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Google Search, Google Site Search, Google News from the terminal

595 commits

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7 contributors

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Latest commit a52da0b 6 days ago

.github	Add an example of locale related issue.	2 months ago
auto-completion	Add --enable-browser-output to completion definitions	19 days ago
devbin	Add devbin with the first dev script parse	3 months ago
tests	tests/test: Add default values for NUM_TEST_ITERATIONS and SLEEP_DURA...	20 days ago
tools	Minor changes.	3 months ago
.gitignore	Add helper script tools/makedeb	5 months ago
.travis.yml	.travis.yml: Update the build to deploy from	4 months ago
CHANGELOG	Prepare for v2.7 release.	18 days ago
LICENSE	A more explicit name for file with License terms.	7 months ago
Makefile	Makefile: disable-self-upgrade: Use -i.bak instead of -i for sed	18 days ago
README.md	Update README.md	5 hours ago
googler	Prepare for v2.7 release.	18 days ago
googler.1	Prepare for v2.7 release.	18 days ago

README.md

googler

releasev2.7

AURv2.7-0

homebrewv2.7

licenseGPLv3

buildpassing

```

googler --count 3 --exact googler

1 Urban Dictionary: Googler
http://www.urbandictionary.com/define.php?term=Googler
Googler. An employee working at Google. Employee benefits include free massages, gourmet food, no
set working hours, constant talks from presidential ...

2 Googler - Wiktionary
https://en.wiktionary.org/wiki/Googler
Noun[edit]. Googler (plural Googlers). A full-time Google corporation employee. A regular or
habitual user of the Google search engine.

3 GitHub - jarun/googler: Google Search, Google Site Search, Google ...
https://github.com/jarun/googler
googler is a power tool to Google (Web & News) and Google Site Search from the command-line. It
shows the title, URL and abstract for each result, which can ...

googler (? for help) ?

omniprompt keys:
n, p      fetch the next or previous set of search results
index    open the result corresponding to index in browser
f        jump to the first page
o        open the current search result in browser
g keywords initiate a new Google search for 'keywords' with original options
q, ^D, double Enter exit googler
?        show omniprompt help
*        any other string initiates a new search with original options

googler (? for help) 3
googler (? for help) n

1 Hello, Googler - Google Careers
https://www.google.com/intl/en/about/careers/lifeatgoogle/hello-googler.html
Hello, Googler. ELLE Magazine takes a look at what it's like to work for Google China, calling out
that Google's creative and inclusive work environment is built ...

2 Googler dictionary definition | Googler defined
http://www.yourdictionary.com/googler
(1) A person who is an employee of Google. See Xogler. (2) A person who uses Google to search the
Internet. See Google. Computer Desktop Encyclopedia ...

3 How To Brainstorm Like A Googler | Fast Company | Business + ...
https://www.fastcompany.com/3061059/your-most-productive-self/how-to-brainstorm-like-a-googler
Just about everyone can learn to brainstorm better. ... That's why we've created a linear process
for brainstorming new ideas and turning them into actual products: ... As Frederik Pferdt, Google's
head of innovation and creativity, likes to say, "Just beyond crazy is fabulous!"

googler (? for help)

```

`googler` is a power tool to Google (Web & News) and Google Site Search from the command-line. It shows the title, URL and abstract for each result, which can be directly opened in a browser from the terminal. Results are fetched in pages (with page navigation). Supports sequential searches in a single `googler` instance.

`googler` was initially written to cater to headless servers without X. You can integrate it with a text-based browser. However, it has grown into a very handy and flexible utility that delivers much more. For example, fetch any number of results or start anywhere, limit search by any duration, define aliases to google search any number of websites, switch domains easily... all of this in a very clean interface without ads or stray URLs. The shell completion scripts make sure you don't need to remember any options.

