

# Uploading Your First Module to CPAN

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# Tonight's Goals

- Create a PAUSE account
- Create a basic module
- Set up a git repo
- Create a Github account
- Upload a module
- Send a pull request
- Merge a pull request

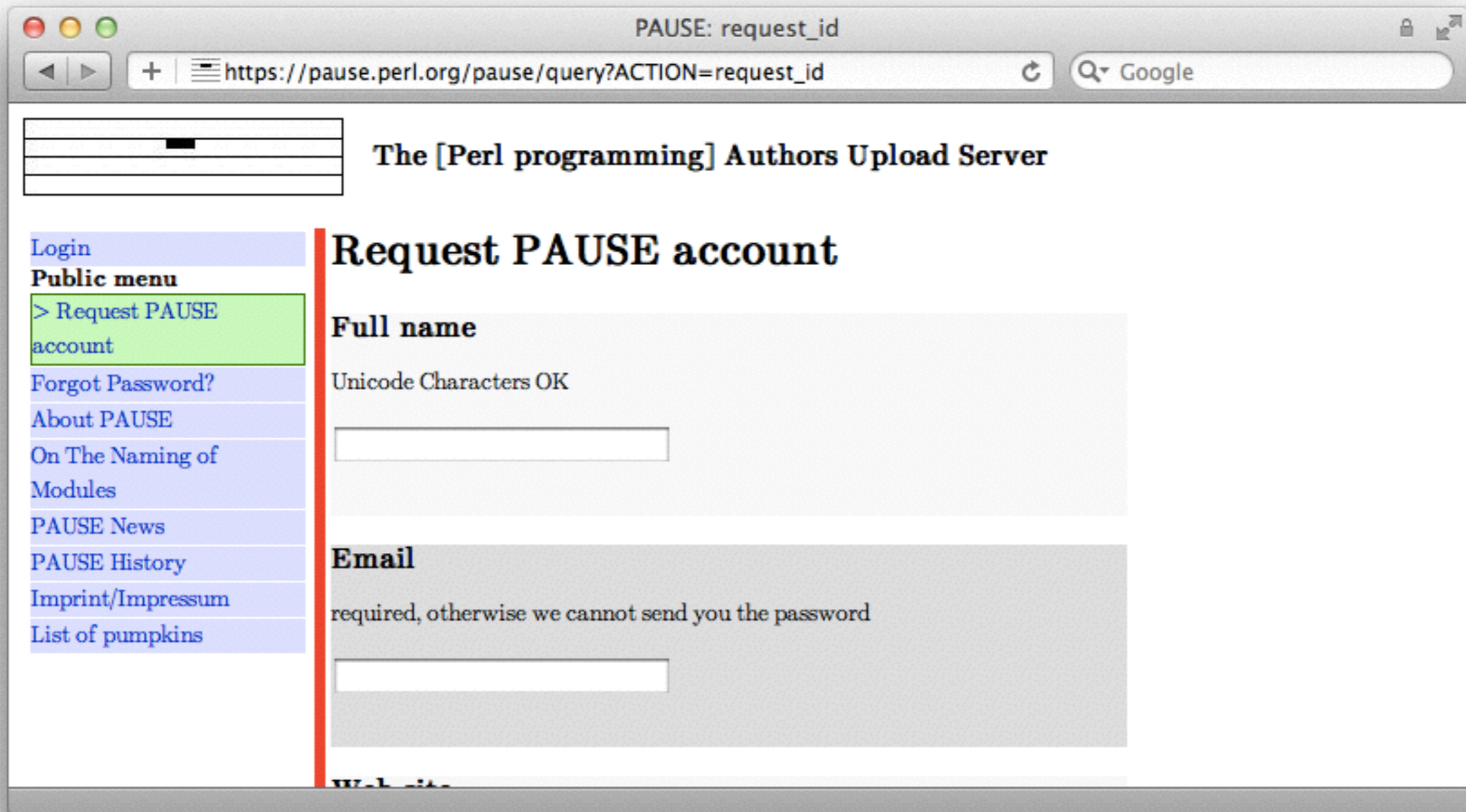
# PAUSE

- You upload through **PAUSE**  
*<http://pause.perl.org>*
- The **P**erl **A**uthors **U**pload **S**erver
- This is a stepping stone to CPAN

