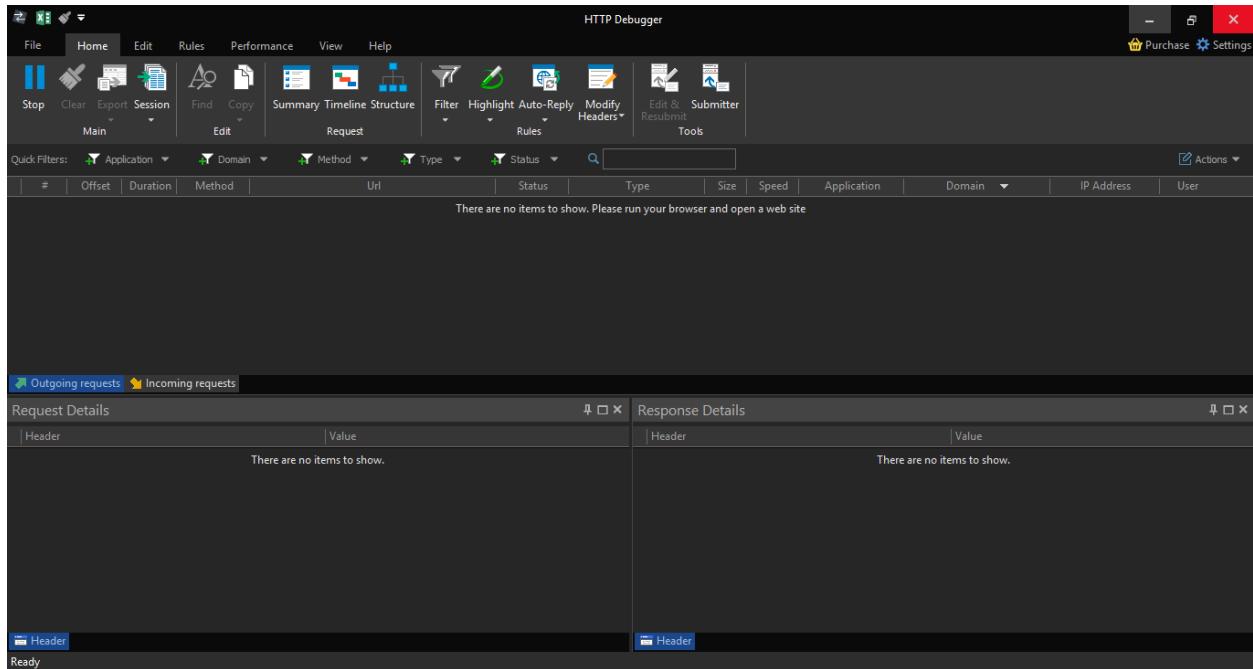


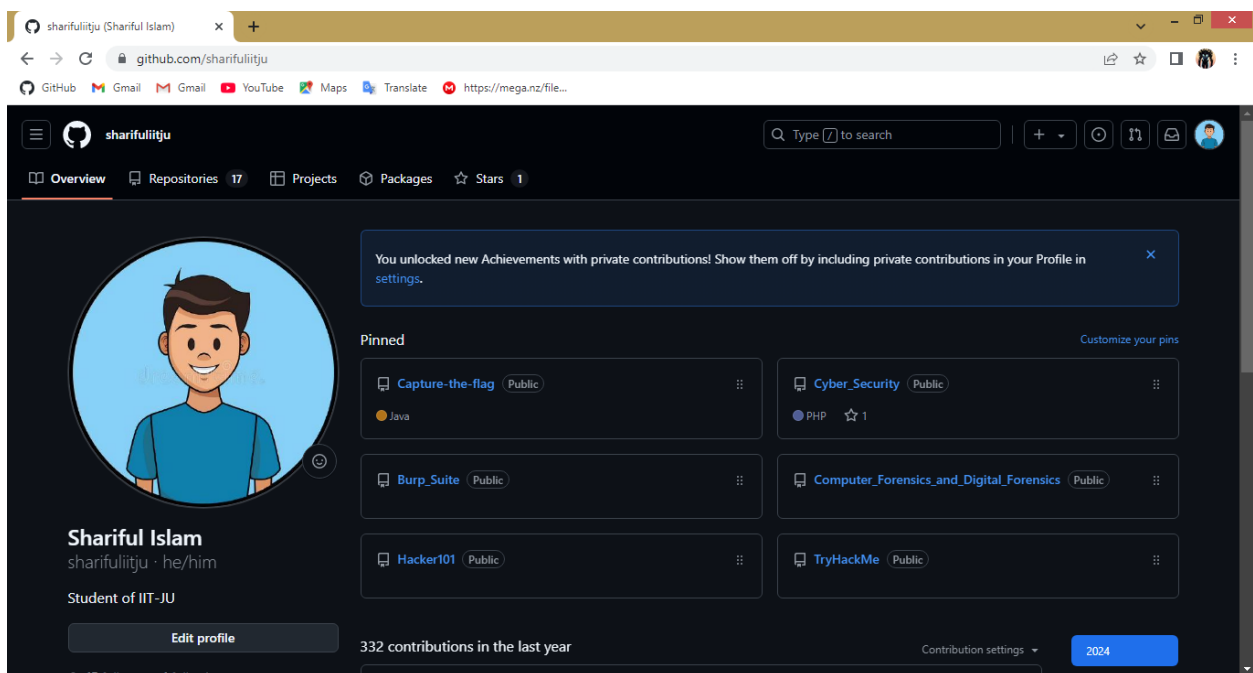
# HTTP Debugger

## Lesson no 3

Install and open HTTP Debugger:



Open any browser and then open http debugger:



Shariful Islam

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<https://github.com/sharifulitju>

HTTP Debugger

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Quick Filters: Application Domain Method Type Status

#	Offset	Duration	Method	Url	Status	Type	Size	Speed	Application	Domain	IP Address	User
8	44.522	0.113	POST	https://www.googleapis.com/oauth2/v4/tok...	200	application/json; charset...	0.663	13.681	chrome.exe *64	www.googleapis.com	142.250.182.74:443	SHARIFU...
106	106.220	1.057	POST	https://www.googleapis.com/oauth2/v4/tok...	200	application/json; charset...	0.677	1.475	chrome.exe *64	www.googleapis.com	142.250.182.74:443	SHARIFU...
6	44.061	0.395	GET	https://www.google.com/complete/search?	200	text/javascript; charset=u...	0.605	12.490	chrome.exe *64	www.google.com	142.250.196.68:443	SHARIFU...
7	44.501	0.409	GET	https://www.google.com/async/newtab_og...	200	application/json; charset...	36.118	95.216	chrome.exe *64	www.google.com	142.250.196.68:443	SHARIFU...
