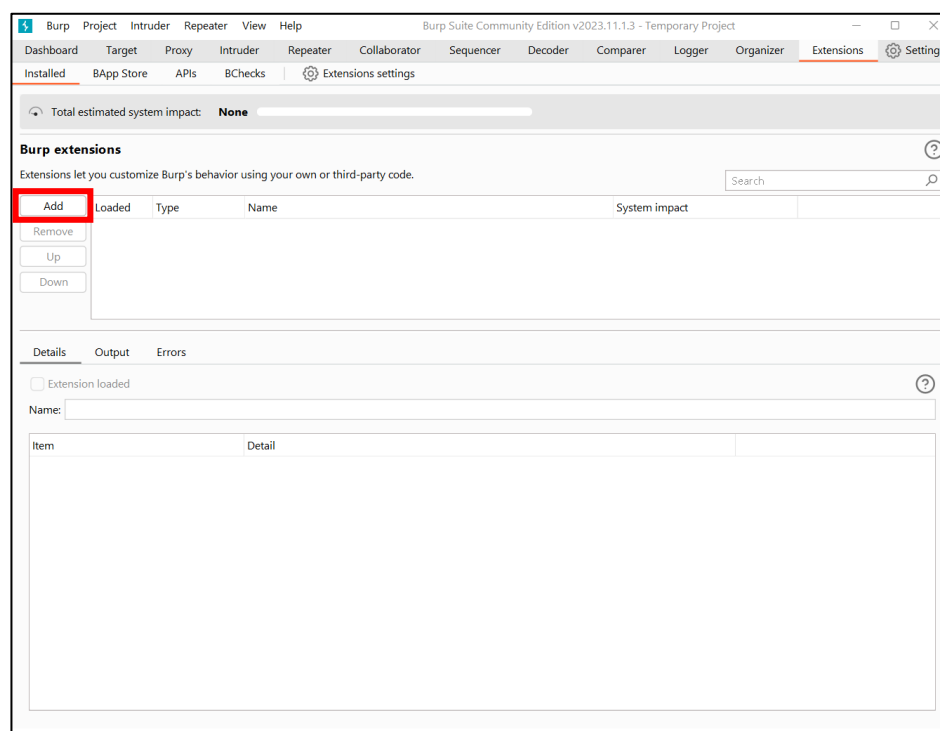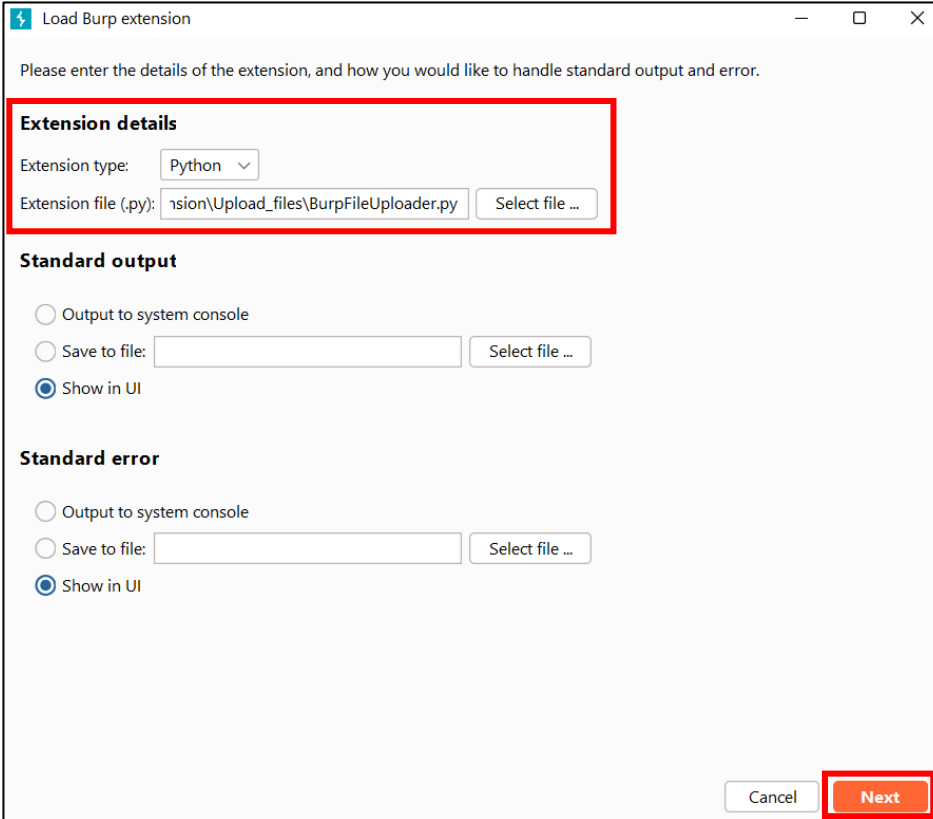

Figure 3 Loading the Burp Extension

Then, locate the 'Extension details' section and set the 'Extension type' to 'Python' and the 'Extension file (.py)' to the Burp Extension file with the '.py' extension (BurpFileUploader.py). After that, click the 'Next' button.

