## https://micropoor.blogspot.com/

在写第五季的时候,vps掉线了,ssh重新登录后,无法切到MSF session下,想到部分同学如果在vps上操作也会遇到这个问题,故本季解决该问题。

## • tmux是什么?

Tmux是一个优秀的终端复用软件,类似GNU Screen,但来自于OpenBSD,采用BSD授权。使用它最直观的好处就是,通过一个终端登录远程主机并运行tmux后,在其中可以开启多个控制台而无需再"浪费"多余的终端来连接这台远程主机。是BSD实现的Screen替代品,相对于Screen,它更加先进:支持屏幕切分,而且具备丰富的命令行参数,使其可以灵活、动态的进行各种布局和操作。

# • Tmux的使用场景

- 1. 可以某个程序在执行时一直是输出状态,需要结合nohup、&来放在后台执行,并且ctrl+c结束。这时可以打开一个Tmux窗口,在该窗口里执行这个程序,用来保证该程序一直在执行中,只要Tmux这个窗口不关闭
- 2. 公司需要备份数据库时,数据量巨大,备份两三天弄不完,这时不小心关闭了终端窗口或误操作就前功尽弃了,使用Tmux会话运行命令或任务,就不用担心这些问题。
- 3. 下班后, 你需要断开ssh或关闭电脑, 将运行的命令或任务放置后台运行。
- 4. 关闭终端,再次打开时原终端里面的任务进程依然不会中断
- 5. 在渗透过程中, 意外因网络等原因ssh掉线, tmux可以恢复session会话

```
zsh: command not found: tmux
rootsJohn: ** apt get install tmux
Reading package lists... Done
Building dependency tree
Reading package seri information... Done
The following packages were automatically installed and are no longer required:
dh.python libperl5.2 & libpython3.5-minimal libpython3.5-stalib python3-distutils python3-lib2to3 python3.5 python3.5-minimal rename tcpd
Use tep: autoremove to remove the remove the remove that libpython3.5-stalib python3-distutils python3-lib2to3 python3.5 python3.5-minimal rename tcpd
Use tep: autoremove to remove the remove that libey the result of the remove that libey the result of the remove libey that libey the result of the remove and log not upgraded.
The following MEM packages will be installed:
libevent-2.1-6 libutospertor tmux
0 upgraded, 3 nexly installed, 0 to remove and log not upgraded.
Need to get 480 kB of archives.
After this operation, 1177 kB of additional disk space will be used.
0 you want to continue? If/MI)
WAMRIMO: The following packages cannot be authenticated libevent-2.1-6 minux
Install these packages without verification? [y/MI] y
WAMRIMO: The following packages cannot be authenticated libevent-2.1-6 minux
Install these packages without verification? [y/MI] y
Get:1 http://kali.download/kali kali-rolling/main and64 libutempter0 and64 2.1.8-stable-4 [177 kB]
Get:2 http://kali.download/kali kali-rolling/main and64 thus mad64 2.8-2 [302 kB]
Febtone 480 kB on 10 [998 kBs]
Febtone 480 kB on 10 [998 kBs]
Febtone 480 kB on 10 [998 kBs]
Febtone 480 kBs on 10 [998 kBs]
Febtone 480 kBs
```

```
root@John:~# tmux new -s msf
```

```
root@John:~# tmux ls
msf: 1 windows (created Sat Dec 22 07:03:02 2018) [203x47]
root@John:~# <mark>|</mark>
```

### tmux 常用操作命令:

- tmux new -s session1 新建会话
- ctrl+b d 退出会话,回到shell的终端环境 //tmux detach-client
- tmux ls 终端环境查看会话列表
- ctrl+b s 会话环境查看会话列表
- tmux a -t session1 从终端环境进入会话
- tmux kill-session -t session1 销毁会话
- tmux rename -t old\_session\_name new\_session\_name 重命名会话
- ctrl + b \$ 重命名会话 (在会话环境中)

#### 还原会话

```
msf > use exploit/multi/handler
msf exploit(multi/handler) > set payload windows/meterpreter/reverse_tcp
payload => windows/meterpreter/reverse_tcp
msf exploit(multi/handler) > show options

Module options (exploit/multi/handler):

Name Current Setting Required Description

Payload options (windows/meterpreter/reverse_tcp):

Name Current Setting Required Description

EXITFUNC process yes Exit technique (Accepted: '', seh, thread, process, none)
LHOST yes The listen address (an interface may be specified)
LPORT 4444 yes The listen port

Exploit target:
Id Name
```

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