Front matter

lang: ru-RU title: "personal project#5" subtitle: "Дисциплина: Основы информационной безопасности" author: "Георгес Гедеон"

Formatting

toc-title: "Содержание" toc: true # Table of contents toc_depth: 2 lof: true # Список рисунков lot: true # Список таблиц fontsize: 12pt linestretch: 1.5 papersize: a4paper documentclass: scrreprt polyglossia-lang: russian polyglossia-otherlangs: english mainfont: PT Serif romanfont: PT Serif sansfont: PT Sans monofont: PT Mono mainfontoptions: Ligatures=TeX romanfontoptions: Ligatures=TeX sansfontoptions: Ligatures=TeX,Scale=MatchLowercase monofontoptions: Scale=MatchLowercase indent: true pdf-engine: lualatex header-includes:

- \linepenalty=10 # the penalty added to the badness of each line within a paragraph (no associated penalty node) Increasing the value makes tex try to have fewer lines in the paragraph.
- \interlinepenalty=0 # value of the penalty (node) added after each line of a paragraph.
- \hyphenpenalty=50 # the penalty for line breaking at an automatically inserted hyphen
- \exhyphenpenalty=50 # the penalty for line breaking at an explicit hyphen
- \binoppenalty=700 # the penalty for breaking a line at a binary operator
- \relpenalty=500 # the penalty for breaking a line at a relation
- \clubpenalty=150 # extra penalty for breaking after first line of a paragraph
- \widowpenalty=150 # extra penalty for breaking before last line of a paragraph
- \displaywidowpenalty=50 # extra penalty for breaking before last line before a display math
- \brokenpenalty=100 # extra penalty for page breaking after a hyphenated line
- \predisplaypenalty=10000 # penalty for breaking before a display
- \postdisplaypenalty=0 # penalty for breaking after a display

- \floatingpenalty = 20000 # penalty for splitting an insertion (can only be split footnote in standard LaTeX)
- \raggedbottom # or \flushbottom
- \usepackage{float} # keep figures where there are in the text
- \floatplacement{figure}{H} # keep figures where there are in the text

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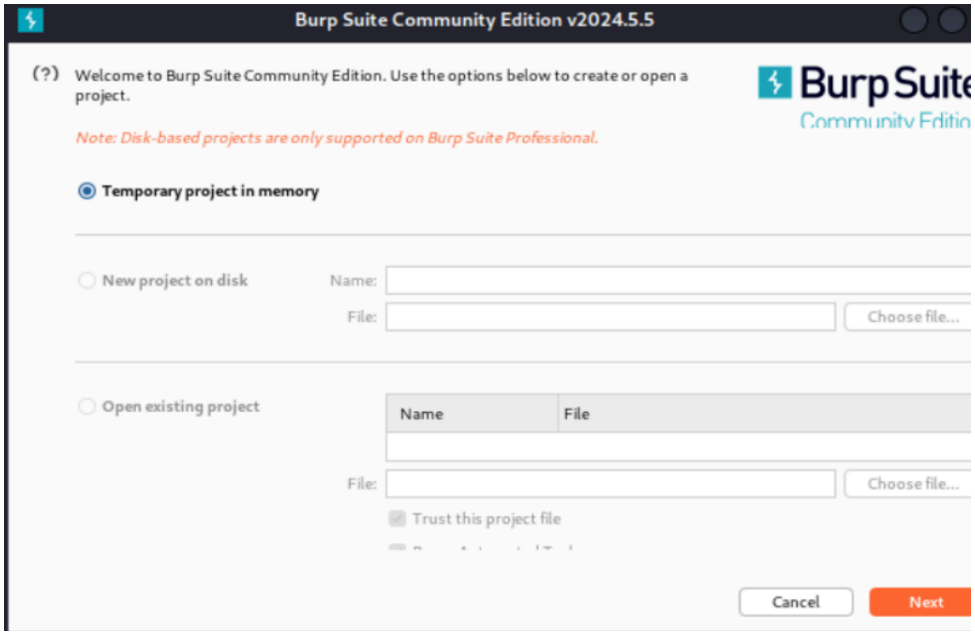
Цель работы

Использование Burp Suite.

Выполнение работы

Запустим необходимые для работы приложения такие, как Apache.