`googler` isn't affiliated to Google in any way.

paypal donate  chat on gitter

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## Features

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- Google Search, Google Site Search, Google News
- Fast and clean (no ads, stray URLs or clutter), custom color
- Open result URLs (or the actual search) in browser
- Navigate search result pages from omniprompt
- Fetch n results in a go, start at the n<sup>th</sup> result
- Disable automatic spelling correction and search exact keywords
- Limit search by duration, country/domain specific search (default: .com), language preference
- Supports Google search keywords like `filetype:mime` , `site:somesite.com` etc.
- Optionally open the first result directly in browser (as in *I'm Feeling Lucky*)
- Non-stop searches: fire new searches at omniprompt without exiting
- HTTPS proxy support
- Man page with examples, shell completion scripts for Bash, Zsh and Fish
- Minimal dependencies

## Installation

---

`googler` requires Python 3.3 or later. Only the latest patch release of each minor version is supported.

### Installing from this repository

To download this repository, you may either clone via git:

```
$ git clone https://github.com/jarun/googler/
```

or download a source code archive: [the latest stable release](#) or [the development version](#).

### Installing to default or custom location

To install to the default location ( `/usr/local` ):

```
$ sudo make install
```

To remove `googler` and associated docs, run

```
$ sudo make uninstall
```

`PREFIX` is supported, in case you want to install to a different location.

### Running as a standalone utility

`googler` is a standalone executable. From the containing directory:

```
$ ./googler
```

## Shell completion

Shell completion scripts for Bash, Fish and Zsh can be found in respective subdirectories of [auto-completion/](#). Please refer to your shell's manual for installation instructions.

## Installing with a package manager

`googler` is also available on

- [AUR](#) for Arch Linux
- [Fossies](#)
- [Homebrew](#) for OS X / macOS
- [Debian Sid](#)

## Debian package

If you are on a Debian based system (including Ubuntu), visit [the latest stable release](#) and download the `.deb` package. To install, run

```
$ sudo dpkg -i googler-$version-all.deb
```

Please substitute `$version` with the appropriate package version.

## Tips for packagers

`googler v2.7` and later ships with an in-place self-upgrade mechanism which you may want to disable. To do this, run

```
$ make disable-self-upgrade
```

before installation.

## Downloading a single file

Googler is a single standalone script, so you could download just a single file if you'd like to.

To install the latest stable version, run

```
$ sudo curl -o /usr/local/bin/googler https://raw.githubusercontent.com/jarun/googler/v2.6/googler && su
```



You could then let googler upgrade itself by running

```
$ sudo googler -U
```

Similarly, if you want to install from git master, run

```
$ sudo curl -o /usr/local/bin/googler https://raw.githubusercontent.com/jarun/googler/master/googler &&
```



and upgrade by running

```
$ sudo googler -U --include-git
```

## Usage

### Cmdline options

```
usage: googler [-h] [-s N] [-n N] [-N] [-c TLD] [-l LANG] [-x] [-C]
               [--colors COLORS] [-j] [-t dN] [-w SITE] [-p PROXY] [--noua]
               [--json] [--enable-browser-output] [--np] [-d] [-U]
               [--include-git]
```

[KEYWORD [KEYWORD ...]]

Google from the command-line.

positional arguments:

KEYWORD search keywords

optional arguments:

-h, --help show this help message and exit  
 -s N, --start N start at the Nth result  
 -n N, --count N show N results (default 10)  
 -N, --news show results from news section  
 -c TLD, --tld TLD country-specific search with top-level domain .TLD, e.g., 'in' for India. Ref: [https://en.wikipedia.org/wiki/List\\_of\\_Google\\_domains](https://en.wikipedia.org/wiki/List_of_Google_domains)  
 -l LANG, --lang LANG display in language LANG  
 -x, --exact disable automatic spelling correction  
 -C, --nocolor disable color output  
 --colors COLORS set output colors (see man page for details)  
 -j, --first, --lucky open the first result in a web browser; implies --noprompt  
 -t dN, --time dN time limit search [h5 (5 hrs), d5 (5 days), w5 (5 weeks), m5 (5 months), y5 (5 years)]  
 -w SITE, --site SITE search a site using Google  
 -p PROXY, --proxy PROXY tunnel traffic through an HTTPS proxy (HOST:PORT)  
 --noua disable user agent  
 --json output in JSON format; implies --noprompt  
 --enable-browser-output do not suppress browser output (stdout and stderr)  
 --np, --noprompt perform search and exit, do not prompt for further interactions  
 -d, --debug enable debugging  
 -U, --upgrade, --update perform in-place self-upgrade  
 --include-git when used in conjunction with --upgrade, upgrade to latest git master

omniprompt keys:

n, p fetch the next or previous set of search results  
 index open the result corresponding to index in browser  
 f jump to the first page  
 o open the current search in browser  
 g keywords initiate a new Google search for 'keywords' with original options  
 q, ^D, double Enter exit googler  
 ? show omniprompt help  
 \* any other string initiates a new search with original options

## Configuration file

googler doesn't have any! This is to retain the speed of the utility and avoid OS-specific differences. Users can enjoy the advantages of config files using aliases (with the exception of the color scheme, which can be additionally customized through an environment variable; see [Colors](#)). There's no need to memorize options.

For example, the following alias for bash/zsh/ksh/etc.

```
alias g='googler -n 7 -c ru -l ru'
```

fetches 7 results from the Google Russia server, with preference towards results in Russian.

The alias serves both the purposes of using config files:

- Persistent settings: when the user invokes `g`, it expands to the preferred settings.
- Override settings: thanks to the way Python `argparse` works, `googler` is written so that the settings in alias are completely overridden by any options passed from cli. So when the same user runs `g -l de -c de -n 12 hello world`, 12 results are returned from the Google Germany server, with preference towards results in German.

## Colors

googler allows you to customize the color scheme via a six-letter string, reminiscent of BSD `LSCOLORS`. The six letters represent the colors of

Letter	Color/Style
indices	
titles	
URLs	
metadata/publishing info (Google News only)	
abstracts	
prompts	

respectively. The six-letter string is passed in either as the argument to the `--colors` option, or as the value of the environment variable `GOOGLER_COLORS`.

We offer the following colors/styles:

Letter	Color/Style
a	black
b	red
c	green
d	yellow
e	blue
f	magenta
g	cyan
h	white
i	bright black
j	bright red
k	bright green
l	bright yellow
m	bright blue
n	bright magenta
o	bright cyan
p	bright white
A-H	bold version of the lowercase-letter color
I-P	bold version of the lowercase-letter bright color
x	normal
X	bold
y	reverse video
Y	bold reverse video

The default colors string is `GK1gxy`, which stands for

- bold bright cyan indices
- bold bright green titles
- bright yellow URLs
- cyan metadata/publishing info
- normal abstracts
- reverse video prompts

Note that

- Bright colors (implemented as `\x1b[90m - \x1b[97m`) may not be available in all color-capable terminal emulators;
- Some terminal emulators draw bold text in bright colors instead;

- Some terminal emulators only distinguish between bold and bright colors via a default-off switch.

Please consult the manual of your terminal emulator as well as the [Wikipedia article](#) on ANSI escape sequences.

## Examples

---

1. Google **hello world**:

```
$ googler hello world
```

2. Fetch **15 results** updated within last **14 months**, starting from the **3<sup>rd</sup> result** for the string **cmdline utility** in **site** tuxdiary.com:

```
$ googler -n 15 -s 3 -t m14 -w tuxdiary.com cmdline utility
```

3. Read recent **news** on gadgets:

```
$ googler -N gadgets
```

4. Fetch results on IPL cricket from **Google India** server in **English**:

```
$ googler -c in -l en IPL cricket
```

5. Search **quoted text**:

```
$ googler it\'s a \"beautiful world\" in spring
```

6. Search for a **specific file type**:

```
$ googler instrumental filetype:mp3
```

7. Disable **automatic spelling correction**, e.g. fetch results for `googler` instead of `google` :

```
$ googler -x googler
```

8. **I'm feeling lucky** search:

```
$ googler -j leather jackets
```

9. **Website specific** search:

```
$ googler -w tuxdiary.com hello world
```

Site specific search continues at omniprompt. Use the `g` key to run a regular Google search.