By the Files Uploader Extension (BurpFileUploader.py), which can be downloaded from https://github.com/folk44/folk44-Burp-Extension-Files-Uploader.git.

Figure 4 Specifying details for loading the extension.

Afterward, the program will display the 'Output' and 'Errors' windows. Please click the 'Close' button.
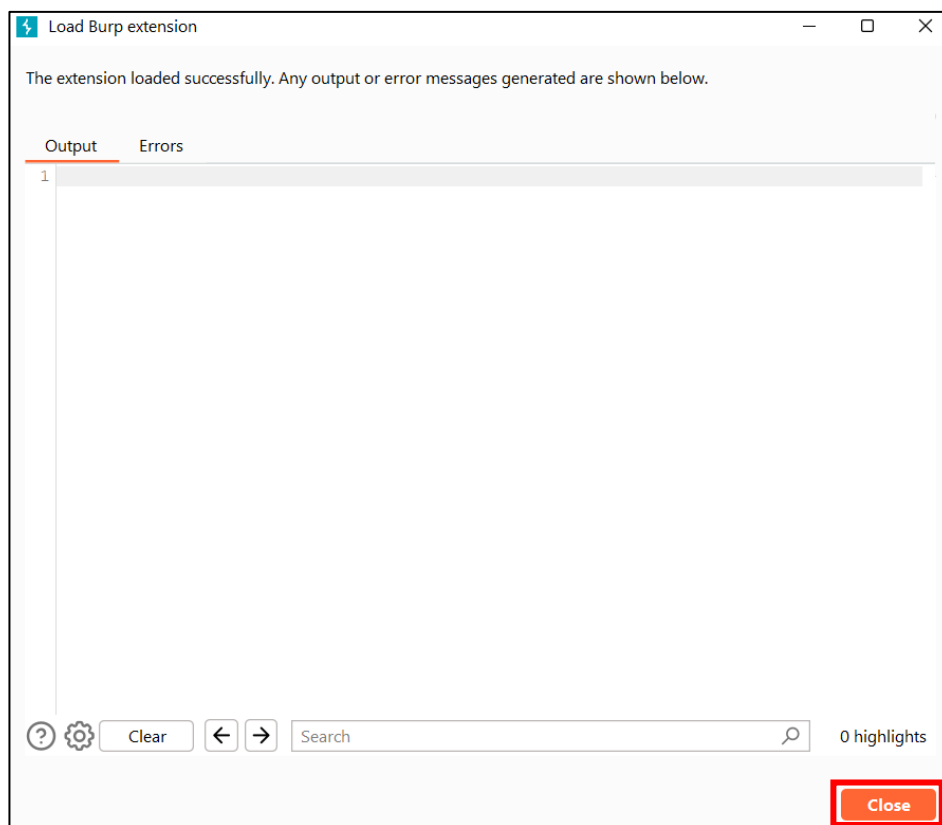
Figure 5 The window displaying 'Output' and 'Errors' of the Extension.

