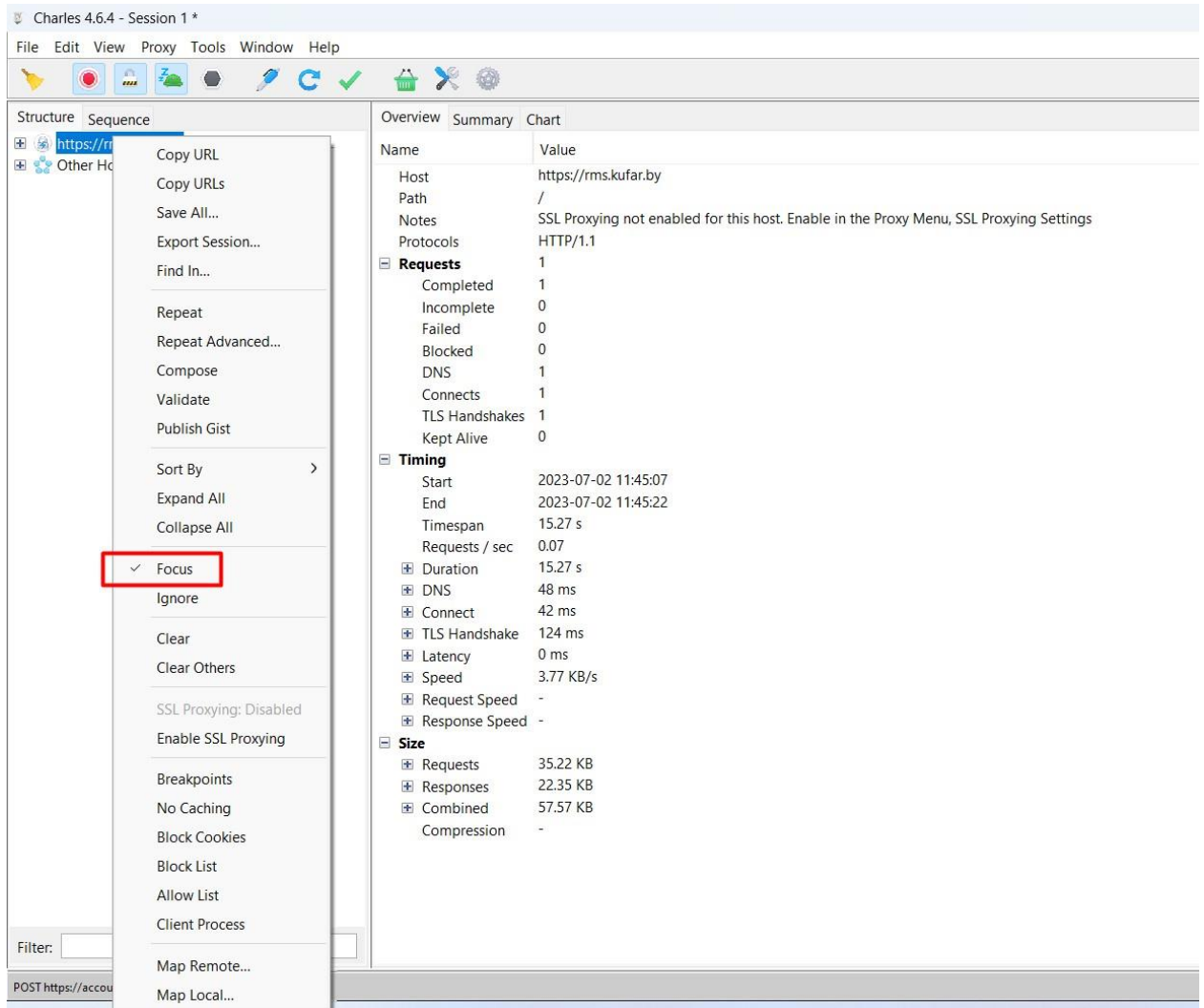
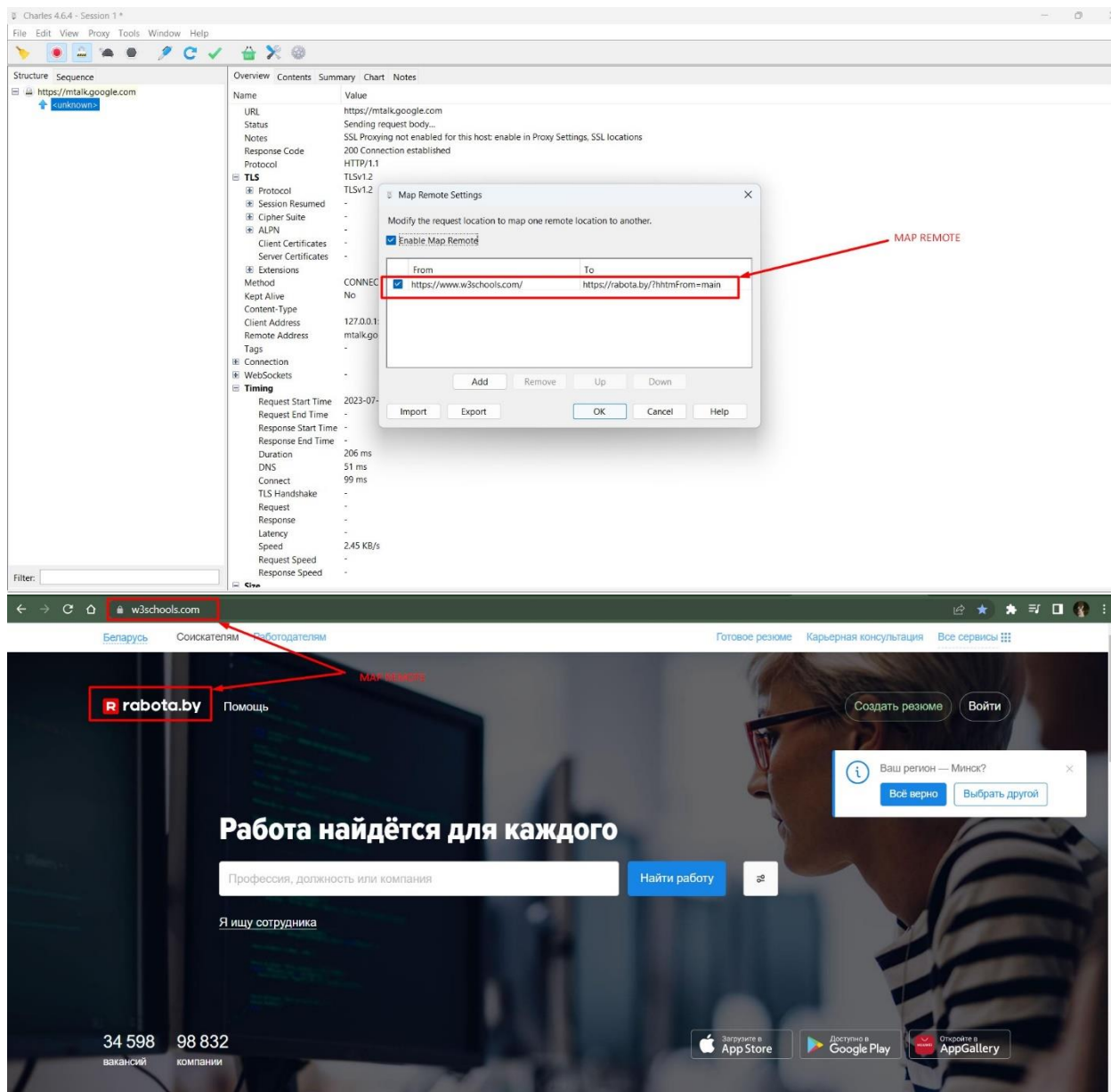


1.



