

Plugins

ctfcli plugins are essentially additions to the command line interface via dynamic class modifications.



CAUTION

ctfcli is an alpha project! The plugin interface is likely to change!

Writing a new plugin

1. Locate your plugin directory

```
> ctf plugins dir
/Users/user/Library/Application Support/ctfcli/plugins
```

2. Create a new module

Create a new Python module with an `__init__.py` file inside of it. Inside of the `__init__.py` file you should specify a load function that takes a single argument (the pre-defined command classes)

```
.
├── plugin
│   └── __init__.py
```

```
> cat plugin/__init__.py
from types import MethodType
```

```
def load(commands):
```

Writing a new plugin

1. Locate your plugin directory
2. Create a new module
3. Define your plugin
4. Run your new command

Installing a plugin

Locating plugin directory

```
pass
```

3. Define your plugin

```
from types import MethodType

def cow(self):
    a_cow = """
    ^__^
    (oo)\_______
    (__)\       )\/\
    ||----w |
    ||     ||
    """
    print(a_cow)

def load(commands):
    plugins = commands["plugins"]
    plugins.cow = MethodType(cow, plugins)
```

4. Run your new command

```
> ctf plugins cow
Loading /Users/user/Library/Application Support/ctfcli/plugins/plugin/__init__.py as pl
```

```
^__^
(oo)\_______
(__)\       )\/\
||----w |
||     ||
```

Installing a plugin

`ctfcli` expects plugins to be shared via git repositories. The `ctf plugins install` command will clone

a given plugin repository to the plugin directory.

```
› ctf plugins install URL
```

Locating plugin directory

The `ctf plugins dir` command will list out the directory where plugins are installed

```
› ctf plugins dir
/Users/user/Library/Application Support/ctfcli/plugins
```

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