Returning to the main program window, you will notice the 'Files Uploader' tab has appeared.
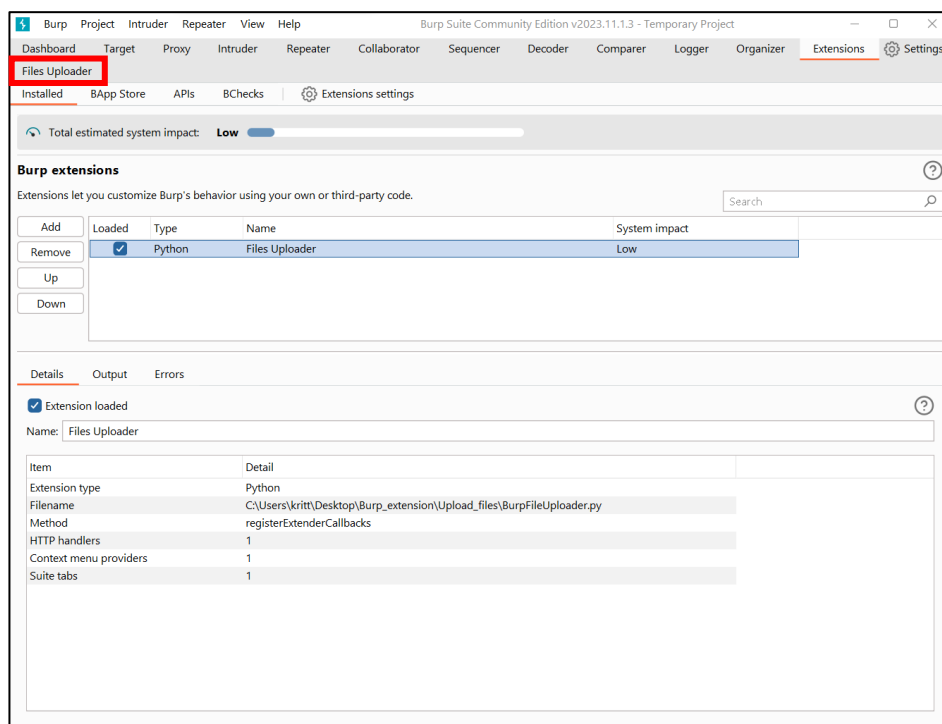
Figure 6 The Files Uploader Extension tab has been added.

When clicked, you will encounter a program window with 3 sub-tabs ('Positions', 'Payloads', and 'Upload history') that are ready for use.
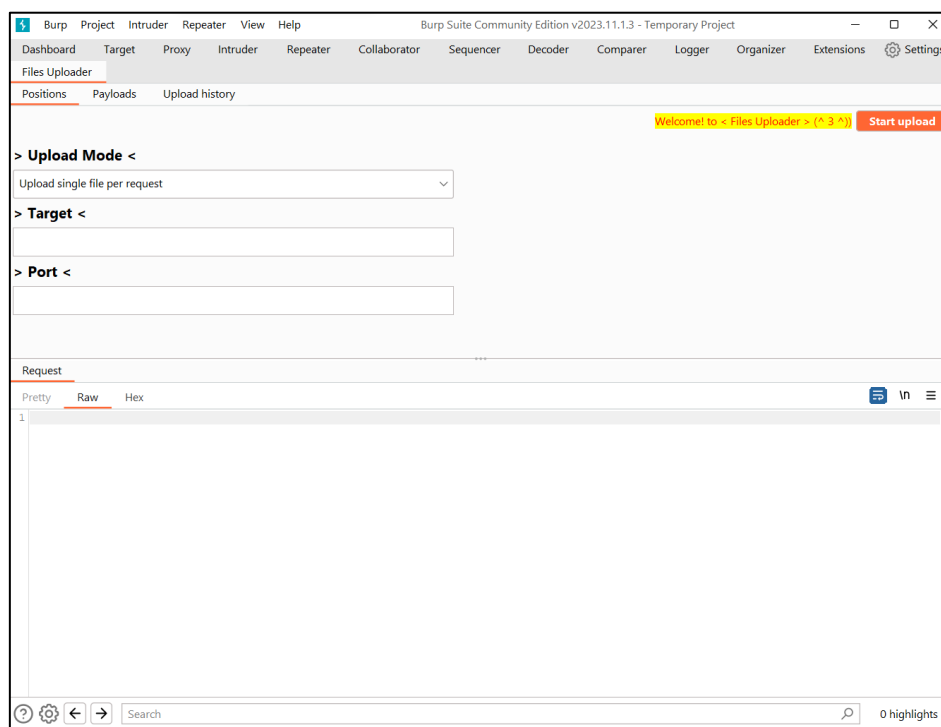
Figure 7 The Files Uploader Extension window that is ready for use.

