How to use cURLsDownloader

Program and guide written by nosamu

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Introduction

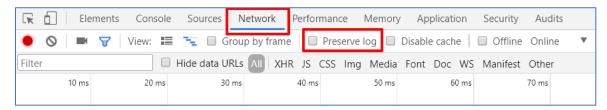
cURLsDownloader is a simple batch script designed to automate fetching resources from websites.

cURLsDownloader can save all URLs from a list. It supports the following list formats: plain list (1 URL per line), URLs enclosed in quotes, cURL commands, or output from the Firefox console.

This document explains the steps to use cURLsDownloader with Firefox or Chrome, and outlines some of the additional features supported.

Chrome

1. Press F12 to open the developer tools, and switch to the Network tab. If you plan to capture multiple pages, check the *Preserve log* box.



- 2. Use the browser normally to perform required network requests. The requests will be logged.
- 3. Right-click any entry in the Network tab. Choose Copy -> Copy all as cURL (cmd)

| Name | | Status | Туре | | Initiator | Size |
|--|--|-----------------------|------|--------------|--|------|
| gws_rd=ssl | | | | | Other | |
| world-cup-2018-day-25-5662299103690752-s.pr | | Open in Sources panel | | | /?gws rd=ssl:55 | (fro |
| e world-cup-2018-day-25-5662299103690752.2-la | Open in new tab | | | | /?gws rd=ssl:55 | (fro |
| soccer-ball-26bd.png | Clear browser cache | | | | /?gws rd=ssl:55 | (fro |
| KFOmCnqEu92Fr1Mu4mxK.woff2 | | | | | <u>?gws rd=ssl:53</u> | (fro |
| KFOICnqEu92Fr1MmWUIfBBc4.woff2 | Clear browser cookies | | | | ?gws rd=ssl:53 | (fro |
| data:image/png;base | Сору | | | ► Co | opy link address | (fro |
| i2_2ec824b0.png | | | 6 | opy response | (fro | |
| 21 requests 68.8 KB transferred Finish: 2.85 s [| Block request URL Block request domain Save as HAR with content Save as | | | | ppy as PowerShell | |
| Highlights from the Chrome 65 updat | | | | Co | opy as cURL (cmd) opy as cURL (bash) opy all as PowerShell | |
| Local overrides | Fullscre | | F11 | | ppy all as cURL (cmd) | |
| Override network requests and serve local reso | II CES III Ste | Instead. | | Co | opy all as cURL (bash) | |
| Changes tab Track changes that you make locally in DevTools | hanges tab. | ges tab. | | | | |