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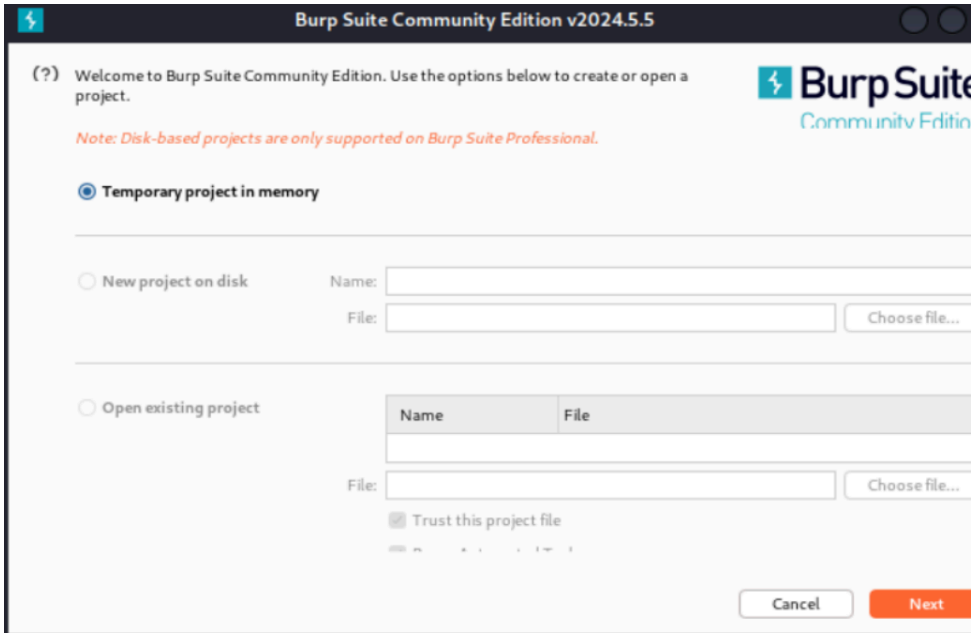
Запускаем Burp Suite через терминал.



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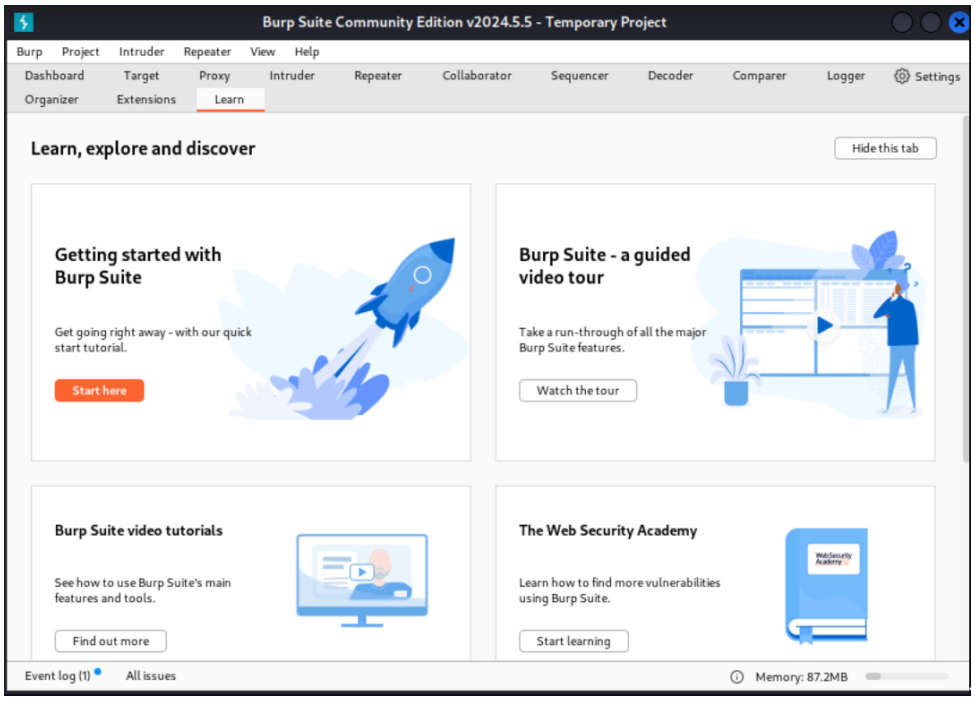