2. Usage instructions for Files Uploader Extensions.

In the initial steps, set the values within the 'Positions' Sub-Tab first, including 'Upload mode,' 'Target,' 'Port,' and 'Request,' which can be customized manually.

Figure 8 Modifying within the 'Position' Tab section.

Alternatively, you can send a request from other tabs within the Burp Suite program. Right-click on the desired request, then navigate to 'Extensions' -> 'Files Uploader' -> 'Send to Positions'.
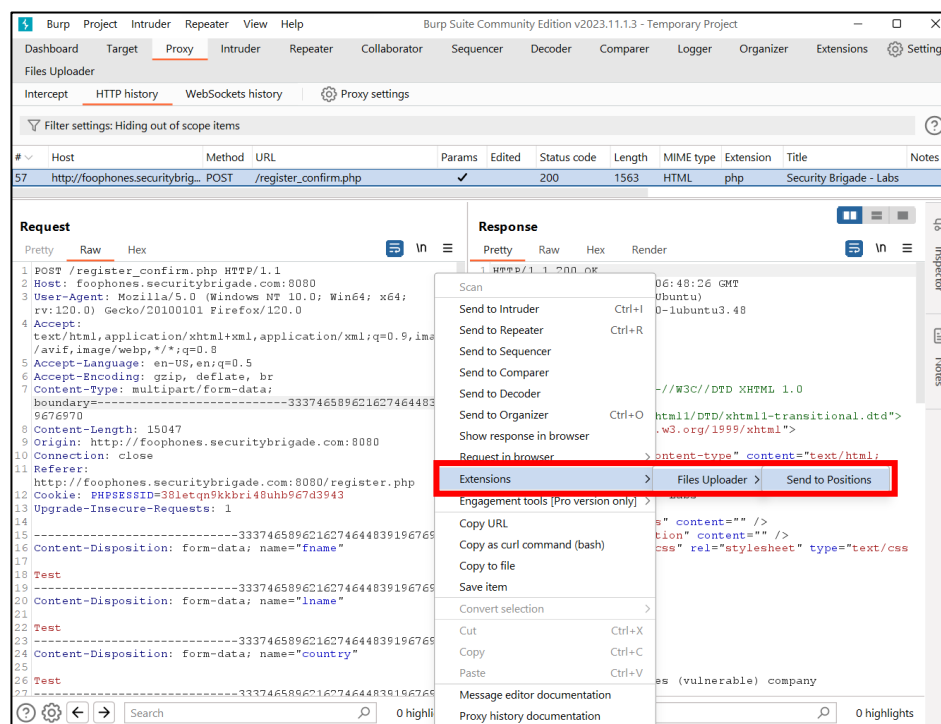
Figure 9 Sending requests to the Extension.

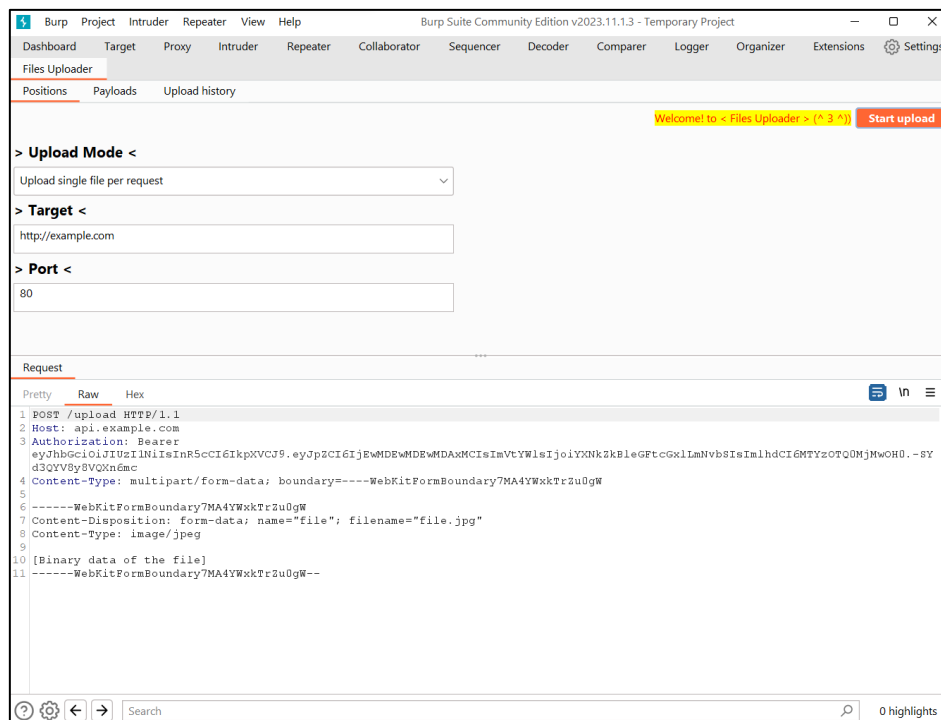The 'Upload Mode' has two options: 'Upload single file per request' and 'Upload multiple files in a request'.

