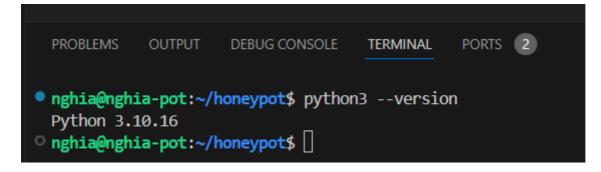
Kịch bản tấn công Web honeypot

django-admin-honeypot là một trang đặng nhập của quản trị viên django, được sử dụng để ghi nhận và thông báo cho quản trị viên về các nỗ lực truy cập trái phép. Ứng dụng này được lấy cảm hứng từ các cuộc thảo luận xoay quanh bài nói chuyện về bảo mật của Paul McMillan tại DjangoCon năm 2011.

1. Cài đăt

```
Cài đặt python3 và gói kèm theo sudo apt update sudo apt install software-properties-common -y sudo add-apt-repository ppa:deadsnakes/ppa sudo apt update sudo apt install python3.10 python3.10-venv python3.10-dev
```



mkdir djangohoneypot cd djangohoneypot

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2

• nghia@nghia-pot:~/honeypot$ mkdir djangohoneypot
• nghia@nghia-pot:~/honeypot$ ls
cowrie dino djangohoneypot GeoLite2-City.mmdb Note.txt
• nghia@nghia-pot:~/honeypot$ cd djangohoneypot/
• nghia@nghia-pot:~/honeypot/djangohoneypot$ ls
• nghia@nghia-pot:~/honeypot/djangohoneypot$ []
```

```
python3 -m venv django-env
source django-env/bin/activate
python -m pip install --upgrade pip
python -m pip install --upgrade -r requirements.txt
```

```
nghia@nghia-pot:~/honeypot/djangohoneypot$ python3 -m venv django-env
       mghia-pot:~/honeypot/djangohoneypot$ source django-env/bin/activate
 (django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ python -m pip install --upgrade pip
 Requirement already satisfied: pip in ./django-env/lib/python3.10/site-packages (23.0.1)
 Collecting pip
   Using cached pip-24.3.1-py3-none-any.whl (1.8 MB)
 Installing collected packages: pip
   Attempting uninstall: pip
     Found existing installation: pip 23.0.1
     Uninstalling pip-23.0.1:
       Successfully uninstalled pip-23.0.1
 Successfully installed pip-24.3.1
 (django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ python -m pip install --upgrade -r requirements.txt
 ERROR: Could not open requirements file: [Errno 2] No such file or directory: 'requirements.txt' (django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ python -m pip install --upgrade -r requirements.txt
 Collecting django (from -r requirements.txt (line 1))
   Using cached Django-5.1.4-py3-none-any.whl.metadata (4.2 kB)
 Collecting django-ipware (from -r requirements.txt (line 2))
   Using cached django ipware-7.0.1-py2.py3-none-any.whl.metadata (9.1 kB)
 Collecting pytest (from -r requirements.txt (line 4))
   Using cached pytest-8.3.4-py3-none-any.whl.metadata (7.5 kB)
 Collecting pytest-cov (from -r requirements.txt (line 5))
   Using cached pytest_cov-6.0.0-py3-none-any.whl.metadata (27 kB)
 Collecting pytest-django (from -r requirements.txt (line 6))
   Using cached pytest django-4.9.0-py3-none-any.whl.metadata (8.2 kB)
 Collecting pytest-pythonpath (from -r requirements.txt (line 7))
   Using cached pytest pythonpath-0.7.4-py3-none-any.whl.metadata (2.8 kB)
 Collecting asgiref<4,>=3.8.1 (from django->-r requirements.txt (line 1))
   Using cached asgiref-3.8.1-py3-none-any.whl.metadata (9.3 kB)
 Collecting sqlparse>=0.3.1 (from django->-r requirements.txt (line 1))
   Using cached sqlparse-0.5.2-py3-none-any.whl.metadata (3.9 kB)
```

Requirements.txt