# Indexing

- PAUSE indexes and creates data files for the CPAN clients
- Only the latest distributions get into it
- People have permissions for namespaces

# Get a PAUSE Account



The screenshot shows a web browser window with the title "PAUSE: request\_id". The address bar contains the URL "https://pause.perl.org/pause/query?ACTION=request\_id". The page content includes a navigation menu on the left with "Request PAUSE account" highlighted. The main content area is titled "Request PAUSE account" and contains two form sections: "Full name" with a text input field and the note "Unicode Characters OK", and "Email" with a text input field and the note "required, otherwise we cannot send you the password".

PAUSE: request\_id

https://pause.perl.org/pause/query?ACTION=request\_id

Google

The [Perl programming] Authors Upload Server

Login

Public menu

> Request PAUSE account

Forgot Password?

About PAUSE

On The Naming of Modules

PAUSE News

PAUSE History

Imprint/Impressum

List of pumpkins

## Request PAUSE account

**Full name**

Unicode Characters OK

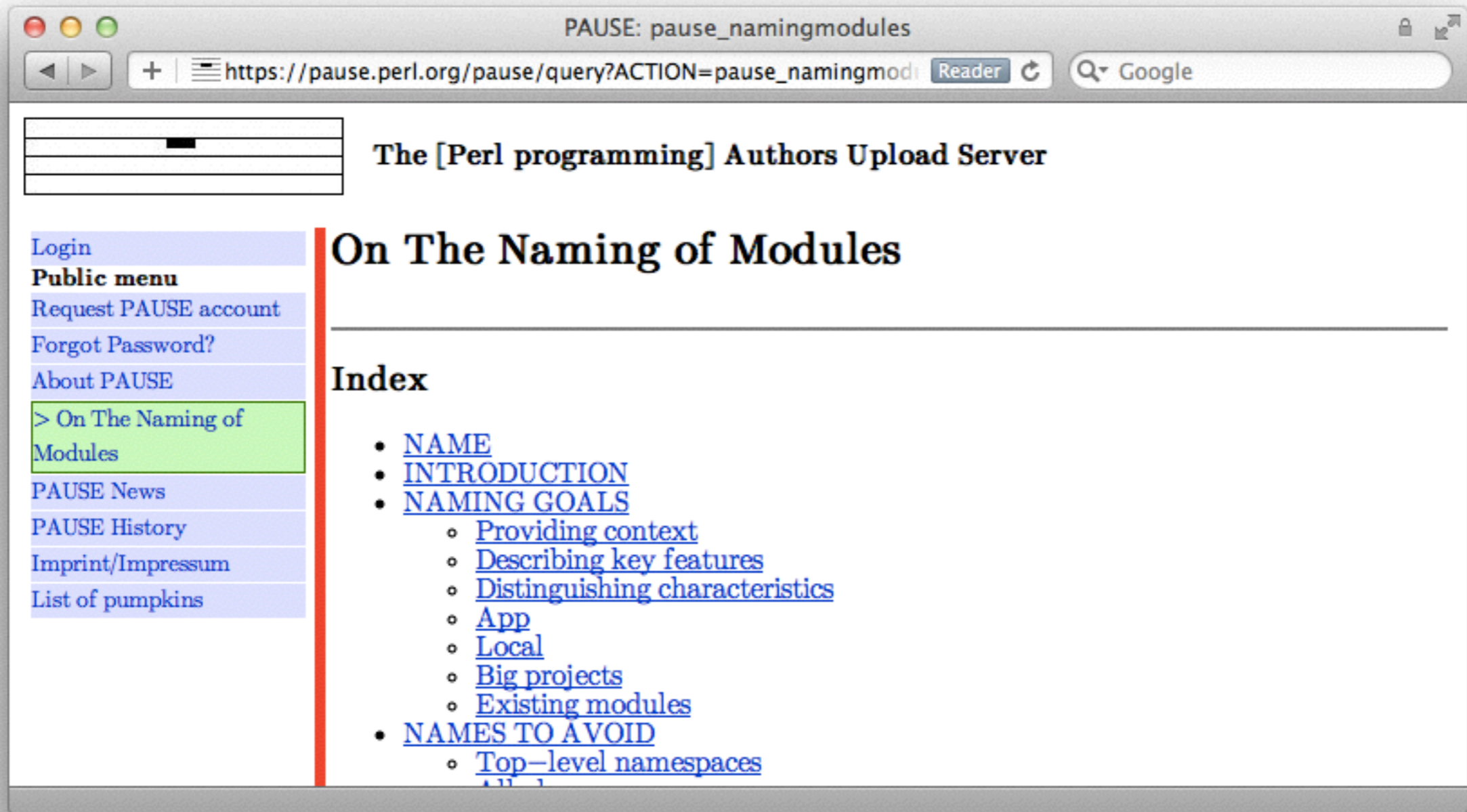
**Email**

required, otherwise we cannot send you the password

Website

[https://pause.perl.org/pause/query?ACTION=request\\_id](https://pause.perl.org/pause/query?ACTION=request_id)

# Choose a module name



The screenshot shows a web browser window with the title "PAUSE: pause\_namingmodules". The address bar contains the URL "https://pause.perl.org/pause/query?ACTION=pause\_namingmodules". The page content includes a navigation menu on the left with items like "Login", "Public menu", "Request PAUSE account", "Forgot Password?", "About PAUSE", "> On The Naming of Modules", "PAUSE News", "PAUSE History", "Imprint/Impressum", and "List of pumpkins". The main content area features the heading "On The Naming of Modules" and an "Index" section with a list of links: "NAME", "INTRODUCTION", "NAMING GOALS" (with sub-links: "Providing context", "Describing key features", "Distinguishing characteristics", "App", "Local", "Big projects", "Existing modules"), and "NAMES TO AVOID" (with sub-link: "Top-level namespaces").