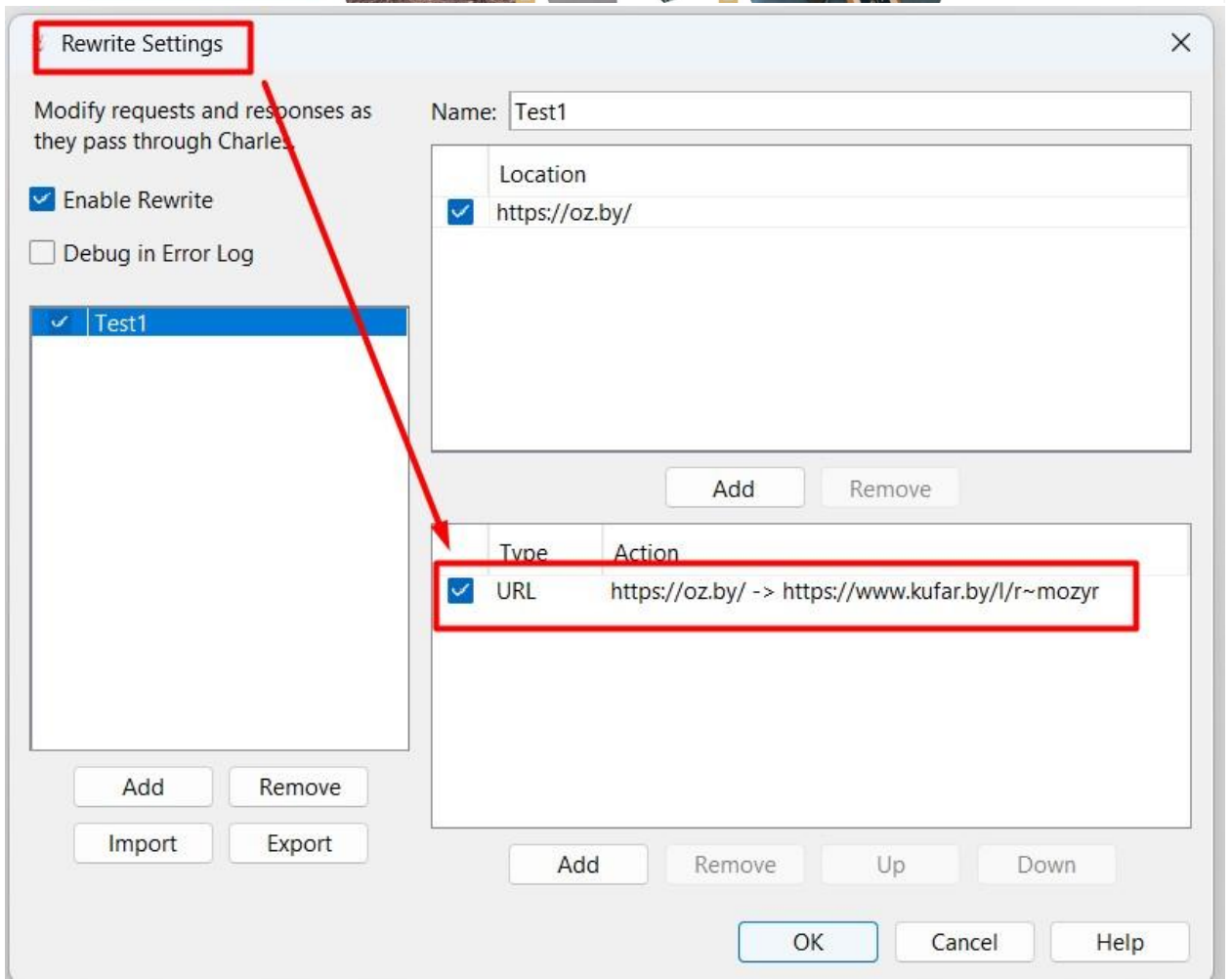
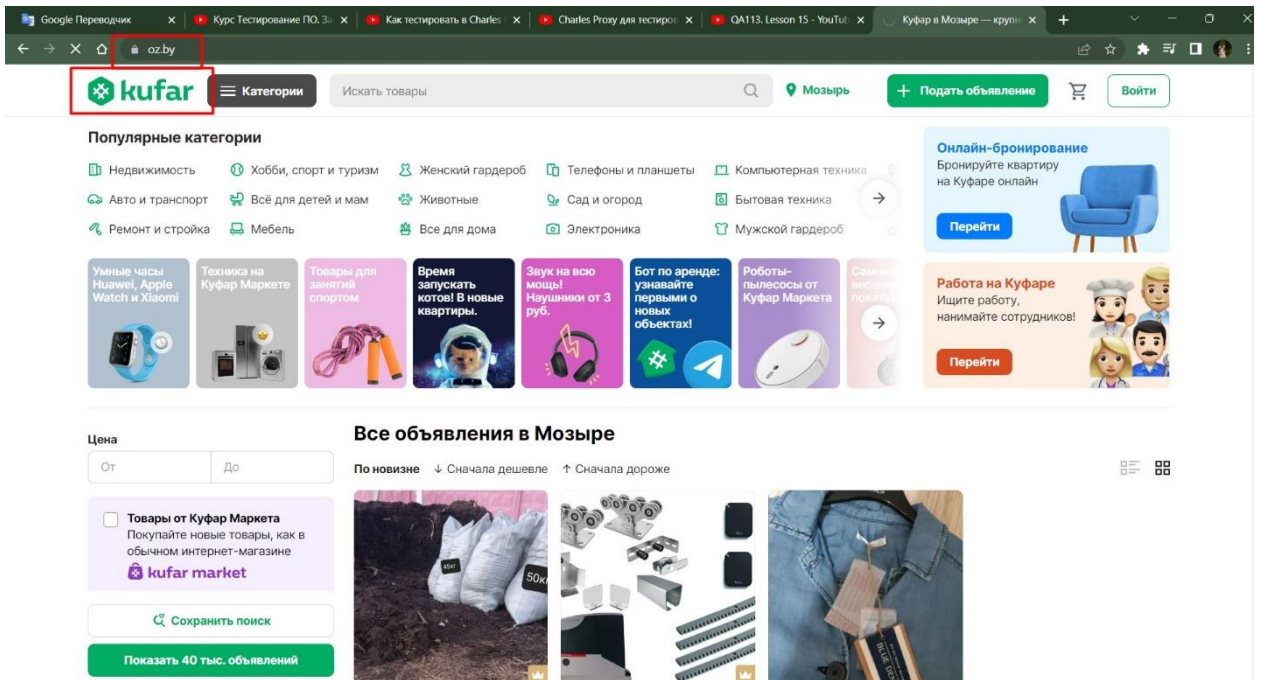
ПОЯСНЕНИЕ: Выбран фокус конкретного сайта. +++

2.