9	44.538	0.133	GET	https://www.google.com/async/newtab_pro...	200	application/json; charset...	0.046	20.229	chrome.exe *64	www.google.com	142.250.196.68:443	SHARIFU...
17	48.795	0.384	POST	https://update.googleapis.com/service/upd...	200	application/json; charset...	1.318	7.866	chrome.exe *64	update.googleapis.com	142.250.195.67:443	SHARIFU...
103	103.051	0.769	POST	https://update.googleapis.com/service/upd...	200	application/json; charset...	11.626	18.162	chrome.exe *64	update.googleapis.com	142.250.195.67:443	SHARIFU...
3	0.008	0.201	GET	http://service.weather.microsoft.com/appex...	200	text/plain; charset=utf-8	0.000	16.291	explorer.exe *64	service.weather.microsoft.c...	23.57.232.151:80	SHARIFU...
21	49.218	0.255	GET	https://safebrowsing.googleapis.com/v4/ful...	200	application/x-protobuf	0.056	5.381	chrome.exe *64	safebrowsing.googleapis.co...	142.250.195.74:443	SHARIFU...
12	45.449	0.747	POST	https://safebrowsing.google.com/safebrows...	200	application/octet-stream	0.191	1.452	chrome.exe *64	safebrowsing.google.com	142.250.195.78:443	SHARIFU...