[https://pause.perl.org/pause/query?  
ACTION=pause\\_namingmodules](https://pause.perl.org/pause/query?ACTION=pause_namingmodules)

Acme::MyFirstModule::PAUSEID

# Permissions

- You can upload a namespace someone else already uses
- But PAUSE will ignore it
- A good name goes a long way
- We have general advice on names

[https://pause.perl.org/pause/query?  
ACTION=pause\\_namingmodules](https://pause.perl.org/pause/query?ACTION=pause_namingmodules)



# Create the distro

- There are modules that can help you
  - Module::Starter
  - Distribution::Cooker
  - h2xs (comes with Perl)
  - many others

```
roscoe_brian[3009]$ module-starter --module=Acme::MyFirstModule::BDFOY --author='brian
foy' --email='bdfoy@cpan.org'
Created Acme-MyFirstModule-BDFOY
Created Acme-MyFirstModule-BDFOY/lib/Acme/MyFirstModule
Created Acme-MyFirstModule-BDFOY/lib/Acme/MyFirstModule/BDFOY.pm
Created Acme-MyFirstModule-BDFOY/t
Created Acme-MyFirstModule-BDFOY/t/pod-coverage.t
Created Acme-MyFirstModule-BDFOY/t/pod.t
Created Acme-MyFirstModule-BDFOY/t/manifest.t
Created Acme-MyFirstModule-BDFOY/t/boilerplate.t
Created Acme-MyFirstModule-BDFOY/t/00-load.t
Created Acme-MyFirstModule-BDFOY/ignore.txt
Created Acme-MyFirstModule-BDFOY/Build.PL
Created Acme-MyFirstModule-BDFOY/Changes
Created Acme-MyFirstModule-BDFOY/README
Added to MANIFEST: Build.PL
Added to MANIFEST: Changes
Added to MANIFEST: ignore.txt
Added to MANIFEST: lib/Acme/MyFirstModule/BDFOY.pm
Added to MANIFEST: MANIFEST
Added to MANIFEST: README
Added to MANIFEST: t/00-load.t
Added to MANIFEST: t/boilerplate.t
Added to MANIFEST: t/manifest.t
```

# 25,000 Examples

- Look at other distributions to get examples
- See how other people do it
- Ask them questions

