CTFサーバを立てる

CTFdを起動する

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内容

- CTFサーバ立てたくないですか？？？？？？？？？？？？
- じゃあ立てましょう，簡単です
- ~~(時間がなかったので内容が薄いです)~~

がんばる

Google

ctfd

すべて　画像　動画　ショッピング　ニュース　もっと見る　設定　ツール

約 1,250,000 件　（0.37 秒）

github.com › CTFd › CTFd ▾ このページを訳す

CTFd/CTFd: CTFs as you need them - GitHub

What is **CTFd**? **CTFd** is a Capture The Flag framework focusing on ease of use and customizability. It comes with everything you need to run a CTF and it's easy to customize with plugins and themes. **CTFd** is a CTF in a can.

CTFd · Docker-compose.yml · CTFd/requirements.txt at... · CHANGELOG.md

21/01/15 にこのページにアクセスしました。

がんばる

CTFd / CTFd

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Code Issues 156 Pull requests 19 Actions Projects Wiki Security Insights

master 15 branches 45 tags Go to file Add file Code

khiemdoan Update docker (#1773) ba0afb5 2 days ago 981 commits

.github	Mark 3.1.0 (#1634)	4 months ago
CTFd	Fix issue where you can't remove a time set in Config...	last month
conf/nginx	2.5.0 dev (#1453)	8 months ago
migrations	Mark 3.1.0 (#1634)	4 months ago
scripts	Fix several issues in Vagrant provisioning (#1046)	17 months ago
tests	Mark 3.2.1 (#1757)	last month
.codecov.yml	Fix admin cannot modify verified status in Edit User (...	2 years ago
.dockerignore	Add node_modules/ to .dockerignore	9 months ago
.eslintrc.js	3.0.0a1 (#1523)	7 months ago
.flaskenv	1.2.0 (#627)	3 years ago
.gitignore	3.0.0a1 (#1523)	7 months ago
.isort.cfg	3.0.0a1 (#1523)	7 months ago
.prettierignore	Format all the things (#991)	2 years ago
CHANGELOG.md	Mark 3.2.1 (#1757)	last month
CONTRIBUTING.md	3.0.0a1 (#1523)	7 months ago
Dockerfile	Update docker (#1773)	2 days ago
LICENSE	Update LICENSE	3 years ago
Makefile	Add channel to update check and use new endpoint ...	6 months ago
README.md	Mark 3.1.0 (#1634)	4 months ago
Vagrantfile	Fix several issues in Vagrant provisioning (#1046)	17 months ago
development.txt	Mark 3.2.0 (#1748)	2 months ago
docker-compose.yml	Fix docker compose (#1708)	2 months ago
docker-entrypoint.sh	3.0.0a1 (#1523)	7 months ago

About

CTFs as you need them

ctfd.io

education flask security ctf ctfd

Readme

Apache-2.0 License

Releases 45

3.2.1 Latest on 10 Dec 2020

+ 44 releases

Packages

No packages published

Contributors 80

+ 69 contributors

Languages

JavaScript 25.8%
HTML 13.7% Vue 3.3%
SCSS 1.4% Shell 0.2%
Other 0.2%

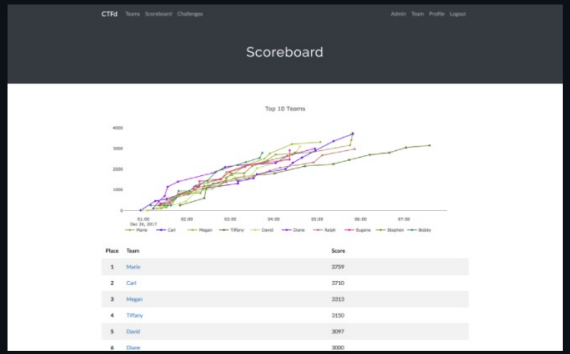
README.md

CTFd

CTFd MySQL CI passing Linting passing discourse online netlify Success

What is CTFd?