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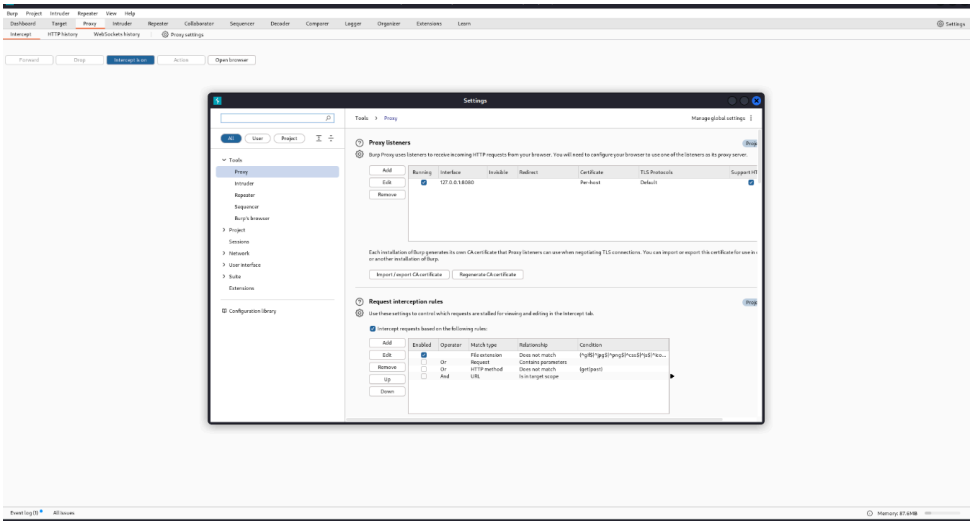
Во вкладке Proxy убедимся, что Intercept включен.



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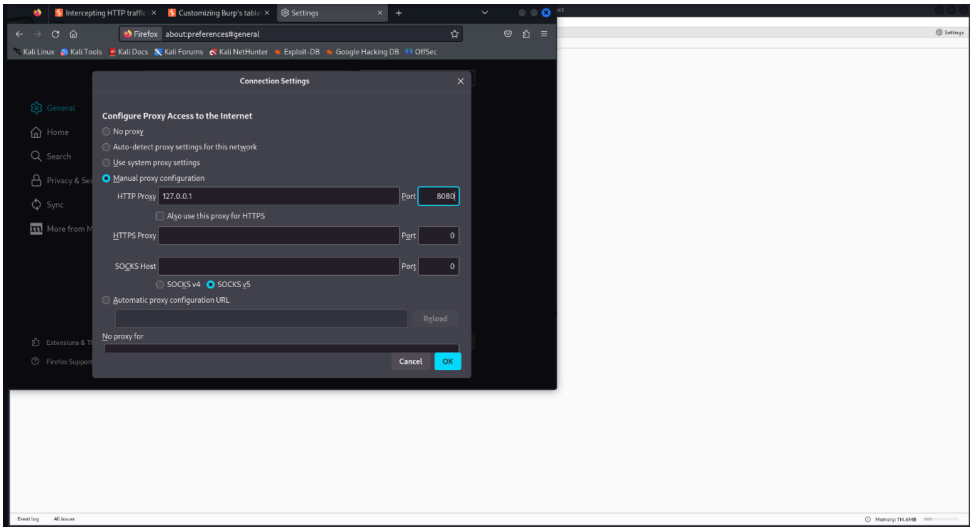
Далее в настройках браузера Mozilla устанавливаем Proxy на наш localhost 127.0.0.1 и также устанавливаем параметр true на network.proxy.allow_hijacking_localhost.



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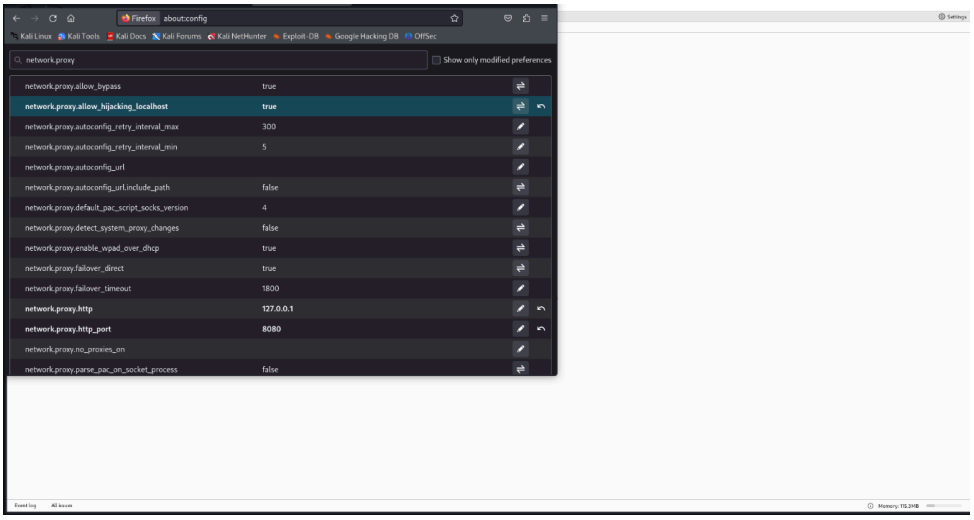