# GitHub

Your Dashboard - GitHub

https://github.com/ GitHub, Inc. RSS Google

iPhone.

x hide this broadcast View 57 new broadcasts

**kraih** pushed to master at kraih/mojo about 9 hours ago  
3cde8b2 trim arguments are experimental

**dagolden** opened pull request 6 on andk/pause about 9 hours ago  
Pausehack -- apply \*after\* or \*instead of\* rjbs' pull request  
50 commits with 3,074 additions and 2,433 deletions

**kraih** pushed to master at kraih/mojo about 10 hours ago  
e33d18f deprecated Mojo::Path->append in favor of using Mojo::Path->parts...

**kraih** pushed to master at kraih/mojo about 14 hours ago  
d63f385 fixed changes ;p

**kraih** pushed to master at kraih/mojo about 14 hours ago  
896f6d7 added more Mojo::DOM tests

**kraih** pushed to master at kraih/mojo about 14 hours ago  
6b40e23 improved Mojo::DOM to allow smart whitespace trimming to be disab...

**Your Repositories (99)** [New Repository](#)

Find a repository...

All Repositories Public Private Sources Forks

- briandfoy/test-file
- briandfoy/unicode-casing
- briandfoy/TPR-Website
- briandfoy/html-simplelinkextor
- briandfoy/mojo
- briandfoy/mac-osversion
- briandfoy/crypt-rijndael
- briandfoy/Roman-Unicode
- briandfoy/unicode-support
- briandfoy/module-release

Show 89 more repositories...

## Global setup:

### [Set up git](#)

```
git config --global user.name "brian d foy"  
git config --global user.email brian.d.foy@gmail.com
```

## Next steps:

```
mkdir Acme-MyFirstModule-BDFOY  
cd Acme-MyFirstModule-BDFOY  
git init  
touch README  
git add README  
git commit -m 'first commit'  
git remote add origin git@github.com:briandfoy/Acme-MyFirstModule-BDFOY.git  
git push -u origin master
```

## Existing Git Repo?

```
cd existing_git_repo  
git remote add origin git@github.com:briandfoy/Acme-MyFirstModule-BDFOY.git  
git push -u origin master
```

## Importing a Subversion Repo?

[Click here](#)

## When you're done:

[Continue](#)

```
roscoe_brian[3017]$ pwd
/Users/brian/Desktop/Acme-MyFirstModule-BDF0Y
roscoe_brian[3018]$ ls
Build.PL          MANIFEST          ignore.txt        t
Changes          README           lib
roscoe_brian[3019]$ git init
Initialized empty Git repository in /Users/brian/Desktop/Acme-MyFirstModule-BDF0Y/.git/
roscoe_brian[3020]$ git add .
roscoe_brian[3021]$ git commit -a -m 'My first module, first commit'
[master (root-commit) 830c785] My first module, first commit
11 files changed, 321 insertions(+), 0 deletions(-)
create mode 100644 Build.PL
create mode 100644 Changes
create mode 100644 MANIFEST
create mode 100644 README
create mode 100644 ignore.txt
create mode 100644 lib/Acme/MyFirstModule/BDF0Y.pm
create mode 100644 t/00-load.t
create mode 100644 t/boilerplate.t
create mode 100644 t/manifest.t
create mode 100644 t/pod-coverage.t
create mode 100644 t/pod.t
roscoe_brian[3022]$
```

```
roscoe_brian[3023]$ git remote add origin git@github.com:briandfoy/Acme-MyFirstModule-BDFOY.git
```

```
roscoe_brian[3024]$ git push origin master
```

```
Counting objects: 17, done.
```

```
Delta compression using up to 2 threads.
```

```
Compressing objects: 100% (14/14), done.
```

```
Writing objects: 100% (17/17), 4.52 KiB, done.
```

```
Total 17 (delta 0), reused 0 (delta 0)
```

```
To git@github.com:briandfoy/Acme-MyFirstModule-BDFOY.git
```

```
* [new branch]      master -> master
```

```
roscoe_brian[3025]$
```

```
roscoe_brian[3031]$ perl Build.PL
Created MYMETA.yml and MYMETA.json
Creating new 'Build' script for 'Acme-MyFirstModule-BDF0Y' version '0.01'
roscoe_brian[3032]$ Build test
t/00-load.t ..... 1/1 # Testing Acme::MyFirstModule::BDF0Y 0.01, Perl 5.012002, /usr/
ocal/perl5/perls/perl-5.12.2/bin/perl
t/00-load.t ..... ok
t/boilerplate.t ... ok
t/manifest.t ..... skipped: Author tests not required for installation
t/pod-coverage.t .. ok
t/pod.t ..... ok
All tests successful.
Files=5, Tests=6, 0 wallclock secs ( 0.04 usr  0.02 sys + 0.20 cusr  0.05 csys = 0.3
CPU)
Result: PASS
roscoe_brian[3033]$ Build dist
Creating Makefile.PL
Module::Build was not found in configure_requires! Adding it now
automatically as: configure_requires => { 'Module::Build' => 0.38 }
Created META.yml and META.json
Creating Acme-MyFirstModule-BDF0Y-0.01
Creating Acme-MyFirstModule-BDF0Y-0.01.tar.gz
roscoe_brian[3034]$ █
```