Figure 10 Upload mode

The 'Upload single file per request' mode means creating a request with a payload file for each individual request. Therefore, the number of requests will equal the number of payload files.

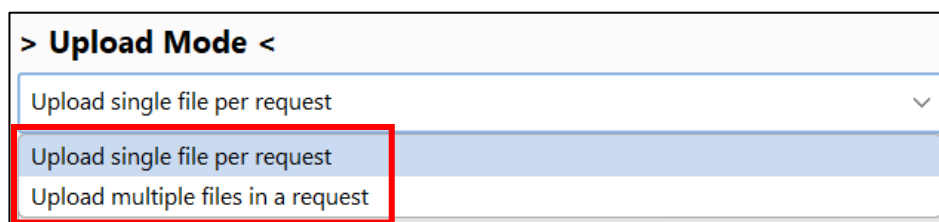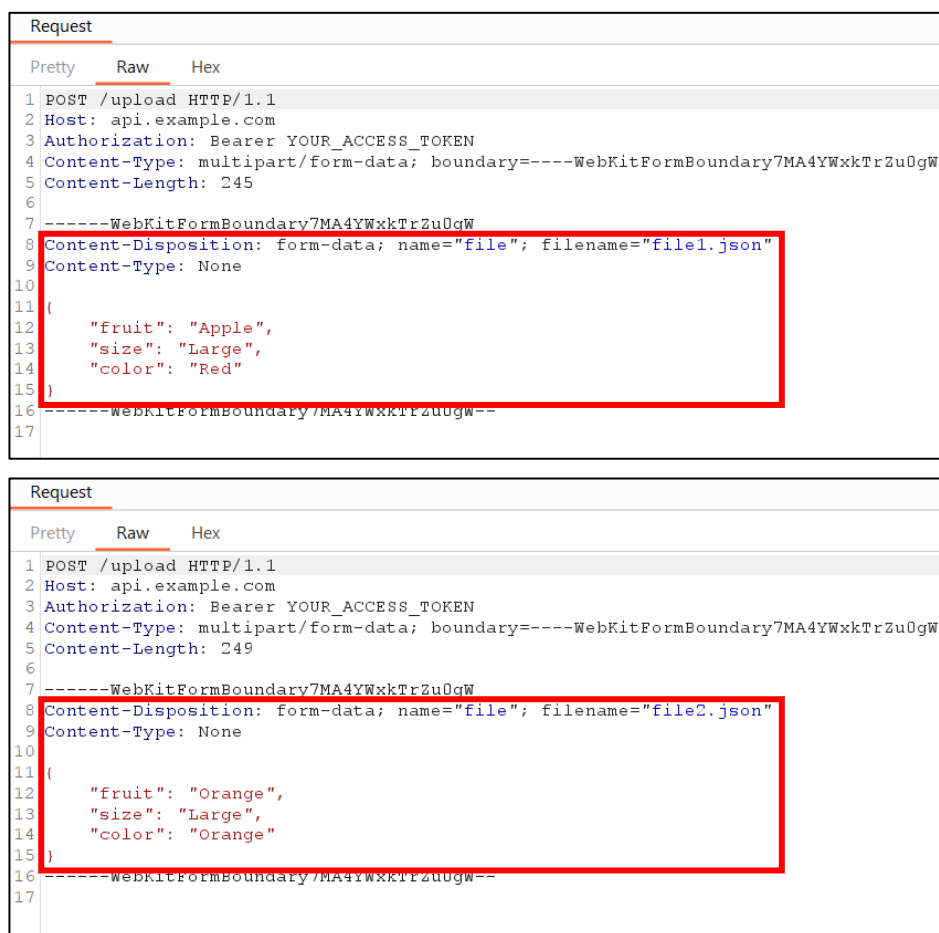**Figure 11 The characteristics of requests created using the 'Upload single file per request' mode.**

And the 'Upload Multiple files in a request' mode is creating a request that contains all payload files within a single request.