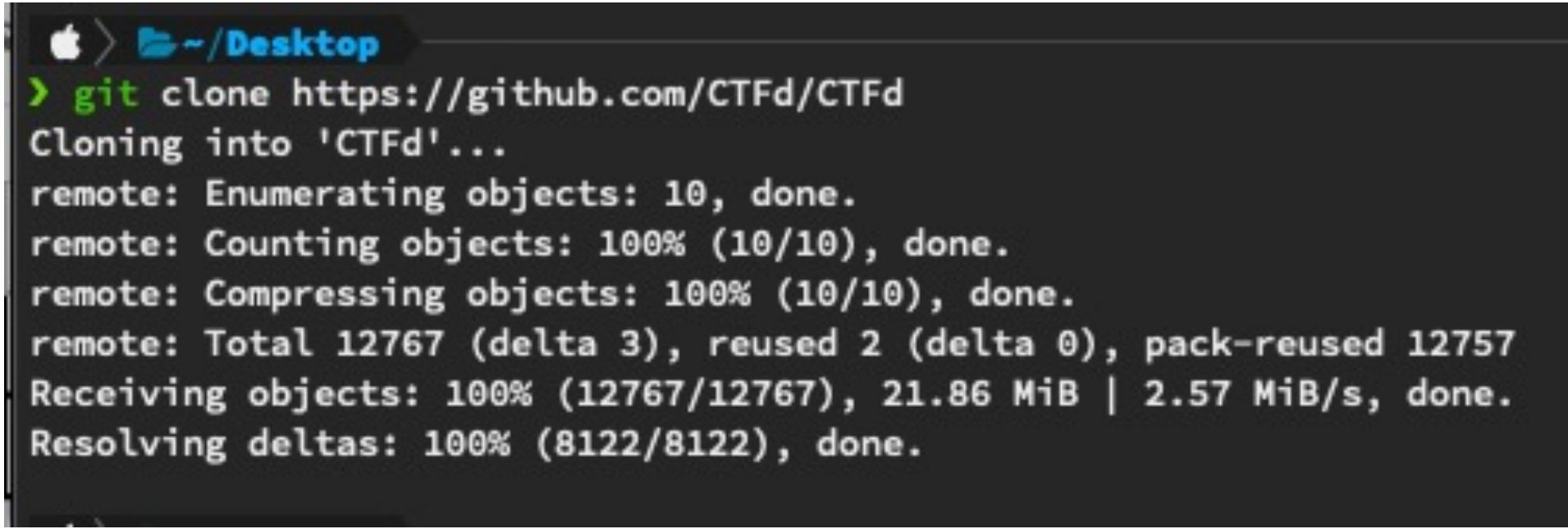
CTFd is a Capture The Flag framework focusing on ease of use and customizability. It comes with everything you need to run a CTF and it's easy to customize with plugins and themes.



Features

- Create your own challenges, categories, hints, and flags from the Admin Interface
  - Dynamic Scoring Challenges
  - Unlockable challenge support
  - Challenge plugin architecture to create your own custom challenges
  - Static & Regex based flags
    - Custom flag plugins
  - Unlockable hints
  - File uploads to the server or an Amazon S3-compatible backend
  - Limit challenge attempts & hide challenges
  - Automatic bruteforce protection

GitHub


~/Desktop
git clone https://github.com/CTFd/CTFd
Cloning into 'CTFd'...
remote: Enumerating objects: 10, done.
remote: Counting objects: 100% (10/10), done.
remote: Compressing objects: 100% (10/10), done.
remote: Total 12767 (delta 3), reused 2 (delta 0), pack-reused 12757
Receiving objects: 100% (12767/12767), 21.86 MiB | 2.57 MiB/s, done.
Resolving deltas: 100% (8122/8122), done.

ダウンロード

がんばる

- dockerを頑張って入れましょう
- M1 Macの人はDocker公式Slackに入るとベータ版のURLがもらえます(動く)