4. Paste the entries into a new text file and save the file.

| File Edit Format View Help curl "https://www.google.com/?gws_rd=ssl" -H "dnt: 1" -H "accept-encoding: gzip, def curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-56622991036907 curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-56622991036907 curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-56622991036907 curl "https://fonts.gstatic.com/s/roboto/v18/KFOMCnqEU92Fr1Mu4mxK.woff2"compressed & curl "https://fonts.gstatic.com/s/roboto/v18/KFOICnqEU92Fr1Mu4mxK.woff2"compressed curl "https://sl.gstatic.com/s/roboto/v18/KFOICnqEU92Fr1Mu4mxK.woff2"compressed curl "https://www.google.com/gen_204?s=webaft^&tatyp=csi^&ei=y8VKW8SNF072swXs_ curl "https://www.google.com/gen_204?s=webaft^&tatyp=csi^&ei=y8VKW8SNF072swXs_ curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.c6Xf7u92m7I.0/m=sx,sb,cdos,elog, curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.ofCXf7u92m7I.0/m=sx,sb,cdos,elog, curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.ofCXf7u92m7I.0/m=fef/exm=in curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.ofCXf7u92m7I.0/m=fef/exm=in curl "https://www.google.com/zjs/_js/k=ng.og2.en_US.9tzc83mZlNI.0/rt=j/m=def/exm=in curl "https://www.google.com/zjs/_js/k=xjs.s.en_US.toKSoeFEsH4.0/am=IIuwH_8Ayf8vDCg curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNF072swXs_IGODQ^&s=webhp&t curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNF072swXs_IGODQ^&se=webhp&t curl "https://www.google.com/zsc/js/k=og.og2.en_US.9tzc8Jm2INI.0/rt=j/m=def/exm=in curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNF072swXs_IGODQ^&se=webhp&t curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNF072swXs_IGODQ^&se=webhp&t curl "https://www.google.com/gen_204?atyp=csi_&ei=y8VKW8SNF072swXs_IGODQ^&se=webhp&t curl "https://www.google.com/gen_204?atyp=csi_&ei=y8VKW8SNF072swXs_IGODQ^&se=webhp&t curl "https:/ | Untitled - Notepad — | | × |
|---|--|--|---|
| <pre>curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-56622991036907 curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-56622991036907 curl "https://fonts.gstatic.com/s/roboto/v18/KFO0CnqEu92Fr1MuAmxK.woff2"compresse curl "https://fonts.gstatic.com/s/roboto/v18/KFO0CnqEu92Fr1MuAmXK.woff2"compresse curl "https://si.gstatic.com/s/roboto/v18/KFO0CnqEu92Fr1MuAmXK.woff2"compresse curl "https://si.gstatic.com/gb/images/i2_2ec824b0.png"compressed & curl "https://si.gstatic.com/gb/images/i2_2ec824b0.png"compressed & curl "https://www.google.com/gen_204?s=webaft^&t=aft^&atyp=csi^&ei=y8VKW8SNFo72swXs_ curl "https://www.google.com/images/nav_log0242.png" -H "Referer: https://www.google curl "https://www.google.com/images/branding/product/ico/googleg_lodp.ico" -H "pragm curl "https://www.google.com/js/_js/k=xjs.s.en_US.C6Xf7U92m7I.0/m=sx,sb,cdos,elog, curl "https://www.google.com/images/branding/product/ico/googleg_lodp.ico" -H "pragm curl "https://www.google.com/images/branding/product/ico/googleg_lodp.ico" -H "pragm curl "https://www.google.com/textinputassistant/tia.png"compressed & curl "https://www.google.com/textinputassistant/tia.png"compressed & curl "https://www.google.com/textinputassistant/tia.png"compressed & curl "data:image/png;bask64,iVBORw0KGgoAAAANSUhEUgAADAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre> | File Edit Format View Help | | |
| <pre>ressed & curl "data:image/gif;base64,R0lGODlhAQABAID/AMDAwAAAACH5BAEAAAAALAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</pre> | <pre>curl "https://www.google.com/?gws_rd=ssl" -H "dnt: 1" -H "accept-encoding curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-566 curl "https://www.google.com/logos/doodles/2018/world-cup-2018-day-25-566 curl "https://www.google.com/images/hpp/soccer-ball-26bd.png"compresse curl "https://fonts.gstatic.com/s/roboto/v18/KFODCnqEu92Fr1Mu4MxK.woff2" curl "https://fonts.gstatic.com/s/roboto/v18/KFOlCnqEu92Fr1Mu4MxK.woff2" curl "https://fonts.gstatic.com/s/roboto/v18/KFOlCnqEu92Fr1Mu4MxK.woff2" curl "https://sl.gstatic.com/gb/images/i2_2ec824b0.png"compressed & curl "https://www.google.com/gen_204?s=webaft^&t=aft^&atyp=csi^&ei=y8VKW8 curl "https://www.google.com/images/nav_log0242.png" -H "Referer: https:/ curl "https://www.google.com/images/pranduct/ico/googleg_lodp.ico curl "https://www.google.com/js/_js/k=xjs.s.en_US.exf7u9zm7I.0/m=sx,sb curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.exf7u9zm7I.0/m=sx,sb curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.exf5u9zm7I.0/m=sx,sb curl "https://www.google.com/xjs/_js/k=xjs.s.en_US.exf5u9zm7I.0/m=sx</pre> | 22991036 22991036 d & compre f2"ca AAAoklEQ SNF072sw /www.goo ,cdos,el ' -H "pr =def/exm H_8Ayf8v | 9907 9907 esse ompr yVR4 VXS_ ogle og, agm =in vDCg |
| <pre>curl "data:image/gif;base64,R0lGODlhAQABAID/AMDAwAAAACH5BAEAAAAALAAAAABAAEAAAICRAEA curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNFo72swXs_IGoDQ^&s=webhp^&t curl "https://apis.google.com/_/scs/abc-static/_/js/k=gapi.gapi.en.yK0Z3MKtgaU.O/m=g curl "https://adservice.google.com/adsid/google/ui" -H "Referer: https://www.google. curl "https://www.google.com/gen_204?atyp=i^&ct=webfont_timing^&cad=^@2sec,1.s.261,1 curl "https://www.gstatic.com/og/_/ss/k=g.og210dzmvwio4jzx.L.W.O/m=lg/excm=in,fot</pre> | | ACrElEQ | VR4 |
| | <pre>curl "data:image/gif;base64,R0lGODlhAQABAID/AMDAwAAAACH5BAEAAAAALAAAAAABA curl "https://www.google.com/gen_204?atyp=csi^&ei=y8VKW8SNF072swXs_IGoDQ^ curl "https://apis.google.com/_scs/abc-static/_js/k=gapi.gapi.en.yK0Z3M curl "https://adservice.google.com/adsid/google/ui" -H "Referer: https:// curl "https://www.google.com/gen_204?atyp=i^&ct=webfont_timing^&cad=^@2se curl "https://www.gstatic.com/og/_/ss/k=og.og2.en_US.9tzc8JmZlNI.0/rt=j/m curl "https://www.gstatic.com/og/_js/k=og.og2.en_US.9tzc8JmZlNI.0/rt=j/m</pre> | &s=webhp <tgau.o <br="">www.goog c,1.s.26 excm=in,</tgau.o> | 0^&t m=g gle. 01,1 fot n=in |