```
django
django-ipware

pytest

pytest-cov

pytest-django

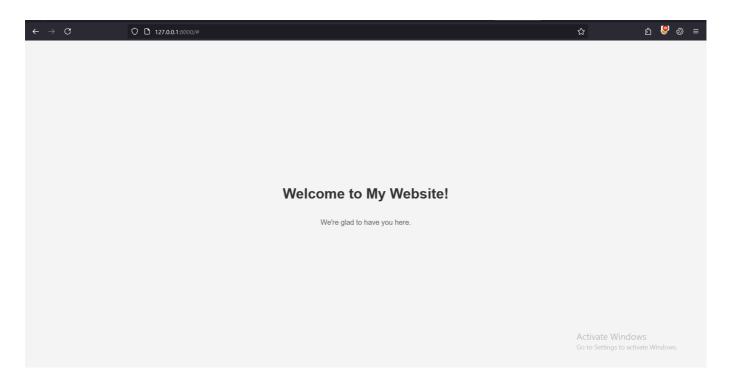
pytest-pythonpath
```

2. Tao Website

Chuẩn bị một website cơ bản bằng django

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 2

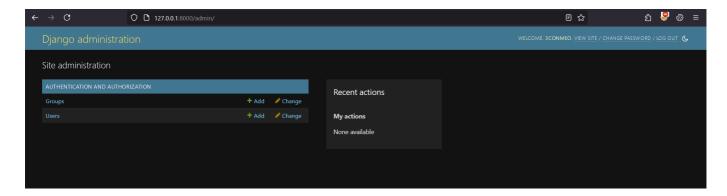
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ python -m django --version
5.1.4
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ django-admin startproject honeypotsite
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot$ cd honeypotsite/
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot/honeypotsite$ ls
honeypotsite manage.py
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot/honeypotsite$ [
```



Tạo superuser để đăng nhập vào trang admin của django

```
• (django-env) nghia@nghia-pot:~/honeypot/djangohoneypot/honeypotsite$ python manage.py createsuperuser
Username (leave blank to use 'nghia'): 3conmeo
Email address:
Password:
Password (again):
This password is too short. It must contain at least 8 characters.
This password is too common.
This password is entirely numeric.
Bypass password validation and create user anyway? [y/N]: y
Superuser created successfully.

• (django-env) nghia@nghia-pot:~/honeypot/djangohoneypot/honeypotsite$
```



Sau đó cài django-admin-honeypot như một app trên django project

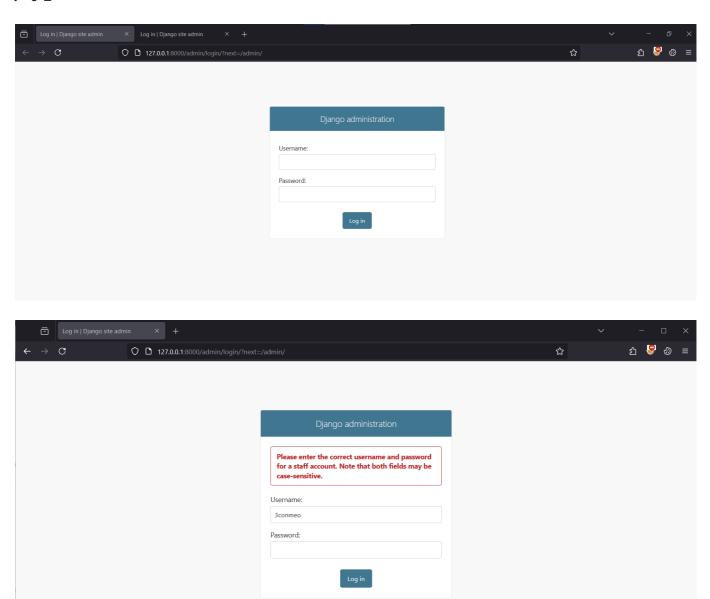
```
(django-env) nghia@nghia-pot:~/honeypot/djangohoneypot/honeypotsite$ pip install django-admin-honeypot-updated-2021
Collecting django-admin-honeypot-updated-2021
 Using cached django_admin_honeypot_updated_2021-1.2.0-py2.py3-none-any.whl
Requirement already satisfied: django>=2.2 in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from django-admi
n-honeypot-updated-2021) (5.1.4)
Requirement already satisfied: django-ipware in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from django-ad
min-honeypot-updated-2021) (7.0.1)

Requirement already satisfied: asgiref<4,>=3.8.1 in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from djang
o>=2.2->django-admin-honeypot-updated-2021) (3.8.1)
Requirement already satisfied: sqlparse>=0.3.1 in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from django>
=2.2->django-admin-honeypot-updated-2021) (0.5.2)
Requirement already satisfied: python-ipware>=2.0.3 in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from dj
ango-ipware->django-admin-honeypot-updated-2021) (3.0.0)
Requirement already satisfied: typing-extensions>=4 in /home/nghia/honeypot/djangohoneypot/django-env/lib/python3.10/site-packages (from as
giref<4,>=3.8.1->django>=2.2->django-admin-honeypot-updated-2021) (4.12.2)
Installing collected packages: django-admin-honeypot-updated-2021
Successfully installed django-admin-honeypot-updated-2021-1.2.0
```