がんばる

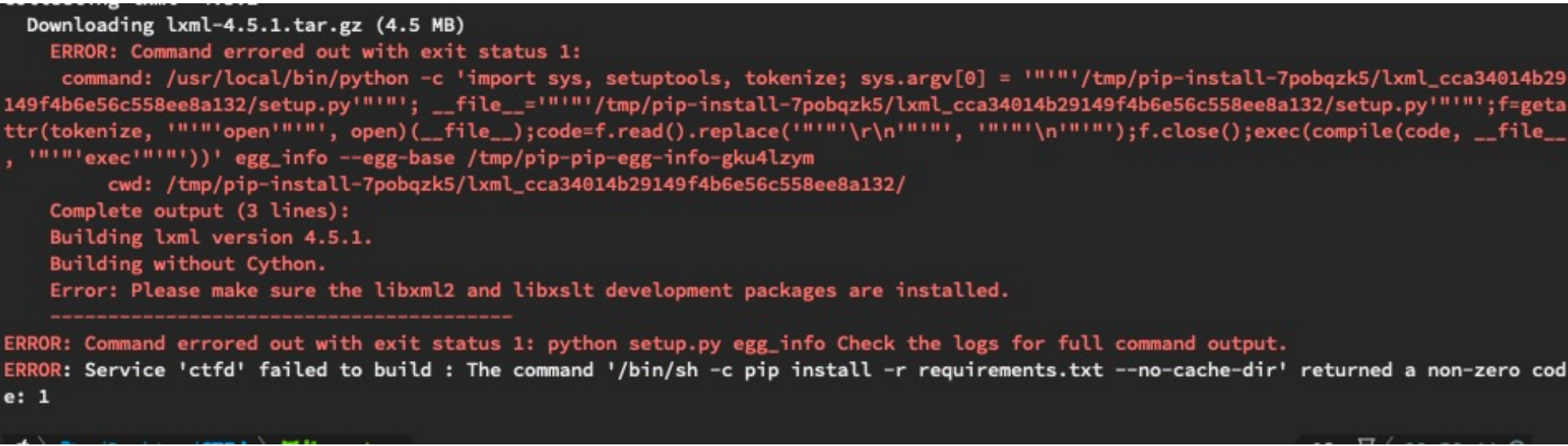
```
❯ docker-compose up
Creating network "ctfd_internal" with the default driver
Creating network "ctfd_default" with the default driver
Pulling db (mariadb:10.4.12)...
10.4.12: Pulling from library/mariadb
c2cd007b69f7: Pull complete
3c087f8bf83d: Pull complete
474b5c43e9a2: Pull complete
7083e6591d76: Pull complete
340e908aa186: Pull complete
51f46da80a1e: Pull complete
9374369ce522: Pull complete
e65d1839f1c9: Pull complete
38ac11fc4bc1: Extracting [==================================================>]  920.8kB/920.8kB
d5cf075dcf71: Download complete
6ae2bb00ba7e: Download complete
1125cdfe2de9: Downloading [>                                                  ]  537.3kB/78.69MB
6a6db6a004b5: Download complete
d1e1731681d0: Waiting
```

起動コマンドはこれだけ

がんばる

なんかいっぱい出る

がんばる



なんかエラー出る

alpine に lxml をインストールした docker を構築する

alpine に lxml をインストールしようとするとこんなエラーが出る。

```
...
** make sure the development packages of libxml2 and libxslt are installed **
...
*********************************************************************************
Could not find function xmlCheckVersion in library libxml2. Is libxml2 installed
*********************************************************************************
error: command 'gcc' failed with exit status 1
...
Command "/usr/local/bin/python -u -c "import setuptools,
tokenize;__file__='/tmp/pip-install-96bb0z1d/lxml/setup.py';f=getattr(tokenize,
'open', open)(__file__);code=f.read().replace('\r\n',
'\n');f.close();exec(compile(code, __file__, 'exec'))" install --record /tmp/pip-
record-i0hoswq1/install-record.txt --single-version-externally-managed --compile"
failed with error code 1 in /tmp/pip-install-96bb0z1d/lxml/
```

結論としては Dockerfile を次のようにしてインストールできた。

```
FROM python:3-alpine
RUN apk --no-cache add gcc libc-dev libxml2-dev libxslt-dev
RUN pip3 install lxml
```

libxml2-dev と libxslt-dev は本家に必要と書いてあった

https://lxml.de/installation.html

また g++ と gcc をインストールしてたが、こちらの stackoverflow によるとlibc-dev と gcc でよさそう

https://stackoverflow.com/questions/35931579/how-can-i-install-lxml-in-docker

ororo (id:ororog) 2年前

解決策あった
他にもいろいろエラーでた

Dockerfile

```
11          libssl-dev \
12          git \
13          libzbar-dev \
14          libc-dev \
15          python-pip \
16          python-dev \
17          python-lxml \
18          libxml2-dev \
19          libxslt-dev \
20      && apt-get clean \
21      && rm -rf /var/lib/apt/lists/*
22
23  COPY requirements.txt /opt/CTFd/
```