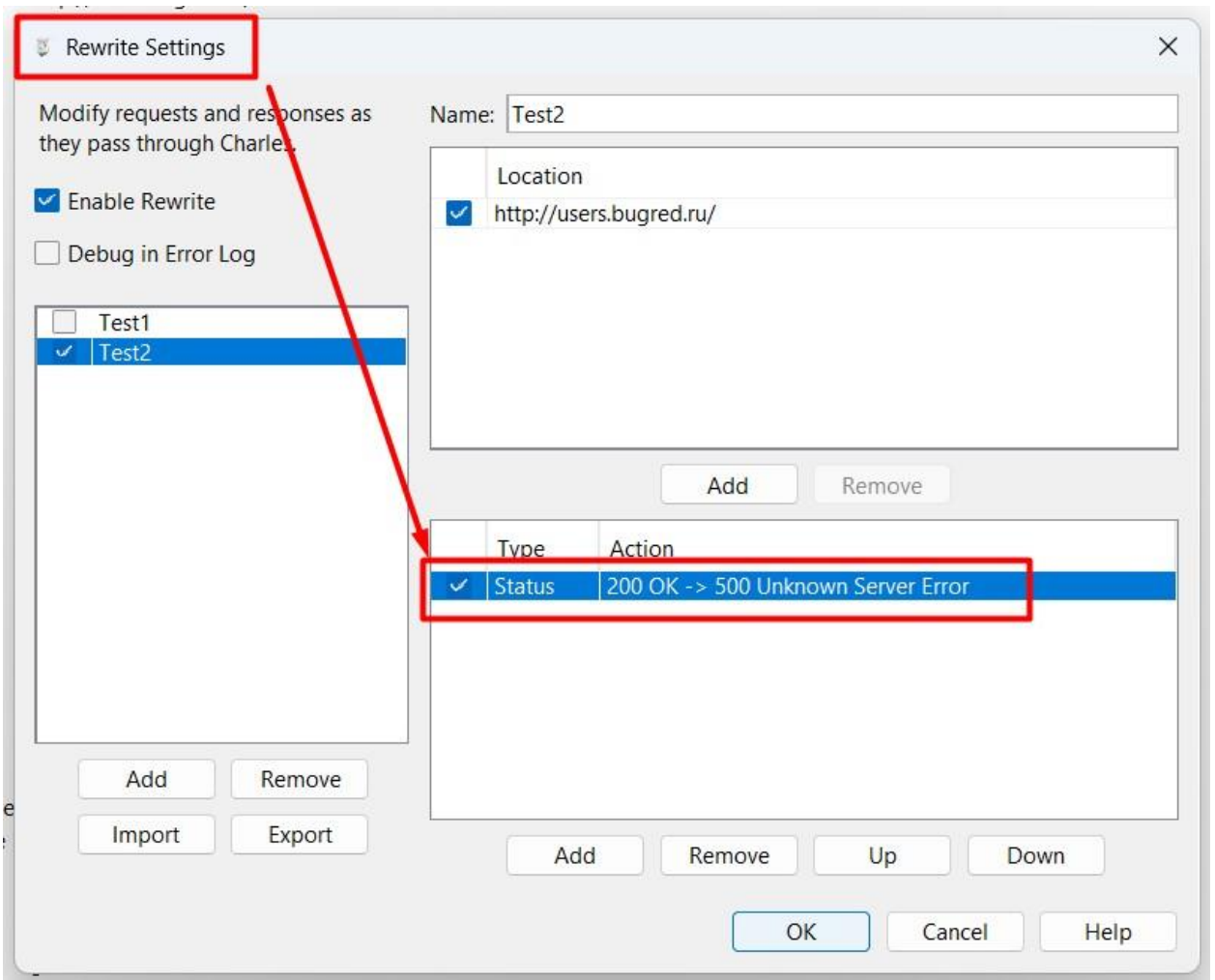


ПОЯСНЕНИЕ: Сделано перенаправление способом Map Remote с сайта <https://www.w3schools.com/> на сайт <https://rabota.by/?hhtmFrom=main> +++

3.



ПОЯСНЕНИЕ: Сделано перенаправление способом Rewrite с сайта <https://oz.by/> на сайт <https://www.kufar.by//r~mozyr> +++



Charles 4.6.4 - Session 1 *

File Edit View Proxy Tools Window Help

Structure Sequence

- http://users.bugred.ru
- https://www.youtube.com
- https://safebrowsing.google.com
- https://apis.reasonsecurity.com
- https://cdnjs.cloudflare.com
- https://cdnjs.cloudflare.com
- https://use.fontawesome.com
- https://fonts.googleapis.com
- https://fonts.gstatic.com
- https://clients4.google.com

Overview Contents Summary Chart Notes

Name	Value
URL	http://users.bugred.ru/
Status	Complete
Notes	Rewrite Tool: status changed to "500 Unknown Server Error"
Response Code	500 Unknown Server Error
Protocol	HTTP/1.1
TLS	-
Protocol	-
Session Resumed	-
Cipher Suite	-
ALPN	-
Client Certificates	-
Server Certificates	-
Extensions	-
Method	GET
Kept Alive	No
Content-Type	text/html; charset=UTF-8
Client Address	127.0.0.1:58847
Remote Address	users.bugred.ru/46.36.221.129:80
Tags	Rewrite
Connection	-
WebSockets	-
Timing	-
Request Start Time	2023-07-02 15:24:15
Request End Time	2023-07-02 15:24:15
Response Start Time	2023-07-02 15:24:16
Response End Time	2023-07-02 15:24:16
Duration	459 ms
DNS	7 ms
Connect	166 ms
TLS Handshake	-
Request	1 ms
Response	2 ms
Latency	283 ms
Speed	13.48 KB/s
Request Speed	604.49 KB/s
Response Speed	2.73 MB/s

Filter:

Size

ПОЯСНЕНИЕ: С помощью Rewrite был изменён статус код с 200 на 500 +++

5.

