Old Dominion University

CS 432 Web Science

Assignment One

Derek Goddeau

Professor

Michael L. Nelson

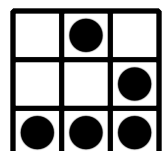January 22, 2017

1 POST to a from with `curl`

In order to submit `POST` data to a form using `curl` first it must be ensured that the form accepts `POST` data. This can be done by viewing the page source and verifying that the form tag has `method="post"` as in the nostarch.com search bar form tag shown somewhat abridged below.

```html
<form action="/" method="post" id="search-theme-form">
<input name="search_theme_form" value="" class="form-text"/>
<input name="op" value="Search" class="form-submit"/>
<input type="hidden" name="form_build_id" value="form-6Skwd"/>
<input type="hidden" name="form_id" value="search_theme_form"/>
</form>
```

In order to craft the `curl` command the `-d` flag can be used along with the `"name=value"` pattern for each input to the form where `name` is copied from each input tag and `value` is changed in the fields where the default values are not desired.

```
curl -L -i -o results.html \
        -d "search_theme_form=$1" \
        -d "op=Search" \
        -d "form_build_id=form-6SkwdjCka872mUDOLyJspWzIHtkBGso7f5RMZ2fGr9U" \
        -d "form_id=search_theme_form" \
        https://www.nostarch.com/
```

The command `curl_post.sh car` will return a page with the search results for "car" on nostarch.com. Inspecting the output `results.html` the `HTTP/1.1 200 OK` after a single redirect and lack of a 405 Method not allowed error means the request was successful.

HTTP/1.1 302 Moved Temporarily Date: Sun, 22 Jan 2017 05:25:38 GMT Content-Type: text/html; charset=utf-8 Transfer-Encoding: chunked Connection: keep-alive Set-Cookie: __cfduid=d12d05d49dd5a2620f839ba1f652b1b161485062738; expires=Mon, 22-Jan-18 05:25:38 GMT; path=/; domain=.nostarch.com; HttpOnly X-Powered-By: PHP/5.2.17 Expires: Sun, 19 Nov 1978 05:00:00 GMT Cache-Control: store, no-cache, must-revalidate, post-check=0, pre-check=0 Set-Cookie: SESS1ff143602f7518d305560cea1fca05f6=08c621a968633fd6cef8ace9d57d603b; expires=Tue, 14-Feb-2017 08:58:58 GMT; path=/; domain=.nostarch.com Last-Modified: Sun, 22 Jan 2017 05:25:38 GMT Location: https://www.nostarch.com/search/node/car Server: cloudflare-nginx CF-RAY: 32509624cee02432-IAD HTTP/1.1 200 OK Date: Sun, 22 Jan 2017 05:25:38 GMT Content-Type: text/html; charset=utf-8 Transfer-Encoding: chunked Connection: keep-alive Set-Cookie: __cfduid=d12d05d49dd5a2620f839ba1f652b1b161485062738; expires=Mon, 22-Jan-18 05:25:38 GMT; path=/; domain=.nostarch.com; HttpOnly X-Powered-By: PHP/5.2.17 Expires: Sun, 19 Nov 1978 05:00:00 GMT Cache-Control: must-revalidate Set-Cookie: SESS1ff143602f7518d305560cea1fca05f6=d9cc6715f497a720833d02b1f190a234; expires=Tue, 14-Feb-2017 08:58:58 GMT; path=/; domain=.nostarch.com Last-Modified: Sun, 22 Jan 2017 05:16:27 GMT Server: cloudflare-nginx CF-RAY: 325096263f802432-IAD

Home Search this site:

Search

- Catalog
- Media
- Write for Us
- About Us

Topics

- Art & Design
- General Interest
- Hacking & Computer Security
- Hardware / DIY
- Kids
- LEGO®
- LEGO® MINDSTORMS®
- Linux & BSD
- Manga
- Programming
- Python
- Science & Math
- System Administration

EARLY ACCESS

Free ebook edition with every print book purchased from nostarch.com!

Shopping cart

View your shopping cart.

User login

- Log in
- Create account

Search

Enter your keywords:

car

Search

Advanced search

Containing any of the words:

Containing the phrase:

Containing none of the words:

Catalog
Art, Photography, Design
Early Access
LEGO MINDSTORMS
Merchandise
Python
Business
For Kids
General Computing
Hardware and DIY

Only in the category(s):
Only of the type(s):
☐ Blog entry
☐ Newsletter issue
☐ Page
☐ Poll
☐ Product
☐ Product kit
☐ Story

Advanced search

Want sweet
Sign up for
newslett

Subscribe

Search results

Car Hacker's Handbook

... and OpenGarages.org. Craig is a frequent speaker on **car** hacking and has run workshops at RSA, DEF CON, and other major security ... needs more hackers, and the world definitely needs more **car** hackers. We're all safer when the systems we depend upon are inspectable, ...

2   A Python program that finds PDFs

The `Common House Spider` can take any number of URIs as input optionaly from a specified file with the `-f` flag. When searching multiple URIs in parallel it may be useful to use the `-t` flag to run it with multiple threads. It outputs all PDF files on the page and their size.