10. Alias to find **definitions of words**:

```
alias define='googler -n 2 define'
```

11. Look up `n`, `p`, `o`, `q`, `g` keywords or a result index at the **omniprompt**: As the omniprompt recognizes `n`, `p`, `o`, `q`, `g` or index strings as commands, you need to prefix them with `g`, e.g.,

```
g n
g g keywords
g 1
```

12. Input and output **redirection**:

```
$ googler -C hello world < input > output
```

Note that `-c` is required to avoid printing control characters (for colored output).

### 13. Pipe output:

```
$ googler -C hello world | tee output
```

### 14. Use a **custom color scheme**, e.g., a warm color scheme designed for Solarized Dark (screenshot):

```
$ googler --colors bjdxy google
$ GOOGLER_COLORS=bjdxy googler google
```

### 15. Tunnel traffic through an **HTTPS proxy**, e.g., a local Privoxy instance listening on port 8118:

```
$ googler --proxy localhost:8118 google
```

### 16. More **help**:

```
$ googler -h
$ man googler
```

## FAQ

---

### 1. How do I integrate `googler` with a text-based browser, e.g., `w3m` ?

Set the `BROWSER` environment variable, for instance,

```
$ export BROWSER=w3m
```

or for one-time use,

```
$ BROWSER=w3m googler query
```

Note that due to certain graphical browsers spewing messages to the console, `googler` suppresses browser output by default unless `BROWSER` is set to one of the known text-based browsers: currently `elinks`, `links`, `lynx` or `w3m`. If you use a different text-based browser, you will need to explicitly enable browser output with the `--enable-browser-output` option. In that case, please submit an issue or pull request if you believe your browser is popular enough, and we will consider whitelisting it. See the man page for more details about `--enable-browser-output`.

## Troubleshooting

---

1. In some instances `googler` may show fewer number of results than you expect, e.g., if you fetch a single result (`-n 1`) it may not show any results. The reason is Google shows some Google service (e.g. Youtube) results, map locations etc. depending on your geographical data, which `googler` tries to omit. In some cases Google (the web-service) doesn't show exactly 10 results (default) on a search. We chose to omit these results as far as possible. While this can be fixed, it would need more processing (and more time). You can just navigate forward to fetch the next set of results.

## Developers

---

1. Copyright (C) 2008 Henri Hakkinen
2. Copyright (C) 2015-2016 [Arun Prakash Jana](#)
3. [Zhiming Wang](#)

Special thanks to [jeremija](#), [shaggytwodope](#) and [Narrat](#) for their contributions and efforts in spreading `googler`.

## Notes

---



1. Initially I raised a pull request but I could see that the last change was made 7 years earlier. In addition, there is no GitHub activity from the original author [Henri Hakkinen](#) in past year. I have created this independent repo for the project with the name `googler`. I retained the original copyright information.
2. Google provides a search API which returns the results in JSON format. However, as per my understanding from the [official docs](#), the API issues the queries against an existing instance of a custom search engine and is limited by 100 search queries per day for free. In addition, I have reservations in paying if they ever change their plan or restrict the API in other ways. So I refrained from coupling with Google plans & policies or exposing my trackable personal custom search API key and identifier for the public. I retained the browser-way of doing it by fetching html, which is a open and free specification.
3. You can find a rofi script for `googler` [here](#). Written by an anonymous user, untested and we don't maintain it.

