index
main /home/kali/projeto_lpd_segurança/src/main.py

Modules

os sys time

Functions

clear_screen()
--- Funções Auxiliares ---

menu_extra()

menu_logs()

menu_passwords()

menu_rede()
--- Sub-Menus ---

press_enter()

print_header()

index
rede /home/kali/projeto_lpd_segurança/src/rede.py

Modules

random socket sys time

Classes

builtins.object
    NetworkTool

class **NetworkTool**(builtins.object)
Methods defined here:

__init__(self)
Initialize self. See help(type(self)) for accurate signature.

scan_ports(self, target_ip, ports)
Verifica se uma lista de ports está aberta num IP alvo.
Devolve uma lista dos ports abertos.

syn_flood(self, target_ip, target_port, count)
Envia pacotes TCP com a flag SYN ativa (início de conexão) sem completar o handshake.
Requer permissões de ROOT/ADMIN.

udp_flood(self, target_ip, target_port, duration)
Envia pacotes UDP com dados aleatórios para o alvo durante 'duration' segundos.

Data descriptors defined here:

__dict__
dictionary for instance variables

__weakref__
list of weak references to the object

index
logs /home/kali/projeto_lpd_segurança/src/logs.py

Modules

geoip2 re
matplotlib.pyplot socket sys

Classes

builtins.object
    LogAnalyzer

class **LogAnalyzer**(builtins.object)
LogAnalyzer(db_path='GeoLite2-City.mmdb')

Methods defined here:

__init__(self, db_path='GeoLite2-City.mmdb')
    Initialize self. See help(type(self)) for accurate signature.

generate_report(self, ips)

get_country(self, ip)

parse_file(self, file_path)
    Ler de um ficheiro estático

start_syslog_server(self, host='0.0.0.0', port=514)

Data descriptors defined here:

__dict__
    dictionary for instance variables

__weakref__
    list of weak references to the object

index
pass_manager /home/kali/projeto_lpd_segurança/src/pass_manager.py

Modules

base64 os sqlite3
cryptography.hazmat.primitives.hashes pyotp

Classes

builtins.object
    PasswordManager

class **PasswordManager**(builtins.object)
PasswordManager(db_name='cofre.db')

Methods defined here:

__init__(self, db_name='cofre.db')
Initialize self. See help(type(self)) for accurate signature.

add_password(self, service, username, password)

get_password(self, service)

list_services(self)

load_key(self, master_password)
Gera uma chave de criptografia válida baseada na Password Mestre do utilizador.
Usa KDF (Key Derivation Function) para transformar texto em chave de 32 bytes.

Data descriptors defined here:

__dict__
dictionary for instance variables

__weakref__
list of weak references to the object

Functions

verificar_2fa(secret_fake='JBSWY3DPEHPK3PXP')
Simula uma validação 2FA.

index
chat_server /home/kali/projeto_lpd_segurança/src/chat_server.py

Modules

cryptography.hazmat.primitives.hashes cryptography.hazmat.primitives.asymmetric.padding cryptography.hazmat.primitives.serialization threading
os cryptography.hazmat.primitives.asymmetric.rsa socket

Classes

builtins.object
ChatServer

class **ChatServer**(builtins.object)
ChatServer(host='0.0.0.0', port=9999)

Methods defined here:

__init__(self, host='0.0.0.0', port=9999)
Initialize self. See help(type(self)) for accurate signature.

broadcast(self, message, sender_socket)

decrypt_logs(self)
Função extra para demonstrar funcionamento: ler os Logs

handle_client(self, client)

log_message(self, message)
Requisito: Armazenar mensagem encriptada com chave assimétrica

start(self)

Data descriptors defined here:

__dict__
dictionary for instance variables

__weakref__
list of weak references to the object

index
knock_server /home/kali/projeto_lpd_segurança/src/knock_server.py

Modules

os threading time

Classes

builtins.object
PortKnockerDaemon

class **PortKnockerDaemon**(builtins.object)
PortKnockerDaemon(interface='eth0')

Methods defined here:

__init__(self, interface='eth0')
Initialize self. See help(type(self)) for accurate signature.

close_firewall(self, ip_address)

open_firewall(self, ip_address)
Executa comando de sistema para abrir a porta 22 para este IP

packet_callback(self, packet)

start(self)

Data descriptors defined here:

__dict__
dictionary for instance variables

__weakref__
list of weak references to the object