Outgoing requests Incoming requests

Request Details

Header	Value
[Request]	GET /appex/DesktopTile/LiveTileV2?city=Dhaka&latitude...
Cache-Control	no-cache
Host	service.weather.microsoft.com
User-Agent	Microsoft-WNS/6.3

Response Details

Header	Value
[Response]	HTTP/1.1 200 OK
Access-Control-Allow-Credentials	true
Access-Control-Allow-Headers	TicketType,RequestContinuationKey,AuthToken,Content-T...
Access-Control-Allow-Methods	PUT,PATCH,POST,GET,OPTIONS,DELETE
Access-Control-Allow-Origin	*.msn.com
Access-Control-Expose-Headers	TicketType,RequestContinuationKey,AuthToken,Content-T...
Connection	keep-alive
Content-Length	0
Content-Type	text/plain; charset=utf-8
Date	Thu, 05 Dec 2024 14:07:09 GMT

Header Content Raw URL Parameters

You can see GET, POST request here.

Here is the Request Details ( Header, Content, Row, Cookies data) and response Details:

Request Details

Header	Value
[Request]	POST /users/sharifultiitju/set_pinned_items HTTP/1.1
Accept	text/html,application/xhtml+xml,application/xml;q=0.9,im...
Accept-Encoding	gzip, deflate
Accept-Language	en-US,en;q=0.9
Cache-Control	max-age=0
Connection	keep-alive
Content-Length	438
Content-Type	application/x-www-form-urlencoded
Cookie	_octo=GH1.1.1261841322.1733333630; _device_id=a3374463...
Host	github.com

Response Details

```

1. HTTP/1.1 302 Found
2. Server: GitHub.com
3. Date: Thu, 05 Dec 2024 14:08:56 GMT
4. Content-Type: text/html; charset=utf-8
5. Vary: X-PJAX, X-PJAX-Container, Turbo-Visit, Turbo-Frame
6. Location: https://github.com/sharifultiitju
7. Cache-Control: no-cache
8. Set-Cookie: _gh_sess=FLSrQQt3dR5CW00f5S30j64c1j3M8UKFFfRP8zH44nKv2BPFuFE5NkJ2c...
9. Strict-Transport-Security: max-age=31536000; includeSubdomains; preload
10. X-Frame-Options: deny
11. X-Content-Type-Options: nosniff
12. X-XSS-Protection: 0
13. Referrer-Policy: origin-when-cross-origin, strict-origin-when-cross-origin