Figure 12 The characteristics of requests created using the 'Upload Multiple files in a request' mode.

After setting up the configurations in the 'Positions' Sub-Tab, proceed to the 'Payloads' Sub-Tab. Then, add payload files by clicking the 'Add' button. Next, press the 'Generate' button to create requests based on the previously specified Upload Mode.
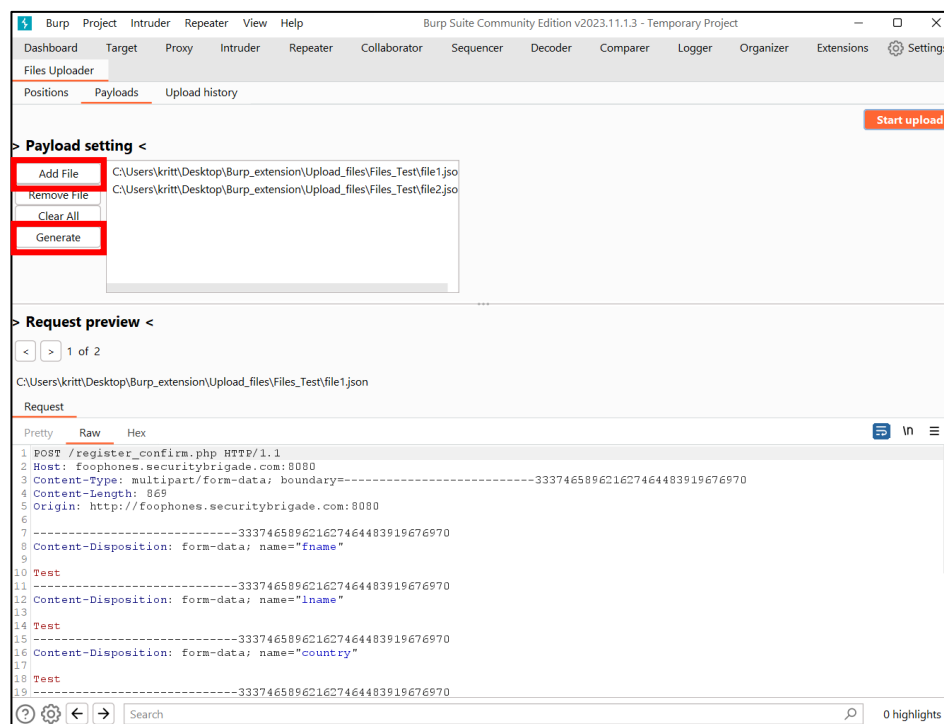
Figure 13 Adding Payload Files to the Request.

Then, click on the 'Upload history' Sub-Tab and click 'Start upload' to send the created requests to the specified Target and Port.
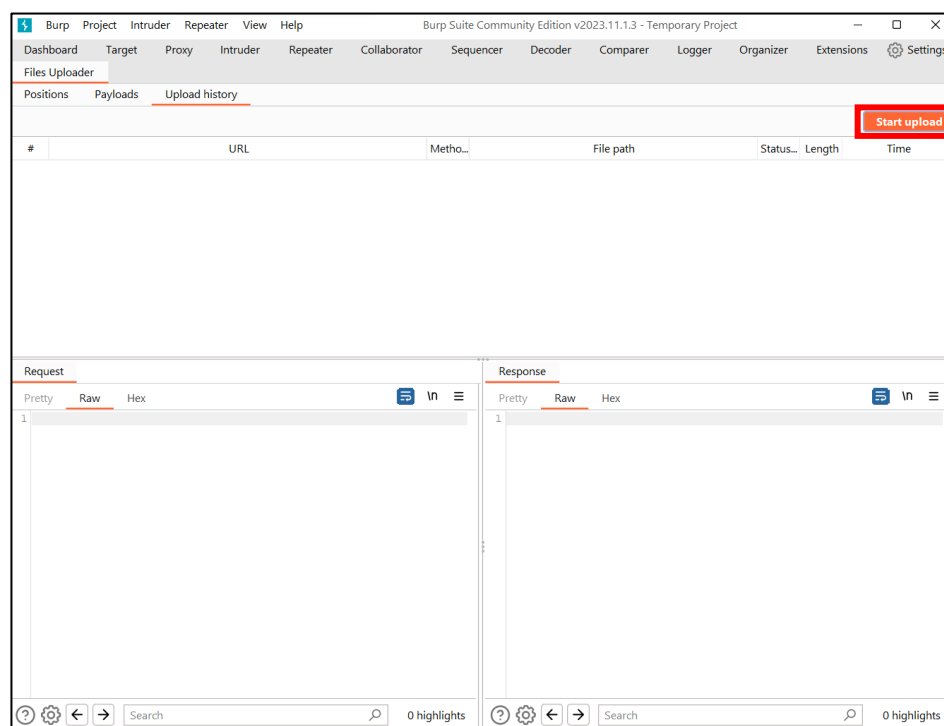