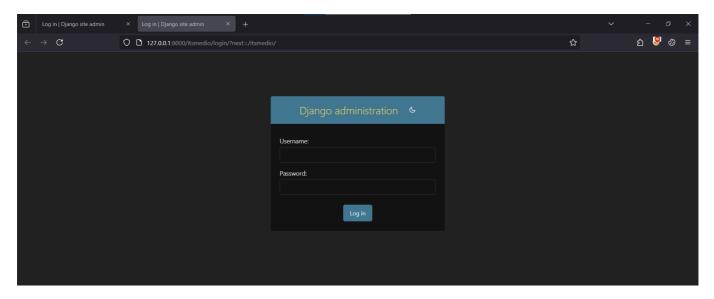
Cấu hình để chạy django-admin-honeypot trên web

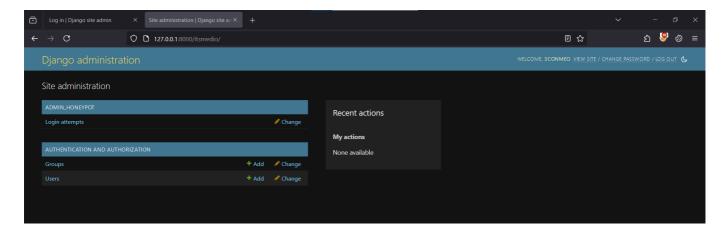
```
djangohoneypot > honeypotsite > honeypotsite > 🕏 settings.py
       # Application definition
 32
       INSTALLED APPS = [
            'django.contrib.admin',
           'django.contrib.auth',
           'django.contrib.contenttypes',
 36
            'django.contrib.sessions',
 37
           'django.contrib.messages',
           'django.contrib.staticfiles',
           'home',
            'admin honeypot'
 41
 42
```

Trang giả



Trang thật

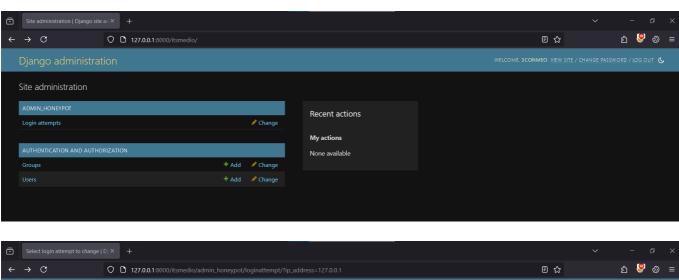


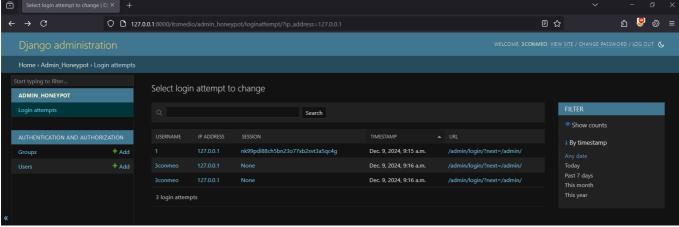


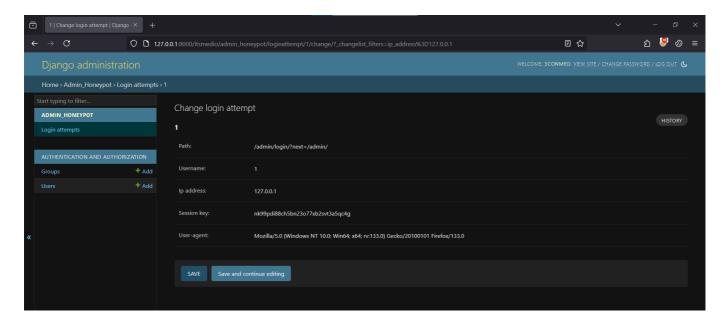
Cho dù ta có nhập đúng credential cũng sẽ không vào được trang giả

Tấn công

Sau khi cài đặt xong ta thử 1 số credential và tất cả request sẽ được logs lại ở trang admin thật







Chuẩn bị tấn công bằng BurpSuite