```

Header Content Raw Cookies FORM Data

https://github.com/users/sharifultiitju/set\_pinned\_items

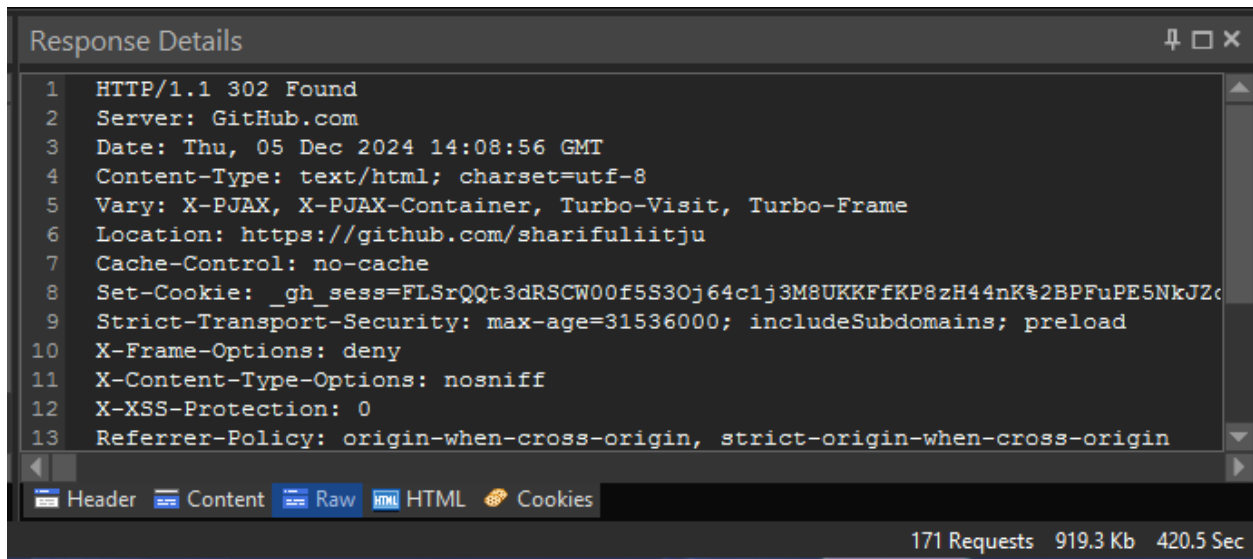
167 Requests 911.9 Kb 251.5 Sec

Request Details

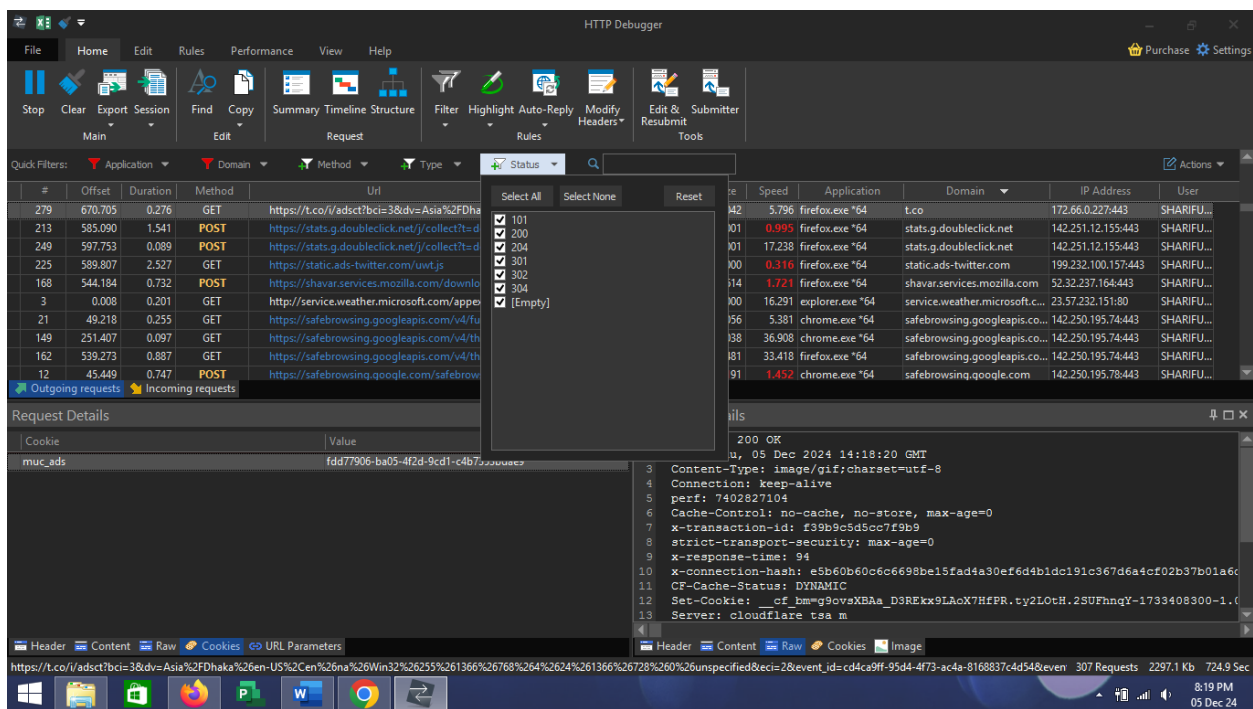
Cookie	Value
_octo	GH1.1.1261841322.1733333630
_device_id	a337d463e92f0214ef1639d925c92b47
saved_user_sessions	94281308%3Ajc5PvqrC_IMYropP-IRISG0bQhcbE9XqUpWN...
user_session	jc5PvqrC_IMYropP-IRISG0bQhcbE9XqUpWN0U8qBtxXN-UG
__Host-user_session_same_site	jc5PvqrC_IMYropP-IRISG0bQhcbE9XqUpWN0U8qBtxXN-UG
logged_in	yes
dotcom_user	sharifultiitju
color_mode	%7B%22color_mode%22%3A%22auto%22%2C%22light_th...
cpu_bucket	md
preferred_color_mode	light