Figure 14 Sending requests to the Target.

When the request is successfully sent, a log will appear in the table, displaying various details such as:

- "#"   The sequence of sending requests.

- "URL"   The target's address where the request is sent.

- "Method"   The HTTP method or the technique used to specify the actions that a client can perform on a web server's resources.

- "File path"   The location of the Payload File added to that specific request.

- "Status code"   The status of the operation sent back from the target server.

- "Length"   The length of the Response sent back from the target server.

- "Time"   The time when the request was sent to the target server.

Additionally, it's possible to display the Request & Response history of each log entry. By selecting and clicking on a row within the table above, the Request & Response will be shown below the table.
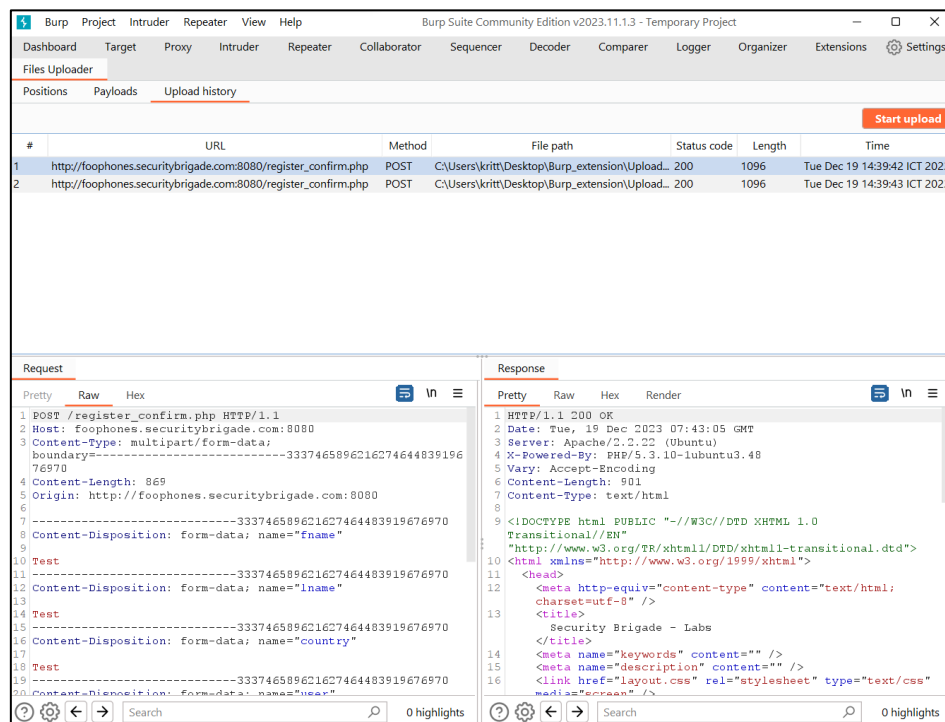

Figure 15 The window displaying the log and Request & Response.

"If there are any errors related to the Files Uploader Extension, the program will display the error near the 'Start Upload' button.
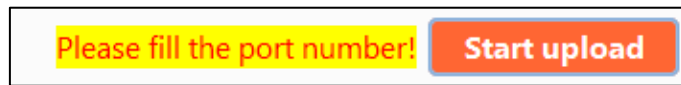

Figure 16 An example of error reporting within the program.

And if the Extension cannot handle the occurring error, the program will display the error in the 'Errors' Sub-Tab within the 'Extensions' Tab.