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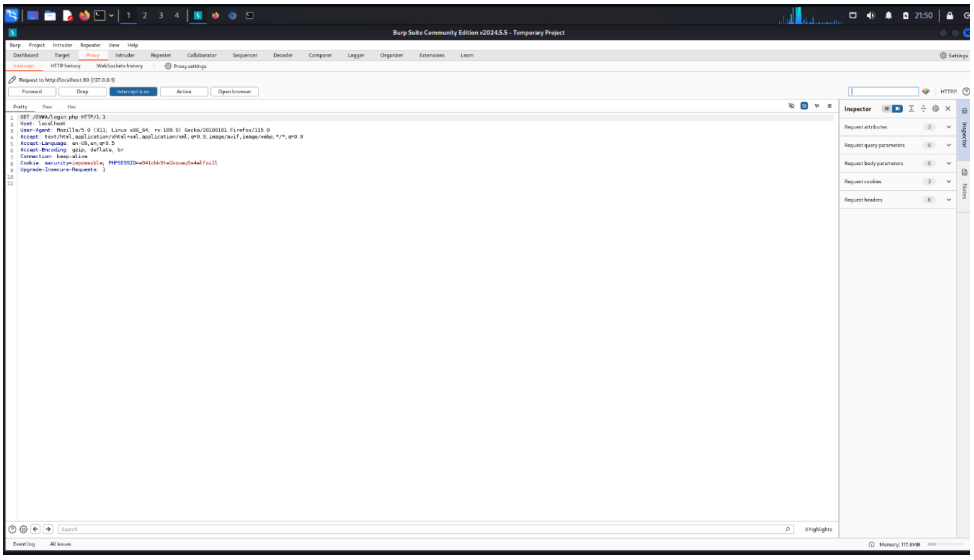
Теперь пытаемся зайти на страницу входа DVWA и видим, что наш сигнал был перехвачен Burp Suite.



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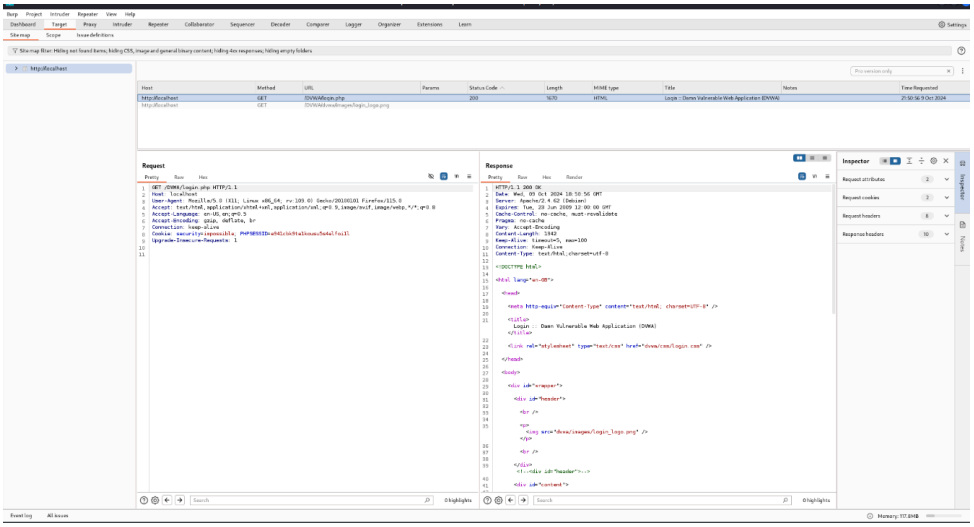
Нажимаем Forward и переходим на вкладку Target, где можно увидеть все истории запросов. Пробуем вести какой-нибудь пароль и логин на странице DVWA и наблюдаем, что запрос был отображен в Burp Suite.