Header Content Raw Cookies FORM Data

https://github.com/users/sharifultiitju/set\_pinned\_items



Here is the filter option for application, Domain, Method, Type:



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Quick Filters: Application Domain Method Type Status

#	Offset	Duration	Method	Url	Type	Status	Size	Speed	Application	Domain	IP Address	User
279	670.705	0.276	GET	https://t.co/v/adsc7bci=3&dv=Asia%2FDhaka%26en-US%2Cen%26na%26Win32%26255%261366%26768%264%2624%261366%26728%260%26unspecified&eci=2&event_id=c4ca9ff-95d4-4f73-ac4a-8168837c4d54&even	image/gif; charset=utf-8	200	0.042	5.796	firefox.exe *64	t.co	172.66.0.227	SHARIFU...
213	585.090	1.541	POST	https://stats.g.doubleclick.net	application/json	200	0.001	0.995	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155	SHARIFU...
249	597.753	0.089	POST	https://static.ads-twitter.com	application/octet-stream	200	0.001	17.238	firefox.exe *64	static.ads-twitter.com	142.251.12.155	SHARIFU...
225	589.807	2.527	GET	https://shavar.services.mozilla.com	application/javascript	200	0.000	0.316	firefox.exe *64	shavar.services.mozilla.com	199.232.100.157	SHARIFU...
168	544.184	0.732	POST	http://service.weather.microsoft.com	application/x-protobuf	200	0.614	1.721	firefox.exe *64	service.weather.microsoft.com	52.32.237.164	SHARIFU...
3	0.008	0.201	GET	https://safebrowsing.google.com	application/x-protobuf	200	0.000	16.291	explorer.exe *64	safebrowsing.google.com	23.57.232.151	SHARIFU...
21	49.218	0.255	GET	https://safebrowsing.google.com	application/x-protobuf	200	0.056	5.381	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
149	251.407	0.097	GET	https://safebrowsing.google.com	application/x-protobuf	200	2.038	36.908	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
162	539.273	0.887	GET	https://safebrowsing.google.com	application/x-protobuf	200	28.481	33.418	firefox.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
12	45.449	0.747	POST	https://safebrowsing.google.com	application/x-protobuf	200	0.191	1.452	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...

Request Details

Cookie: muc\_ads= fdd77906-ba0e-42e5-9c74-91330b0e39

Response Details

1. HTTP/1.1 200 OK  
2. Date: Thu, 05 Dec 2024 14:18:20 GMT  
3. Content-Type: image/gif; charset=utf-8  
4. Connection: keep-alive  
5. perf: 7402827104  
6. Cache-Control: no-cache, no-store, max-age=0  
7. x-transaction-id: f39b9c5d5cc7f9b9  
8. strict-transport-security: max-age=0  
9. x-response-time: 94  
10. x-connection-hash: e5b60b60c6c6698be15fad4a30ef6d4b1dc191c367d6a4cf02b37b01a6c  
11. CF-Cache-Status: DYNAMIC  
12. Set-Cookie: \_cf\_bm=g9ovsXBaa\_D3REkx9LaoX7HfPR.ty2Loth.2SUFhnqY-1733408300-1.0  
13. Server: cloudflare tsa m

Header Content Raw Cookies URL Parameters

https://t.co/v/adsc7bci=3&dv=Asia%2FDhaka%26en-US%2Cen%26na%26Win32%26255%261366%26768%264%2624%261366%26728%260%26unspecified&eci=2&event\_id=c4ca9ff-95d4-4f73-ac4a-8168837c4d54&even 307 Requests 2297.1 Kb 724.9 Sec

8:19 PM 05 Dec 24

HTTP Debugger

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Quick Filters: Application Domain Method Type Status