Throttle Settings ×

Enable Throttling

Only for selected hosts

Location

<https://www.kufar.by>

Throttle preset: 3G ▼

	Download	Upload
Bandwidth (kbps):	<input type="text" value="4096"/>	<input type="text" value="1024"/>
Utilisation (%):	<input type="text" value="100"/>	<input type="text" value="100"/>
Round-trip latency (ms):	<input type="text" value="120"/>	
MTU (bytes):	<input type="text" value="576"/>	
Reliability (%):	<input type="text" value="100"/>	
Stability (%):	<input type="text" value="100"/>	
Unstable quality range (%):	<input type="text" value="100"/>	<input type="text" value="100"/>

Charles 4.6.4 - Session 1 *

File Edit View Proxy Tools Window Help

Structure Sequence

- https://rms.kufar.by
- Other Hosts

Overview Summary Chart

Name	Value
Host	https://rms.kufar.by
Path	/
Notes	SSL Proxying not enabled for this host. Enable in the Proxy Menu, SSL Proxying Settings
Protocols	HTTP/1.1
Requests	1
Completed	1
Incomplete	0
Failed	0
Blocked	0
DNS	1
Connects	1
TLS Handshakes	1
Kept Alive	0
Timing	
Start	2023-07-02 11:45:07
End	2023-07-02 11:45:22
Timespan	15.27 s
Requests / sec	0.07
Duration	15.27 s
DNS	48 ms
Connect	42 ms
TLS Handshake	124 ms
Latency	0 ms
Speed	3.77 KB/s
Request Speed	-
Response Speed	-
Size	
Requests	35.22 KB
Responses	22.35 KB
Combined	57.57 KB
Compression	-

Filter:

ПОЯСНЕНИЕ: С помощью функции Throttling выбрана скорость интернета при 3G подключении и зафиксировано время загрузки сайта. +++

6.

Charles 4.6.4 - Session 1 *

File Edit View Proxy Tools Window Help

Structure Sequence

- https://rms.kufar.by
- Other Hosts

Overview Summary Chart

Name	Value
Host	https://rms.kufar.by
Path	/
Notes	SSL Proxying
Protocols	HTTP/1.1
Requests	1
Completed	1
Incomplete	0
Failed	0
Blocked	0
DNS	1
Connects	1
TLS Handshakes	1
Kept Alive	0
Timing	
Start	2023-07-02 11:47:31
End	2023-07-02 11:47:33
Timespan	15.27 s
Requests / sec	0.07
Duration	15.27 s
DNS	48 ms
Connect	42 ms
TLS Handshake	124 ms
Latency	0 ms
Speed	3.77 KB/s
Request Speed	-
Response Speed	-
Size	
Requests	35.22 KB
Responses	22.35 KB
Combined	57.57 KB
Compression	-

Filter:

Throttle Settings

Enable Throttling

Only for selected hosts

Location

- https://www.kufar.by

Add Remove

Throttle preset: **4G**

Download	Upload
Bandwidth (kbps): 16384	8192
Utilisation (%): 100	100
Round-trip latency (ms): 80	
MTU (bytes): 576	
Reliability (%): 100	
Stability (%): 100	
Unstable quality range (%): 100	100