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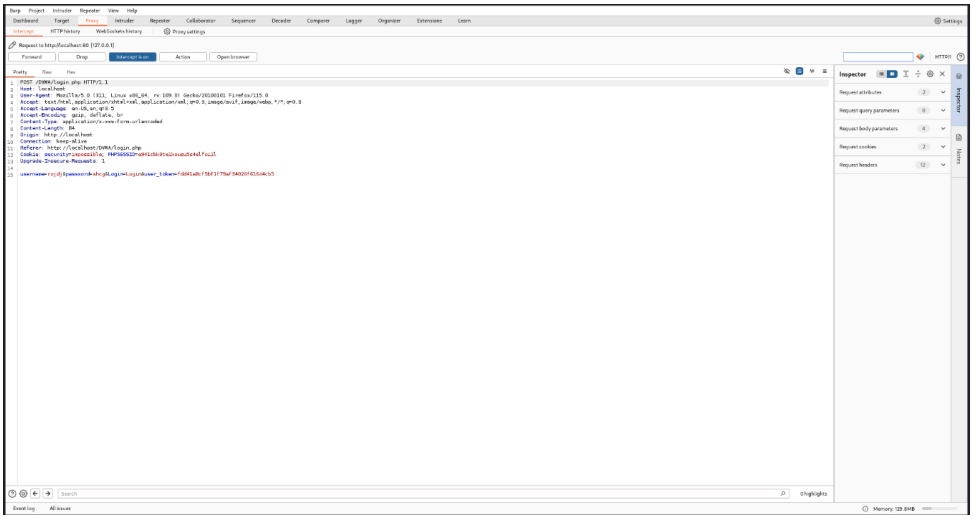

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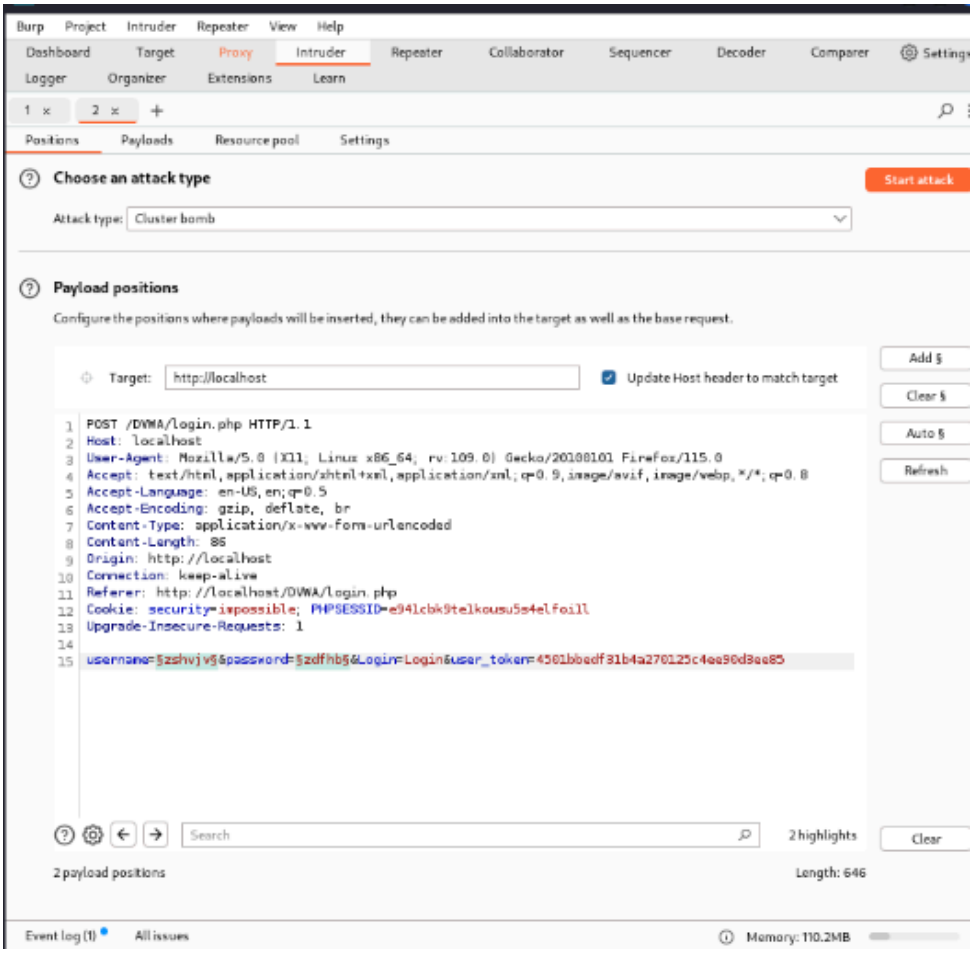
Находим этот запрос в Target и отправляем во вкладку Intruder, нажав правую кнопку мыши и найдя команду Send to Intruder. Перейдя во вкладку Intruder, изменим тип аттак на Claster Bomb и отметим специальными знаками в запросе те данные, которые хотим подобрать, то есть логин и пароль.