#	Offset	Duration	Method	Url	Type	Status	Size	Speed	Application	Domain	IP Address	User
279	670.705	0.276	GET	https://t.co/v/adsc7bci=3&dv=Asia%2FDhaka%26en-US%2Cen%26na%26Win32%26255%261366%26768%264%2624%261366%26728%260%26unspecified&eci=2&event_id=c4ca9ff-95d4-4f73-ac4a-8168837c4d54&even	image/gif; charset=utf-8	200	0.042	5.796	firefox.exe *64	t.co	172.66.0.227	SHARIFU...
213	585.090	1.541	POST	https://stats.g.doubleclick.net	application/json	200	0.001	0.995	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155	SHARIFU...
249	597.753	0.089	POST	https://static.ads-twitter.com	application/octet-stream	200	0.001	17.238	firefox.exe *64	static.ads-twitter.com	142.251.12.155	SHARIFU...
225	589.807	2.527	GET	https://shavar.services.mozilla.com	application/javascript	200	0.000	0.316	firefox.exe *64	shavar.services.mozilla.com	199.232.100.157	SHARIFU...
168	544.184	0.732	POST	http://service.weather.microsoft.com	application/x-protobuf	200	0.614	1.721	firefox.exe *64	service.weather.microsoft.com	52.32.237.164	SHARIFU...
3	0.008	0.201	GET	https://safebrowsing.google.com	application/x-protobuf	200	0.000	16.291	explorer.exe *64	safebrowsing.google.com	23.57.232.151	SHARIFU...
21	49.218	0.255	GET	https://safebrowsing.google.com	application/x-protobuf	200	0.056	5.381	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
149	251.407	0.097	GET	https://safebrowsing.google.com	application/x-protobuf	200	2.038	36.908	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
162	539.273	0.887	GET	https://safebrowsing.google.com	application/x-protobuf	200	28.481	33.418	firefox.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...
12	45.449	0.747	POST	https://safebrowsing.google.com	application/x-protobuf	200	0.191	1.452	chrome.exe *64	safebrowsing.google.com	142.250.195.74	SHARIFU...

Request Details

Cookie: muc\_ads= fdd77906-ba0e-42e5-9c74-91330b0e39

Response Details

1. HTTP/1.1 200 OK  
2. Date: Thu, 05 Dec 2024 14:18:20 GMT  
3. Content-Type: image/gif; charset=utf-8  
4. Connection: keep-alive  
5. perf: 7402827104  
6. Cache-Control: no-cache, no-store, max-age=0  
7. x-transaction-id: f39b9c5d5cc7f9b9  
8. strict-transport-security: max-age=0  
9. x-response-time: 94  
10. x-connection-hash: e5b60b60c6c6698be15fad4a30ef6d4b1dc191c367d6a4cf02b37b01a6c  
11. CF-Cache-Status: DYNAMIC  
12. Set-Cookie: \_cf\_bm=g9ovsXBaa\_D3REkx9LaoX7HfPR.ty2Loth.2SUFhnqY-1733408300-1.0  
13. Server: cloudflare tsa m

Header Content Raw Cookies URL Parameters

https://t.co/v/adsc7bci=3&dv=Asia%2FDhaka%26en-US%2Cen%26na%26Win32%26255%261366%26768%264%2624%261366%26728%260%26unspecified&eci=2&event\_id=c4ca9ff-95d4-4f73-ac4a-8168837c4d54&even 307 Requests 2297.1 Kb 724.9 Sec

8:19 PM 05 Dec 24

HTTP Debugger

File Home Edit Rules Performance View Help

Stop Clear Export Session Find Copy Summary Timeline Structure Filter Highlight Auto-Reply Modify Headers Edit & Resubmit Submitter Tools

Quick Filters: Application Domain Method Type Status

Select All Select None Reset

#	Offset	Duration	Status	Type	Size	Speed	Application	Domain	IP Address	User
279	670.705	0.276	200	image/gif; charset=utf-8	0.042	5.796	firefox.exe *64	t.co	172.66.0.227:443	SHARIFU...
213	585.090	1.541	200	text/plain	0.001	0.995	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155:443	SHARIFU...
249	597.753	0.089	200	text/plain	0.001	17.238	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155:443	SHARIFU...
225	589.807	2.527	304	text/plain	0.000	0.316	firefox.exe *64	static.ads-twitter.com	199.232.100.157:443	SHARIFU...
168	544.184	0.732	200	application/octet-stream	0.614	1.721	firefox.exe *64	shavar.services.mozilla.com	52.32.237.164:443	SHARIFU...
3	0.008	0.201	200	text/plain; charset=utf-8	0.000	16.291	explorer.exe *64	service.weather.microsoft.com	23.57.232.151:80	SHARIFU...
21	49.218	0.255	200	application/x-protobuf	0.056	5.381	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
149	251.407	0.097	200	application/x-protobuf	2.038	36.908	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
162	539.273	0.887	200	application/x-protobuf	28.481	33.418	firefox.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
12	45.449	0.747	200	application/octet-stream	0.191	1.452	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.78:443	SHARIFU...