docker_compose.yml

```
  - "8000:8000"
environment:
  - SECRET_KEY=RYUSEINOCTFSITE
  - UPLOAD_FOLDER=/var/uploads
  - DATABASE_URL=mysql+pymysql://ctfd:ctfd@db/ctfd
  - REDIS_URL=redis://cache:6379
```

```
46          - MYSQL_PASSWORD=ctfd
47          - MYSQL_DATABASE=ctfd
48      volumes:
49          - .data/mysql:/var/lib/mariadb
50      networks:
51          internal:
52      # This command is required to set impo
```

書き換える

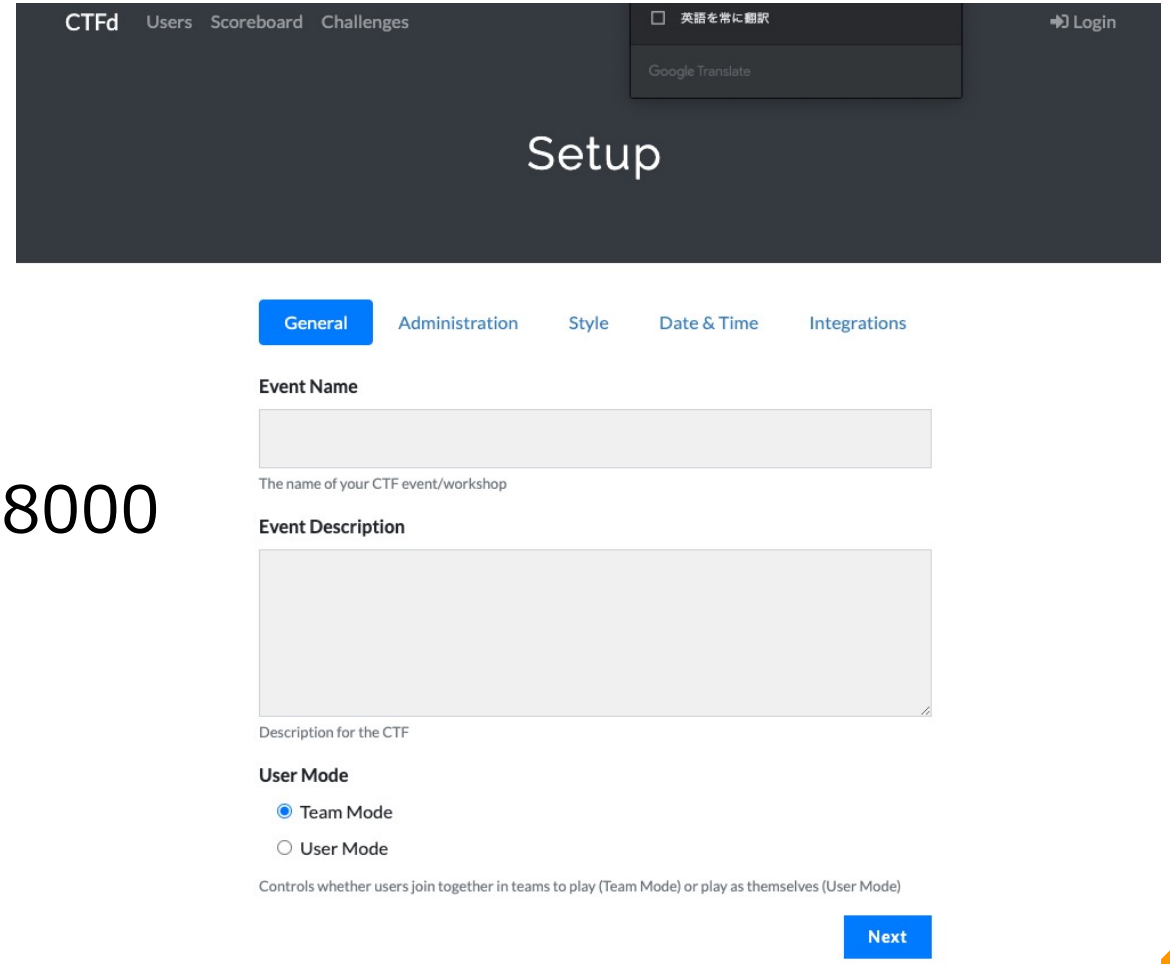
が

```
tribution
ctfd_1   | ..........................................................................................................................
.......................................................db is ready
ctfd_1   | INFO  [alembic.runtime.migration] Context impl MySQLImpl.
ctfd_1   | INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
ctfd_1   | /usr/local/lib/python3.7/site-packages/pymysql/cursors.py:170: Warning: (1280, "Name 'alembic_version_pkc' ignored for PRIMA
RY key.")
ctfd_1   |   result = self._query(query)
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade  -> 8369118943a1, Initial Revision
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade 8369118943a1 -> 4e4d5a9ea000, Add type to awards
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade 4e4d5a9ea000 -> b5551cd26764, Add captain column to Teams
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade b5551cd26764 -> b295b033364d, Add ondelete cascade to foreign keys
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade b295b033364d -> 080d29b15cd3, Add Tokens table to store user access tokens
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade 080d29b15cd3 -> a03403986a32, add theme code injections to configs
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade a03403986a32 -> 1093835a1051, Add default email templates
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade 1093835a1051 -> 0366ba6575ca, Add table for comments
ctfd_1   | INFO  [alembic.runtime.migration] Running upgrade 0366ba6575ca -> 75e8ab9a0014, Add Fields and FieldEntries tables
ctfd_1   | INFO  [alembic.runtime.migration] Context impl MySQLImpl.
ctfd_1   | INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.challenges' from '/opt/CTFd/CTFd/plugins/challenges/__init__.py'>