Add Preset Remove Preset

Import Export OK Cancel Help

Charles 4.6.4 - Session 1 *

File Edit View Proxy Tools Window Help

Structure Sequence

- https://rms.kufar.by
- Other Hosts

Overview Summary Chart

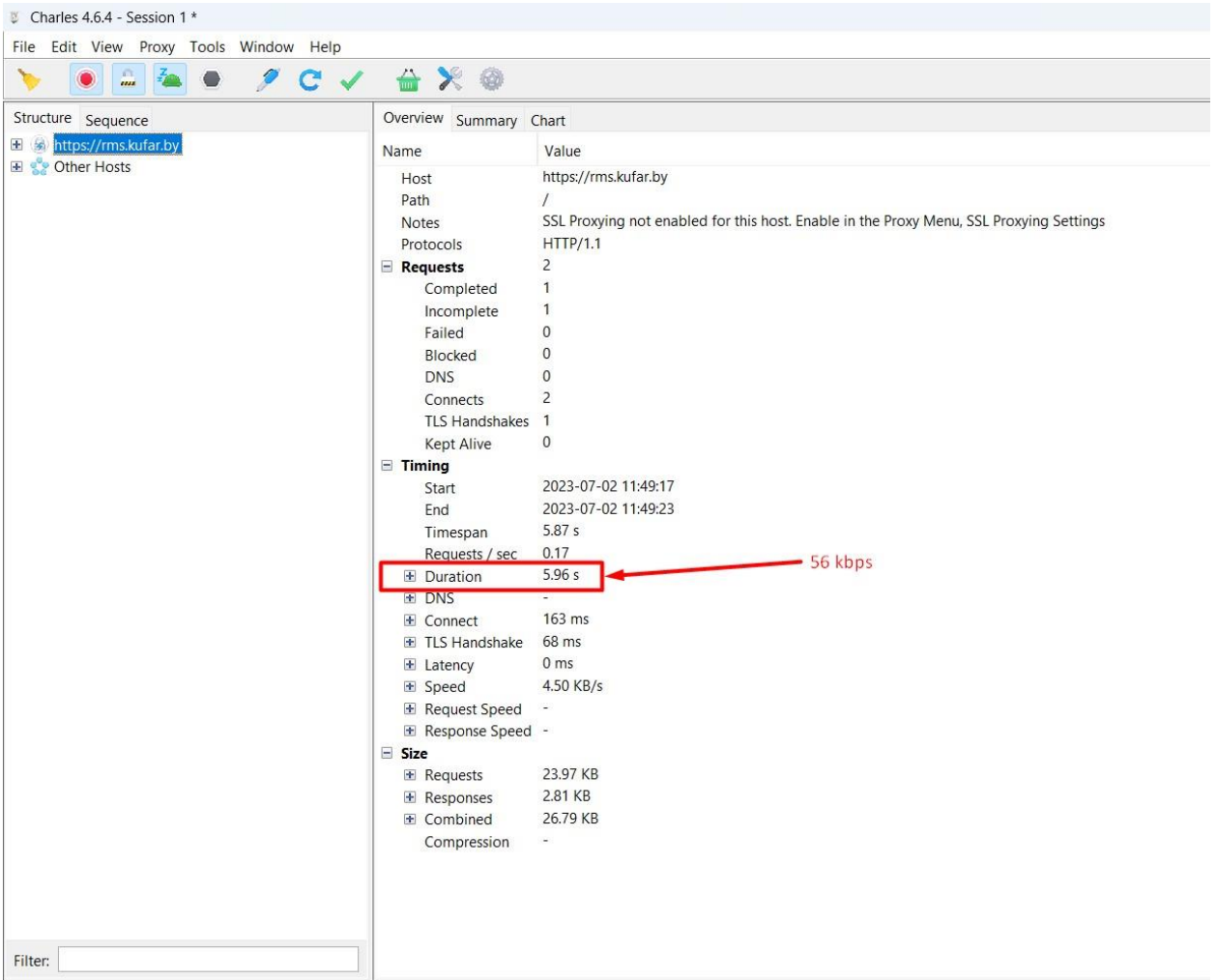
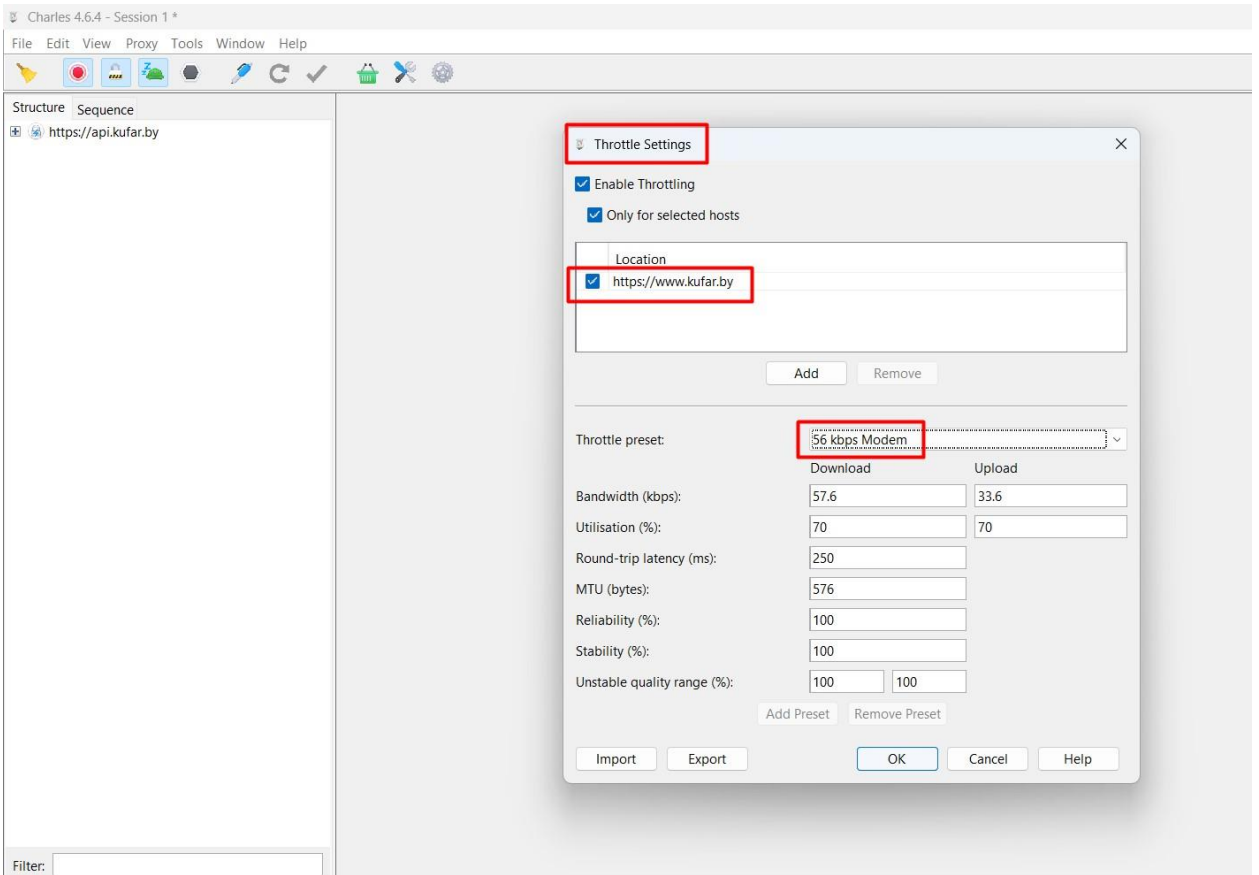
Name	Value
Host	https://rms.kufar.by
Path	/
Notes	SSL Proxying not enabled for this host. Enable in the Proxy Menu, SSL Proxying Settings
Protocols	HTTP/1.1
Requests	1
Completed	1
Incomplete	0
Failed	0
Blocked	0
DNS	0
Connects	1
TLS Handshakes	1
Kept Alive	0
Timing	
Start	2023-07-02 11:47:31
End	2023-07-02 11:47:33
Timespan	2.21 s
Requests / sec	0.45
Duration	2.21 s
DNS	-
Connect	42 ms
TLS Handshake	50 ms
Latency	0 ms
Speed	11.94 KB/s
Request Speed	-
Response Speed	-
Size	
Requests	23.50 KB
Responses	2.84 KB
Combined	26.33 KB
Compression	-

Filter:

4G

ПОЯСНЕНИЕ: С помощью функции Throttling выбрана скорость интернета при 4G подключении и зафиксировано время загрузки сайта. +++

7.



ПОЯСНЕНИЕ: С помощью функции Throttling выбрана скорость интернета при подключении 56 kbps и зафиксировано время загрузки сайта. +++

8.

The screenshot displays the Charles Proxy 4.6.4 interface. The main window shows the 'Throttle Settings' dialog box for the host 'https://rms.kufar.by'. The 'Enable Throttling' checkbox is checked, and the 'Only for selected hosts' checkbox is also checked. The 'Location' field contains 'https://www.kufar.by'. The 'Throttle preset' dropdown is set to 'QA-113-without internet'. The 'Bandwidth (kbps)' field is set to 0 for both Download and Upload. The background shows the Charles Proxy interface with a list of requests and a browser window displaying a 404 error message.

Name	Value
Host	https://rms.kufar.by
Path	/
Notes	SSL Proxying not enabled
Protocols	HTTP/1.1
Requests	2
Completed	2
Incomplete	0
Failed	0
Blocked	0
DNS	0
Connects	2
TLS Handshakes	2
Kept Alive	0
Start	2023-07-02 11:00:00
End	2023-07-02 11:00:00
Timespan	1 m 15 s
Requests / sec	0.03
Duration	12.86 s
DNS	-
Connect	163 ms
TLS Handshake	182 ms
Latency	0 ms
Speed	4.39 KB/s
Request Speed	-
Response Speed	-
Requests	34.00 KB
Responses	22.50 KB
Combined	56.50 KB
Compression	-



Не удастся получить доступ к сайту

Превышено время ожидания ответа от сайта www.kufar.by.