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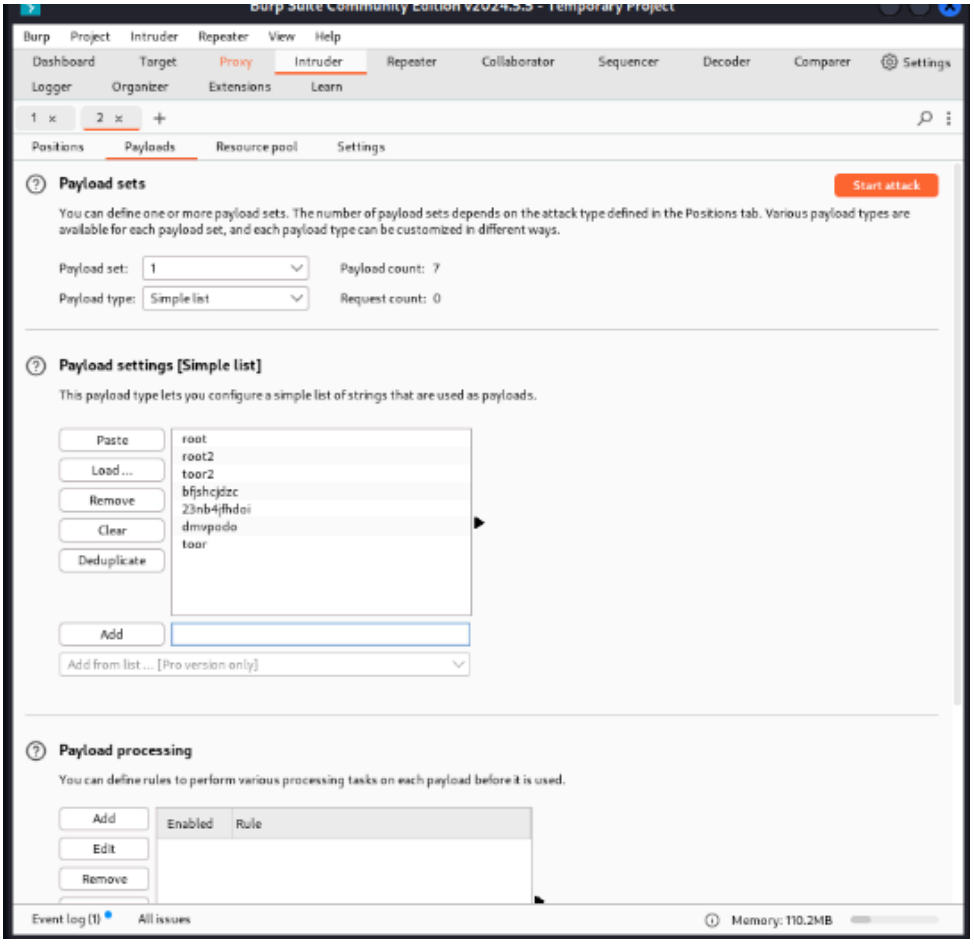
В Payloads заполняем случайными данные для подбора логина и пароля.



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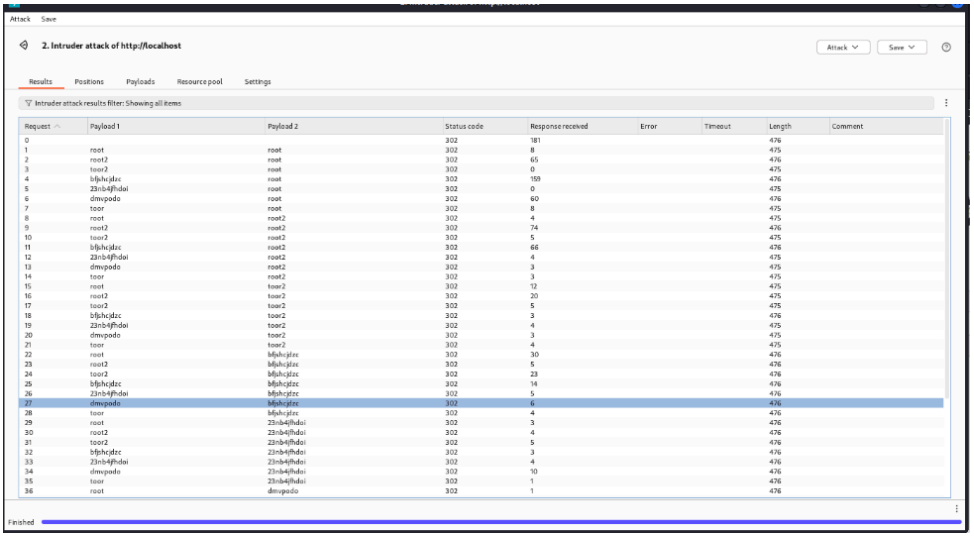