# Upload

The screenshot shows a web browser window titled "PAUSE: add\_uri". The address bar contains the URL "https://pause.perl.org/pause/authenquery?ACTION=add\_uri". The page content is divided into three main sections:

- Upload Material**: A section with a light blue background. It contains the instruction: "If **your browser can handle file upload**, enter the filename here and I'll transfer it to your homedirectory:". Below this are two buttons: "Choose File" (with "no file selected" text) and "Upload this file from my disk".
- Fetch from URL**: A section with a light purple background. It contains the instruction: "If you want me **to fetch a file** from an URL, enter the full URL here.". Below this is an empty text input field and a button labeled "Upload this URL".
- Already Uploaded**: A section with a light yellow background. It contains the instruction: "If **you have already uploaded** the file to PAUSE, click here, which file is yours". Below this is a list of radio buttons, each followed by a filename, size, and author name:
  - ASP4-1.051.tar.gz [69916b; JOHND]
  - App-mymeta\_requires-0.002.tar.gz [11779b; DAGOLDEN]
  - CPAN-Mirror-Finder-0.01.tar.gz [11244b; LBROCARD]
  - CPAN-Webserver-0.01.tar.gz [12075b; LBROCARD]
  - Config-Inetd-0.30\_03.tar.gz [7568b; SCHUBIGER]
  - DBIx-DataModel-1.99\_05.tar.gz [150386b; DAMI]
  - Data-Validate-Common-0.1.tar.gz [4222b; NORBU]
  - Elive-1.12.tar.gz [137426b; WARRINGD]

On the left side of the browser window, there is a navigation menu with the following items: "Register a Module", "Admin menu", "email\_for\_admin", "Add a User or Mailinglist", "Manage a registration request (alpha)", "Edit a Mailinglist", "Select User/Action", "Post a message", "Show/Delete Msgs", "Show Mailinglist Reps", "Index users with digrams (BROKEN)", and "Show bad xhtml output coredump".


[https://pause.perl.org/pause/authenquery?ACTION=add\\_uri](https://pause.perl.org/pause/authenquery?ACTION=add_uri)

# Upload early & often

- You don't have to be perfect, or even good
- Other people can help as soon as possible
- CPAN Testers can send you feedback

# CPAN Search

The screenshot shows a web browser window with the address bar at `search.cpan.org/~bdfoy/`. The page features the CPAN logo and a navigation menu with links for Home, Authors, Recent, News, Mirrors, FAQ, and Feedback. A search bar is present with a dropdown menu set to 'All' and a 'CPAN Search' button. The main content area is titled 'brian d foy' and includes a profile section with links to his CPAN Directory, Email, Homepage, and CPAN Testers. A small portrait of Brian D'Angelo is shown with the hashtag #!perl. Below this is a 'Releases' section with a table of distributions.