Попробуйте сделать следующее:

- Проверьте подключение к Интернету.
- Проверьте настройки прокси-сервера и брандмауэра.
- Выполните диагностику сети в Windows

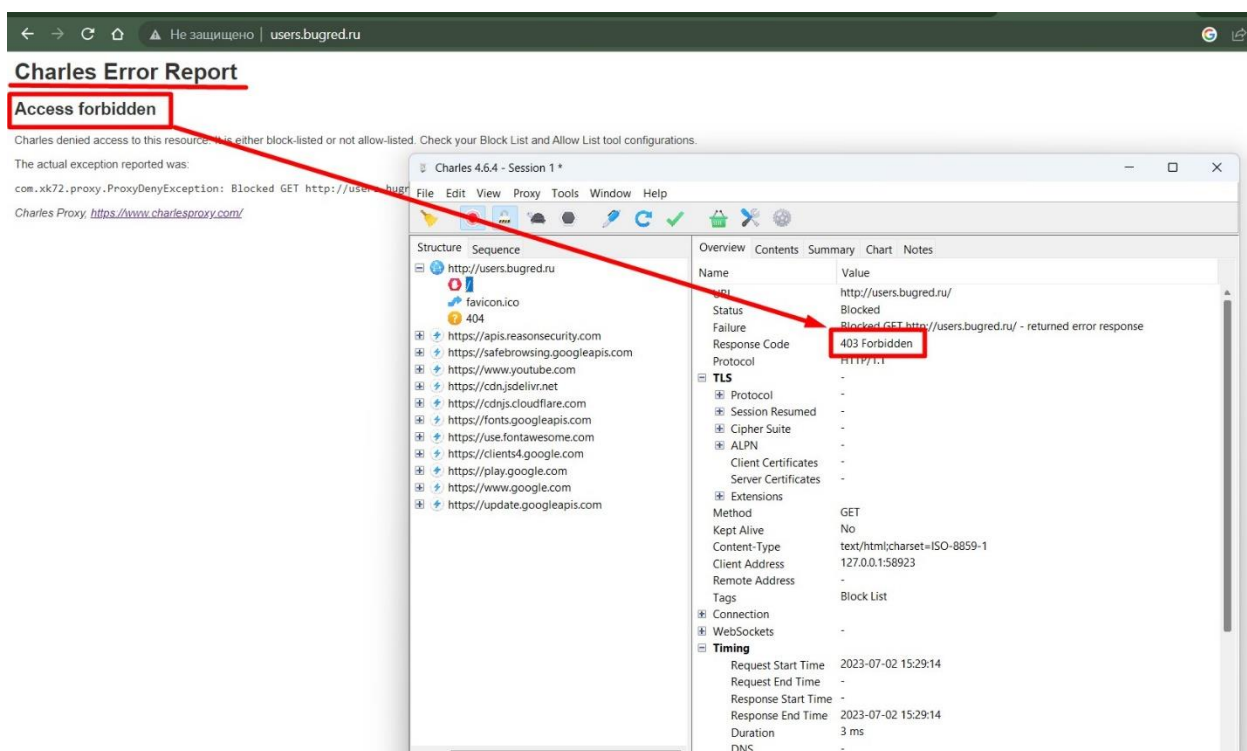
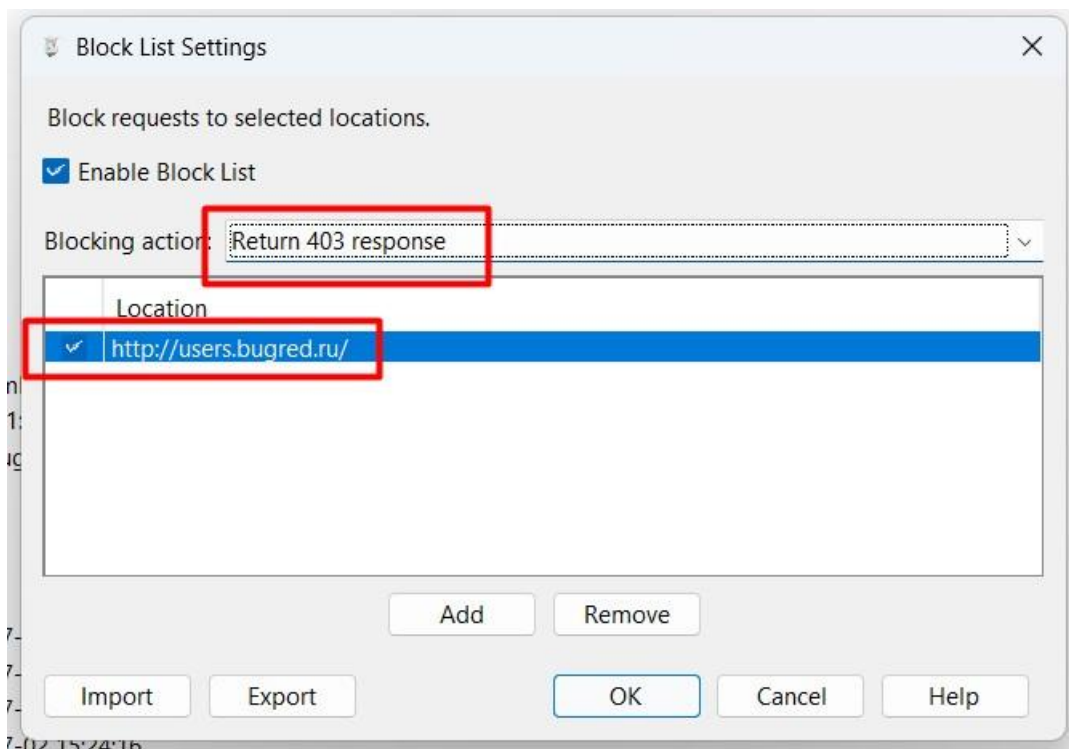
ERR_TIMED_OUT