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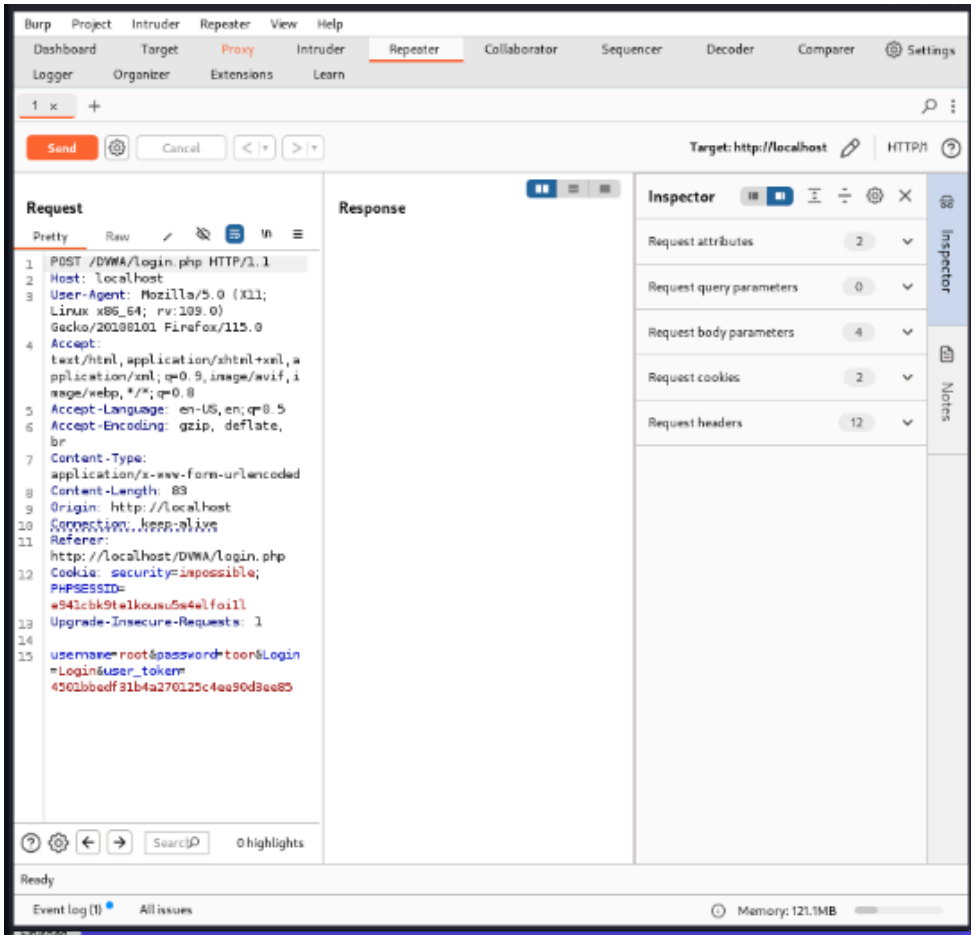
После нажатия кнопки Start Attack программа начинает перебирать всевозможные комбинации для входа. Находим единственно верную комбинацию и отправляем в Repeater для повторной проверки и убеждаемся, что данные подходят .


Burp Project Intruder Repeater View Help
Dashboard Target Proxy Intruder Repeater Collaborator Sequencer Decoder Comparer Settings
Logger Organizer Extensions Learn
Send Cancel
Target: http://localhost HTTP/1
Request
Pretty Raw
POST /DVWA/login.php HTTP/1.1
Host: localhost
User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/115.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate, br
Content-Type: application/x-www-form-urlencoded
Content-Length: 88
Origin: http://localhost
Connection: keep-alive
Referer: http://localhost/DVWA/login.php
Cookie: security=impossible; PHPSESSID=e941cbk9te1kousu5m4elfoill
Upgrade-Insecure-Requests: 1
username=root&password=toor&Login=Login&user_token=4501bbedf31b4a270125c4ea90d3ea85
Search 0 highlights
Response
Inspector
Request attributes 2
Request query parameters 0
Request body parameters 4
Request cookies 2
Request headers 12
Inspector
Notes
Ready
Event log (1) All issues
Memory: 121.1MB