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.dynamic_challenges' from '/opt/CTFd/CTFd/plugins/dynamic_challenges/__init__.py'>
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.flags' from '/opt/CTFd/CTFd/plugins/flags/__init__.py'>
ctfd_1   | INFO  [alembic.runtime.migration] Context impl MySQLImpl.
ctfd_1   | INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
ctfd_1   | Starting CTFd
ctfd_1   | [2021-01-16 15:07:23 +0000] [1] [INFO] Starting gunicorn 20.0.4
ctfd_1   | [2021-01-16 15:07:23 +0000] [1] [INFO] Listening at: http://0.0.0.0:8000 (1)
ctfd_1   | [2021-01-16 15:07:23 +0000] [1] [INFO] Using worker: gevent
ctfd_1   | [2021-01-16 15:07:23 +0000] [379] [INFO] Booting worker with pid: 379
ctfd_1   | INFO  [alembic.runtime.migration] Context impl MySQLImpl.
ctfd_1   | INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
ctfd_1   | INFO  [alembic.runtime.migration] Context impl MySQLImpl.
ctfd_1   | INFO  [alembic.runtime.migration] Will assume non-transactional DDL.
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.challenges' from '/opt/CTFd/CTFd/plugins/challenges/__init__.py'>
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.dynamic_challenges' from '/opt/CTFd/CTFd/plugins/dynamic_challenges/__init__.py'>
ctfd_1   |  * Loaded module, <module 'CTFd.plugins.flags' from '/opt/CTFd/CTFd/plugins/flags/__init__.py'>
ctfd_1   | 172.20.0.1 - - [16/Jan/2021:15:25:09 +0000] "GET / HTTP/1.1" 302 219 "-" "Mozilla/5.0 (Macintosh; Intel Mac OS X 11_1_0) App
```

起動中に見えるが
起動完了

がんばる

http://0.0.0.0:8000
にアクセス



heroku.yml 追加

アプリケーションを定義するためマニフェストファイル、 `heroku.yml` を追加して、Docker で動作できるように設定を加えていきます。

Building Docker Images with heroku.yml | Heroku Dev Center

heroku.yml is a new manifest for defining your app. This article is specifically about using heroku.yml to build your Dockerfile.

devcenter.heroku.com 10 users

devcenter.heroku.com

```
build:
  docker:
    web: Dockerfile
```

公開したい
↓
確かこれ追加して
git push Heroku master
するだけ

お疲れ様でした！

This is a fully functional demo of the CTFd platform.

Everything will reset every 30 minutes.

You can login using one of the following accounts:

admin `password`

user `password`

Or you can register a new account

This demo has been outfitted with Plus features such as:

Unlockable Challenges

Programming Challenges

Multiple Choice Questions