Firefox

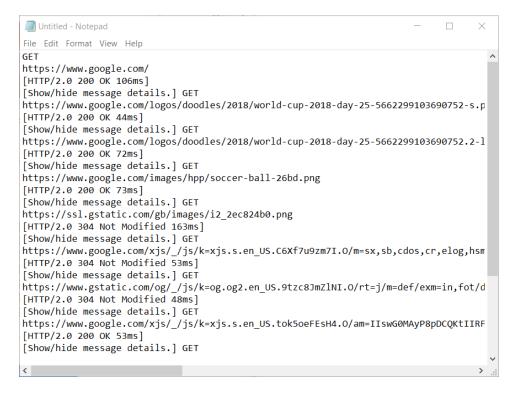
1. Press F12 to open the developer tools, and switch to the Console tab. Select the *Requests* and *XHR* output types, and deselect all others. If you plan to capture multiple pages, check the *Persist Logs* box.

| | D Inspector | Console | Debugger | { } Style Editor | • Performance | Memory | » | j |
|----------|---------------|----------------|-----------|-------------------------|---------------|--------|----------|--------------|
| Û | Filter output | | | | | | | Persist Logs |
| Error | s Warnings Lo | ogs Info Debug | g CSS XHR | Requests | | | | |
| » | | | | | | | | |

- 2. Use the browser normally to perform required network requests. The requests will be logged.
- 3. Click and drag to select all desired network requests. Then press Ctrl-C to copy them.