| brian d foy                            |  |   |   |
|--|--|---|---|
| CPAN Directory                         | <a href="#">BDFOY [ Archive ]</a>  |   |   |
| Email                                  | <a href="mailto:bdfoy@cpan.org">bdfoy@cpan.org</a>                                 |   |   |
| Homepage                               | <a href="http://www.pair.com/~comdog/">http://www.pair.com/~comdog/</a>            |   |   |
| CPAN Testers                           | <a href="#">[Module test results]</a> <a href="#">[CPAN Testers Author Matrix]</a> |   |  |
| Releases                               |  |   |   |
| <u>Distribution</u> ▾                  |  |   | <u>Released</u>   |
| <a href="#">Acme-BDFOY-0.01</a>        | The great new Acme::BDFOY!   | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 13 Jun 2012   |
| <a href="#">Apache-Htaccess-1.4</a>    | Create and modify Apache .htaccess files   | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 27 Feb 2002   |
| <a href="#">Apache-iTunes-0.11</a>     | control iTunes from mod_perl   | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 25 Oct 2007   |
| <a href="#">App-Cpan-1.61_03</a>       | Interact with CPAN from the command line   | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 19 Apr 2013   |
| <a href="#">App-Module-Lister-0.15</a> | List the Perl modules in @INC  | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 02 Dec 2013   |
| <a href="#">App-PPI-Dumper-1.02</a>    | Use the PPI to dump the structure of a Perl file                                   | <a href="#">[Download]</a> <a href="#">[Browse]</a> | 02 Oct 2013   |

# MetaCPAN

brian d foy (BDFOY) - meta x


https://metacpan.org/author/BDFOY

Home Recent FAQ Feedback News Lab Sign in

meta::cpan

Search

87 results (0.01 seconds)



**BDFOY**  
brian d foy

ENDORSE 8

EMAIL  
brian.d.foy@gmail.com

WEBSITE  
www.pair.com  
about.me

PROFILES

| Release   |   | Uploaded     |
|---|---|--------------|
| <a href="#">Acme-BDFOY-0.01</a>                 | The great new Acme::BDFOY!              | Jun 13, 2012 |
| <a href="#">Apache-iTunes-0.11</a>              | control iTunes from mod_perl            | Oct 25, 2007 |
| <a href="#">App-Cpan-1.58</a>                   | Interact with CPAN from the comm...     | Mar 14, 2012 |
| <a href="#">App-Module-Lister-0.15</a>          | List the Perl modules in @INC           | Dec 02, 2013 |
| <a href="#">App-PPI-Dumper-1.02</a>             | Use the PPI to dump the structure ...   | Oct 02, 2013 |
| <a href="#">Bundle-BDFOY-20070101</a>           | install all modules by BDFOY            | Jan 10, 2007 |
| <a href="#">Bundle-MasteringPerl-20070706</a>   | install all modules mentioned in Ma...  | Jul 06, 2007 |
| <a href="#">Business-ISBN-2.07</a>              | Parse and validate ISBNs                | Jan 03, 2014 |
| <a href="#">Business-ISBN-Data-20120719.001</a> | Data pack for Business::ISBN            | Jul 26, 2012 |
| <a href="#">Business-ISMN-1.11</a>              | Work with International Standard M...   | Oct 25, 2007 |
| <a href="#">Business-ISSN-0.91</a>              | Work with International Standard S...   | Aug 06, 2008 |
| <a href="#">Business-US-USPS-WebTools-1.11</a>  | Use the US Postal Service Web Tools     | Nov 02, 2007 |
| <a href="#">CACertOrg-CA-20110724.004</a>       | CACert.org's CA root certificate in ... | Jan 03, 2014 |

# Lots more

- PAUSE lets you add co-maintainers
- You can take over existing modules
- You can help with other people's modules

# Publicize your module

- Don't be shy
- Write something on [blogs.perl.org](http://blogs.perl.org)
- Tweet it, plus it, facebook it
- Give a lightning talk

# Getting help

- For help with PAUSE issues, write to [modules@perl.org](mailto:modules@perl.org)
- One of the PAUSE volunteer admins can help you
- For general module questions, you might try [module-authors@perl.org](mailto:module-authors@perl.org)
- For CPAN Search issues, try [cpansearch@perl.org](mailto:cpansearch@perl.org)