Перезагрузить

Сведения

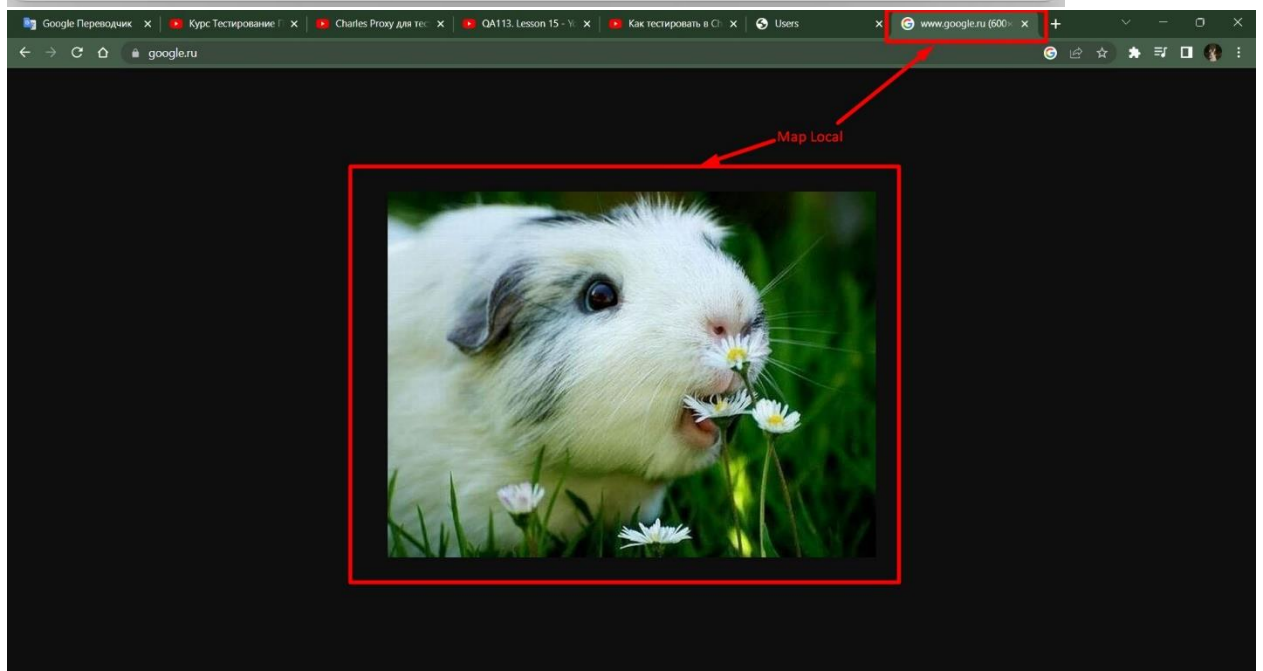
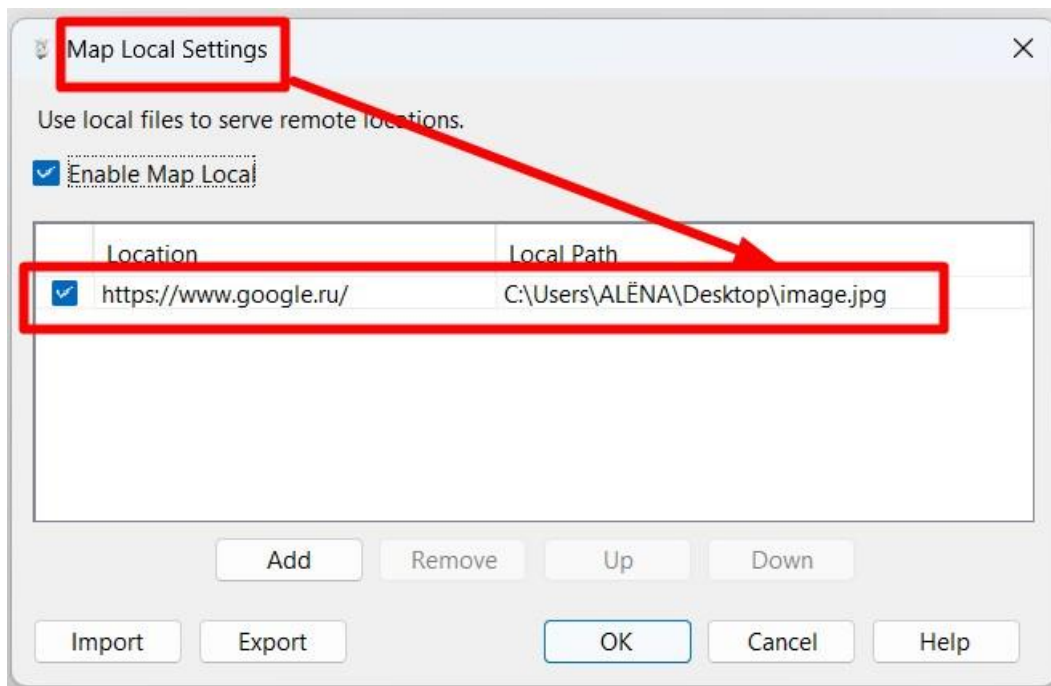
ПОЯСНЕНИЕ: С помощью функции Throttling смоделировано отключение интернета и указано, что при этом отображается на экране. +++

9.

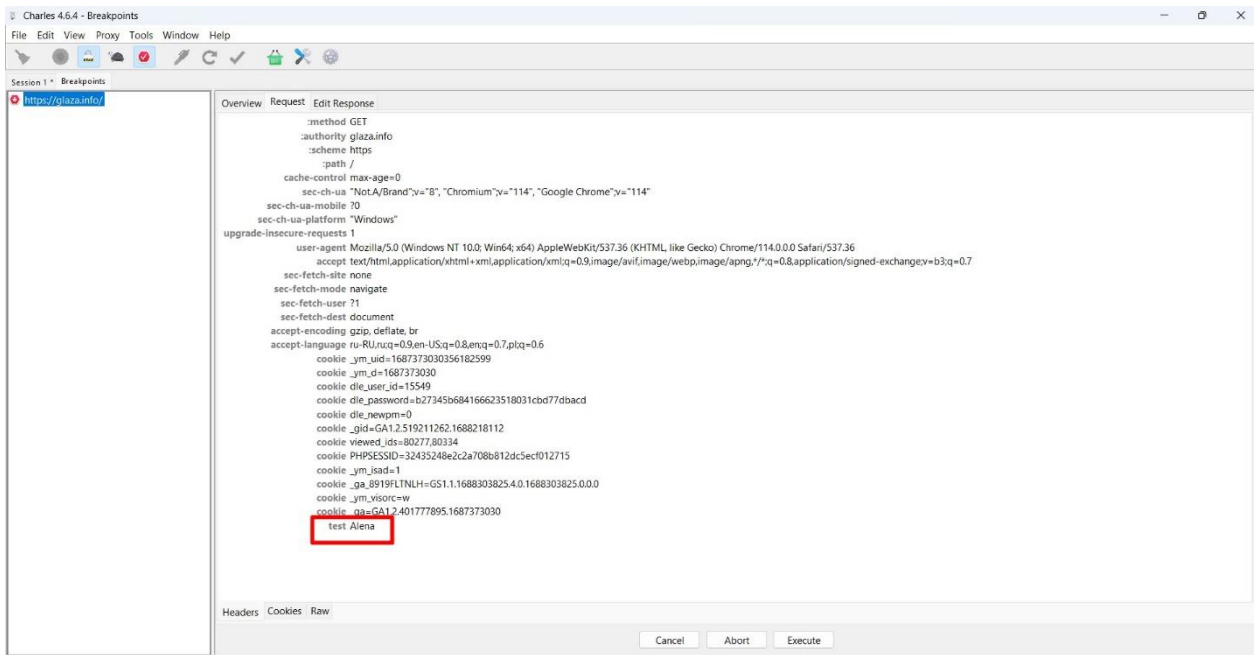


ПОЯСНЕНИЕ: С помощью функции Block List был подменён статус код на 403. На экране отображается причина. +++

10.