| R | D Inspector | Console | Debugger | { } Style Editor | Performance | D: Memory | » | <u>.</u> |
|-------|-----------------|----------------|------------------|------------------------------|----------------------------------|-----------------------------|----------------|---------------|
| Û | Filter output | | | | | | | Persist Logs |
| | | | | | | 2 items hid | lden by filter | Reset filters |
| Error | s Warnings (2) | Logs Info De | ebug CSS XH | R Requests | | | | |
| | GET https://www | w.google.com/ | | | | [H] | TTP/2.0 20 | 00 OK 355ms] |
| | GET https://www | w.google.com/l | .ogos/doodles/20 |)19/celebrating-t | he-jingle-dress-d | ance-6253 <mark></mark> [H | TTP/2.0 20 | 00 OK 288ms] |
| | GET https://ss | l.gstatic.com/ | gb/images/i2_2e | c824b0.png | | [H] | TTP/2.0 20 | 00 OK 240ms] |
| | GET https://www | w.google.com/i | mages/nav_logo2 | 99.png | | [H] | TTP/2.0 20 | 00 OK 180ms] |
| | GET https://www | w.google.com/> | js/_/js/k=xjs.s | en_US.VAtAHu0C8 | sU.O/m=Fkg7bd,HcF | EGb,IvlUe <mark>…</mark> [H | TTP/2.0 20 | 00 OK 264ms] |
| | GET https://www | w.gstatic.com/ | og/_/js/k=og.og | <pre>g2.en_US.wITv9SBW</pre> | /bhw.O/rt=j/m=def <mark>…</mark> | [HTTP/2.0 30 | 04 Not Mod | ified 305ms] |
| | GET https://www | w.google.com/f | avicon.ico | | | | | |
| | GET https://www | w.google.com/> | js/_/js/k=xjs.s | en_US.VAtAHu0C8 | sU.O/am=AABgEZi7A | SD_RwEAdQE <mark></mark> [H | HTTP/2.0 | 200 OK 88ms] |
| | GET https://ap | is.google.com/ | _/scs/abc-stati | .c/_/js/k=gapi.ga | api.en.6Hr6HfhQmk <mark>…</mark> | [HTTP/2.0 30 | 04 Not Mod | ified 181ms] |

4. Paste the entries into a new text file and save the file.



Using cURLsDownloader

Now that you have your text file, you may use cURLsDownloader in any of these ways:

- Drag your text file onto cURLsDownload.bat.
- Put your text file in the same folder as cURLsDownload.bat. Launch the .bat and input the filename of your text file.
- Name your text file *URLs.txt* and put it in the same folder as cURLsDownload.bat. Launch the .bat and press *Enter* at the prompt.
- Launch cURLsDownload.bat, then input the full path to your text file, including the filename.

Single URL Mode

To use cURLsDownloader in *single URL mode*, provide it with a URL instead of the filename of a text file. cURLsDownloader provides 2 actions:

- Grab page or file: Downloads a single file. If this file is an HTML page, it also attempts to download the resources required to properly display the page.
- Mirror website: Automatically mirrors the website by following all links and downloading everything it encounters. Links to other domains or parent directories on the site are excluded.

Check-Only Mode

cURLsDownloader automatically checks for several errors after finishing a job. If cURLsDownloader is not provided with a valid file or URL, it will skip straight to the error-checking step. Press Enter to check for the following issues:

- Broken filenames: cURLsDownloader will offer to remove URL parameters from filenames. For example, it can rename "index.html@id=example" to "index.html".
- Wayback Machine split resources: cURLsDownloader will offer to move files from web.archive.org to their original domains.

Customizing cURLsDownloader

Customizing cURLsDownloader is easy; just open cURLsDownload.bat in any text editor.

```
@ECHO OFF
REM External tools used: Wget for Windows, Bulk Rename Command
REM Wget binary downloaded from: https://eternallybored.org/misc/wget/
REM Bulk Rename Command official site: bulkrenameutility.co.uk
SETLOCAL
SET INPUT=%~1
:START
REM cURLsDownloader Settings - you're free to change these!
SET WGET_OPTIONS=-x --no-check-certificate -t 3 -e robots=off --compression=auto --
referer=URL |--append-output="..\Logs\wget.log"
SET GRAB_OPTIONS=-- page-requisites
SET MIR_OPTIONS=-m -np
SET /A AUTOCLOSE_SECS=-1
```

- WGET_OPTIONS: Specifies the default file download options. Refer to the Wget manual for more information.
- GRAB_OPTIONS: Specifies additional options for single URL mode.
- MIR_OPTIONS: Specifies additional options for website mirroring.
- AUTOCLOSE_SECS: Specifies that cURLsDownloader should automatically close, this number of seconds after finishing a job.