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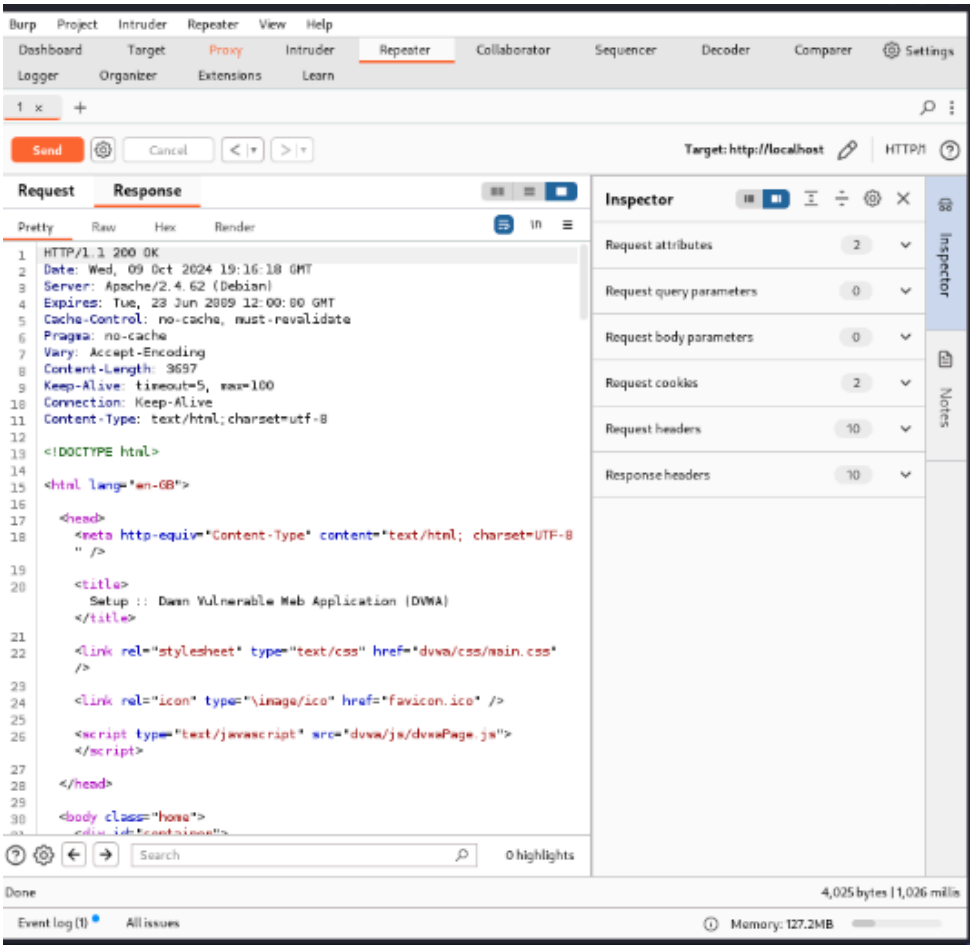

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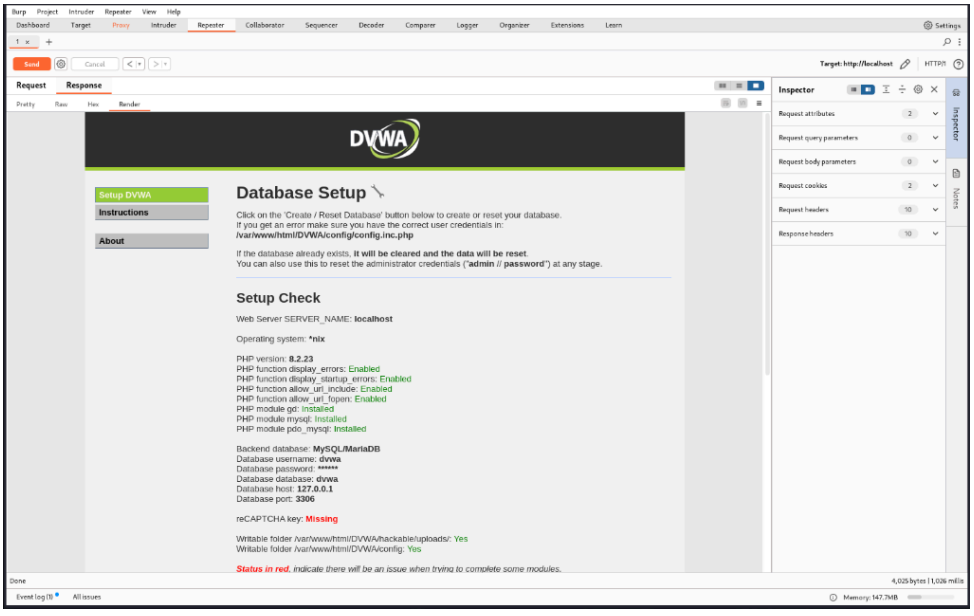

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Вывод

Мы научились пользоваться Burp Suite.