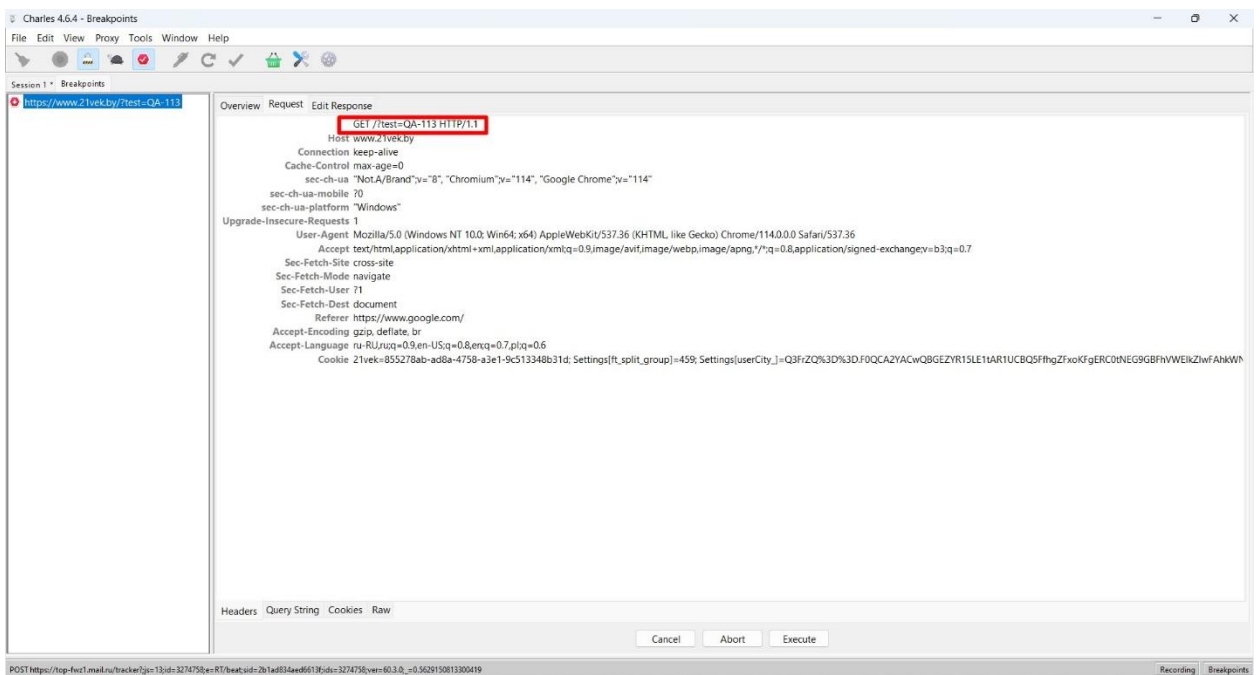


ПОЯСНЕНИЕ: С помощью функции Map Local произвелась замена изображения экрана. +++



ПОЯСНЕНИЕ: С помощью функции Breakpoint была изменена информация в заголовке запроса. +++

12.



ПОЯСНЕНИЕ: С помощью функции Breakpoint дан новый запрос. +++

13.

Charles 4.6.4 - Session 1 *

File Edit View Proxy Tools Window Help

Structure Sequence

- https://www.youtube.com
- https://clients4.google.com
- https://mc.yandex.ru
- https://top-fwz1.mail.ru
- https://www.21vek.by
 - users
 - <unknown>
 - mindbox-services-worker.js?messagingSend
- https://api.mindbox.ru
- https://personalization-web-stable.mindbox.ru
- https://kite.kmartsa.com
- https://21vek.it-symphony.com
- https://clickserve.dartsearch.net
- https://dgcontent.go2cloud.org
- https://ch.21vek.by
- https://apm.21vek.by:8200
- https://play.google.com
- http://www.gstatic.com
- https://safebrowsing.googleapis.com
- https://i.ytimg.com
- https://stream.renta.im
- https://www.google-analytics.com
- https://www.google.by
- https://analytics.google.com
- https://ev.stellarlabs.ai
- https://gate.21vek.by
- https://apis.reasonsecurity.com
- https://analytics.tiktok.com
- https://stataad.ru
- https://cdn01.stellarlabs.ai
- https://jnn-pa.googleapis.com
- https://fonts.gstatic.com

Filter:

Overview Contents Summary Chart Notes

Name	Value
URL	https://www.21vek.by/
Status	Complete
Response Code	500 test
Protocol	HTTP/1.1
TLS	TLSv1.2 (TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256)
Protocol	TLSv1.2
Session Resumed	Yes
Cipher Suite	TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
ALPN	-
Client Certificates	-
Server Certificates	3
Extensions	-
Method	GET
Kept Alive	No
Content-Type	text/html; charset=UTF-8
Client Address	127.0.0.1:57275
Remote Address	www.21vek.by/178.163.236.92:443
Tags	Breakpoints
Connection	-
WebSockets	-
Timing	
Request Start Time	2023-07-02 16:27:35
Request End Time	2023-07-02 16:27:58
Response Start Time	2023-07-02 16:27:58
Response End Time	2023-07-02 16:27:59
Duration	643 ms
DNS	118 ms
Connect	45 ms
TLS Handshake	42 ms
Request	0 ms
Response	264 ms
Latency	174 ms
Speed	132.68 KB/s
Request Speed	0 B/s
Response Speed	306.52 KB/s
Size	
Request	4.39 KB (4.497 bytes)

Charles 4.6.4 - Breakpoints

File Edit View Proxy Tools Window Help

Session 1 * Breakpoints

- https://www.21vek.by/?test=QA-113

Overview Request Edit Response

HTTP/1.1 500 TEST

server: openresty
date: Sun, 02 Jul 2023 13:31:48 GMT
content-type: text/html; charset=UTF-8
transfer-encoding: chunked
vary: Accept-Encoding
set-cookie: 21vek=855278ab-ad8a-4758-a3e1-9c513348b31d; expires=Mon, 01-Jul-2024 13:31:48 GMT; Max-Age=31536000; path=/; domain=21vek.by; HttpOnly
set-cookie: Settings[u_source]=Q3FrZQ%3D%3D.BBIfzCABhpBXwGAnOGEF5WHVcDCQ%3D; expires=Tue, 02-Jul-2024 13:31:48 GMT; Max-Age=31622400; path=/; domain=21vek.by
app: prod-a1-app-server-02
content-encoding: gzip
x-n-hash: baaf715a6-41a6-4ca6-89a6-b66b3cc64a6
x-gate-user-id:

Headers Set Cookie Text HTML

Cancel Abort Execute

POST https://nd4d002.com/collect/deliver

Recording Breakpoints

ПОЯСНЕНИЕ: С помощью функции Breakpoint был изменён статус код в ответе.



14.

The image shows a sequence of operations in a web browser using Charles Proxy. A breakpoint is set on the response of a GET request to the URL 'Платные услуги от \$500'. The response content is shown in the 'Contents' pane, with the text 'Платные услуги от \$500' highlighted in red. Below the browser screenshot is a screenshot of the 'Users' application interface, where the text 'Платные услуги от \$500' has been replaced by 'Пользователи QA-113' in the navigation bar, also highlighted in red.

ПОЯСНЕНИЕ: С помощью функции Breakpoint был изменён HTML код, что отобразилось на самом сайте.

Алена, вы огромная умничка)) очень здорово все) постарались на славу)