Request Details

Cookie

Response Details

1. HTTP/1.1 200 OK

2. Date: Thu, 05 Dec 2024 14:18:20 GMT

3. Content-Type: image/gif; charset=utf-8

4. Connection: keep-alive

5. perf: 7402827104

6. Cache-Control: no-cache, no-store, max-age=0

7. x-transaction-id: f39b9c5d5cc7f9b9

8. strict-transport-security: max-age=0

9. x-response-time: 94

10. x-connection-hash: e5b60b60c6c6698be15fad4a30ef6d4b1dc191c367d6a4cf02b37b01a6c

11. CF-Cache-Status: DYNAMIC

12. Set-Cookie: \_cf\_bm=g9ovsXBAA\_D3REKx9LaoX7HfPR.ty2Loth.2SUFhnqY-1733408300-1.0

13. Server: cloudflare tsa m

HTTP Debugger

File Home Edit Rules Performance View Help

Stop Clear Export Session Find Copy Summary Timeline Structure Filter Highlight Auto-Reply Modify Headers Edit & Resubmit Submitter Tools

Quick Filters: Application Domain Method Type Status

Select All Select None Reset

#	Offset	Duration	Status	Type	Size	Speed	Application	Domain	IP Address	User
279	670.705	0.276	200	image/gif; charset=utf-8	0.042	5.796	firefox.exe *64	t.co	172.66.0.227:443	SHARIFU...
213	585.090	1.541	200	text/plain	0.001	0.995	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155:443	SHARIFU...
249	597.753	0.089	200	text/plain	0.001	17.238	firefox.exe *64	stats.g.doubleclick.net	142.251.12.155:443	SHARIFU...
225	589.807	2.527	304	text/plain	0.000	0.316	firefox.exe *64	static.ads-twitter.com	199.232.100.157:443	SHARIFU...
168	544.184	0.732	200	application/octet-stream	0.614	1.721	firefox.exe *64	shavar.services.mozilla.com	52.32.237.164:443	SHARIFU...
3	0.008	0.201	200	text/plain; charset=utf-8	0.000	16.291	explorer.exe *64	service.weather.microsoft.com	23.57.232.151:80	SHARIFU...
21	49.218	0.255	200	application/x-protobuf	0.056	5.381	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
149	251.407	0.097	200	application/x-protobuf	2.038	36.908	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
162	539.273	0.887	200	application/x-protobuf	28.481	33.418	firefox.exe *64	safebrowsing.googleapis.com	142.250.195.74:443	SHARIFU...
12	45.449	0.747	200	application/octet-stream	0.191	1.452	chrome.exe *64	safebrowsing.googleapis.com	142.250.195.78:443	SHARIFU...

Request Details

Cookie

Response Details

1. HTTP/1.1 200 OK

2. Date: Thu, 05 Dec 2024 14:18:20 GMT

3. Content-Type: image/gif; charset=utf-8

4. Connection: keep-alive

5. perf: 7402827104

6. Cache-Control: no-cache, no-store, max-age=0

7. x-transaction-id: f39b9c5d5cc7f9b9

8. strict-transport-security: max-age=0

9. x-response-time: 94

10. x-connection-hash: e5b60b60c6c6698be15fad4a30ef6d4b1dc191c367d6a4cf02b37b01a6c

11. CF-Cache-Status: DYNAMIC

12. Set-Cookie: \_cf\_bm=g9ovsXBAA\_D3REKx9LaoX7HfPR.ty2Loth.2SUFhnqY-1733408300-1.0

13. Server: cloudflare tsa m

You can change the request:

Right Click and select Edit & Resubmit:

