许多教程都会讲解msf分别在windows，linux以及Mac上的安装，而在实际的项目中，或者实战中，居多以vps上做跳板渗透，而vps又以linux居多。故本章直接以Linux为安装背景。

vps背景如下：

root@john:~# uname -a

Linux john 3.16.0-7-amd64 #1 SMP Debian 3.16.59-1 (2018-10-03) x86_64 GNU/Linux

root@john:~# lsb_release -a

No LSB modules are available.

Distributor ID:　Debian

Description:　　Debian GNU/Linux 8.11 (jessie)

Release:　　8.11

Codename:　　jessie

root@john:~#　cat /proc/version

Linux version 3.16.0-7-amd64 (debian-kernel@lists.debian.org) (gcc version 4.9.2 (Debian 4.9.2-10+deb8u1)) #1 SMP Debian 3.16.59-1 (2018-10-03)

以Debian为载体，更能快速的安装与配置msf。

安装：

配置源

root@john:~# nano /etc/apt/sources.list

root@john:~# cat /etc/apt/sources.list

#

deb cdrom:[Debian GNU/Linux 8.11.0 _Jessie_ - Official amd64 NETINST Binary-1 20180623-13:06]/ jessie main

#deb cdrom:[Debian GNU/Linux 8.11.0 _Jessie_ - Official amd64 NETINST Binary-1 20180623-13:06]/ jessie main

deb http://http.us.debian.org/debian/ jessie main

deb-src http://http.us.debian.org/debian/ jessie main

deb http://security.debian.org/ jessie/updates main

deb-src http://security.debian.org/ jessie/updates main

\# jessie-updates, previously known as 'volatile'

deb http://http.us.debian.org/debian/ jessie-updates main

deb-src http://http.us.debian.org/debian/ jessie-updates main

#deb http://http.kali.org/kali kali-rolling main non-free contrib

#deb-src http://http.kali.org/kali kali-rolling main non-free contrib

deb http://http.kali.org/kali kali-rolling main non-free contrib

#deb http://http.kali.org/kali kali-rolling main non-free contrib

```
#

# deb cdrom:[Debian GNU/Linux 9.5.0 _Stretch_ - Official amd64 NETINST 20180714-10:25]/ stretch main

#deb cdrom:[Debian GNU/Linux 9.5.0 _Stretch_ - Official amd64 NETINST 20180714-10:25]/ stretch main

deb http://http.us.debian.org/debian/ stretch main
deb-src http://http.us.debian.org/debian/ stretch main

deb http://security.debian.org/debian-security stretch/updates main
deb-src http://security.debian.org/debian-security stretch/updates main

# stretch-updates, previously known as 'volatile'
deb http://http.us.debian.org/debian/ stretch-updates main
deb-src http://http.us.debian.org/debian/ stretch-updates main
deb http://http.kali.org/kali kali-rolling main non-free contrib
```

更新源：

root@john:~# apt-get update&&apt-get upgrade

更新后故可apt 安装即可，方便快捷。

root@john:~# apt-get install metasploit-framework，如安装sqlmap等。

安装metasploit-framework，

```
root@John:~# apt-get install metasploit-framework
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libperl5.24 rename tcpd
Use 'apt autoremove' to remove them.
The following additional packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bundler cpp cpp-8 dpkg-dev fakeroot fonts-lato g++ g++-8 gcc gcc-
  libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1 libbinutils libblas3 libc-bin libc-dev-
  libfile-fcntllock-perl libgcc-8-dev libgcc1 libgdbm-compat4 libgdbm6 libgfortran5 libgmp-dev libgmpxx4ldbl libgomp1 libicu63 libidn
  liblocale-gettext-perl liblsan0 liblua5.3-0 libmpc3 libmpfr6 libmpx2 libncurses6 libperl5.28 libpq5 libquadmath0 libruby2.5 libsenso
  libtext-iconv-perl libtsan0 libubsan1 libunistring2 libxslt1.1 libyaml-0-2 linux-libc-dev locales make manpages-dev nasm nmap nmap-c
  postgresql-client-11 postgresql-client-common postgresql-common rake ruby ruby-bundler ruby-dev ruby-did-you-mean ruby-json ruby-mir
  ruby-power-assert ruby-test-unit ruby-thor ruby-xmlrpc ruby2.5 ruby2.5-dev ruby2.5-doc rubygems-integration ssl-cert sudo sysstat un
Suggested packages:
  binutils-doc cpp-doc gcc-8-locales debian-keyring g++-multilib g++-8-multilib gcc-8-doc libstdc++6-8-dbg gcc-multilib autoconf autom
  libgomp1-dbg libitm1-dbg libatomic1-dbg libasan5-dbg liblsan0-dbg libtsan0-dbg libubsan1-dbg libmpx2-dbg libquadmath0-dbg apache2 |
  libmpfr-dev liblinear-tools liblinear-dev lm-sensors libstdc++-8-doc make-doc java7-runtime-headless clamav clamav-daemon ncat ndiff
  | libterm-readline-perl-perl libb-debug-perl postgresql-doc locales-all postgresql-doc-11 libjson-perl ri openssl-blacklist isag
The following NEW packages will be installed:
  binutils binutils-common binutils-x86-64-linux-gnu build-essential bundler cpp cpp-8 dpkg-dev fakeroot fonts-lato g++ g++-8 gcc gcc-
  libalgorithm-diff-perl libalgorithm-diff-xs-perl libalgorithm-merge-perl libasan5 libatomic1 libbinutils libblas3 libc-dev-bin libc6
  libgcc-8-dev libgdbm-compat4 libgdbm6 libgfortran5 libgmp-dev libgmpxx4ldbl libgomp1 libicu63 libisl19 libitm1 libjs-jquery liblinea
  libncurses6 libperl5.28 libpq5 libquadmath0 libruby2.5 libsensors4 libstdc++-8-dev libtsan0 libubsan1 libunistring2 libxslt1.1 libya
  nmap nmap-common perl-modules-5.28 postgresql postgresql-11 postgresql-client-11 postgresql-client-common postgresql-common rake rub
  ruby-molinillo ruby-net-http-persistent ruby-net-telnet ruby-power-assert ruby-test-unit ruby-thor ruby-xmlrpc ruby2.5 ruby2.5-dev r
The following packages will be upgraded:
  libc-bin libc6 libgcc1 libidn2-0 liblocale-gettext-perl libssl1.1 libstdc++6 libtext-charwidth-perl libtext-iconv-perl locales perl
12 upgraded, 97 newly installed, 0 to remove and 113 not upgraded.
Need to get 238 MB of archives.
After this operation, 799 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
```

以此种方式安装，也无需在配置psql。可快速部署解决项目。

```
root@John:~# msfconsole


IIIIII    dTb.dTb            _.---.._
  II     4'  v  'B   .'"""'.'/|\`,.'"""'.
  II     6.       .P  :  .' / | \ `.  :
  II     'T;.   .;P'  '.'  /  |  \  `.'
  II      'T; ;P'      `. /   |   \ .'
IIIIII     'YvP'         `-.__|__.-'

I love shells --egypt



       =[ metasploit v4.17.31-dev                     ]
+ -- --=[ 1842 exploits - 1040 auxiliary - 320 post   ]
+ -- --=[ 541 payloads - 44 encoders - 10 nops        ]
+ -- --=[ Free Metasploit Pro trial: http://r-7.co/trymsp ]

msf > search smb

Matching Modules
================


   Name                                               Disclosure Date  Rank    Check  Description
   ----                                               ---------------  ----    -----  -----------
   auxiliary/admin/mssql/mssql_enum_domain_accounts                    normal  No     Microsoft SQL Server SUSER_SNAME Windows Doma
   auxiliary/admin/mssql/mssql_enum_domain_accounts_sqli               normal  No     Microsoft SQL Server SQLi SUSER_SNAME Windows
   auxiliary/admin/mssql/mssql_ntlm_stealer                            normal  Yes    Microsoft SQL Server NTLM Stealer
   auxiliary/admin/mssql/mssql_ntlm_stealer_sqli                       normal  No     Microsoft SQL Server SQLi NTLM Stealer
   auxiliary/admin/oracle/ora_ntlm_stealer             2009-04-07      normal  No     Oracle SMB Relay Code Execution
   auxiliary/admin/smb/check_dir_file                                  normal  Yes    SMB Scanner Check File/Directory Utility
   auxiliary/admin/smb/delete_file                                     normal  Yes    SMB File Delete Utility
   auxiliary/admin/smb/download_file                                   normal  Yes    SMB File Download Utility
   auxiliary/admin/smb/list_directory                                  normal  No     SMB Directory Listing Utility
   auxiliary/admin/smb/ms17_010_command                2017-03-14      normal  Yes    MS17-010 EternalRomance/EternalSynergy/Eterna
   auxiliary/admin/smb/psexec_command                                  normal  Yes    Microsoft Windows Authenticated Administratio
   auxiliary/admin/smb/psexec_ntdsgrab                                 normal  No     PsExec NTDS.dit And SYSTEM Hive Download Util
   auxiliary/admin/smb/samba_symlink_traversal                        normal  No     Samba Symlink Directory Traversal
   auxiliary/admin/smb/upload_file                                     normal  Yes    SMB File Upload Utility
   auxiliary/admin/smb/webexec_command                                 normal  Yes    WebEx Remote Command Execution Utility
   auxiliary/docx/word_unc_injector                                    normal  No     Microsoft Word UNC Path Injector
   auxiliary/dos/samba/read_nttrans_ea_list                           normal  No     Samba read_nttrans_ea_list Integer Overflow
```

sqlmap

```
/usr/bin/zsh
root@John:~# apt-get install sqlmap
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  tcpd
Use 'apt autoremove' to remove it.
The following additional packages will be installed:
  python-magic
The following NEW packages will be installed:
  python-magic sqlmap
0 upgraded, 2 newly installed, 0 to remove and 125 not upgraded.
Need to get 6809 kB of archives.
After this operation, 10.8 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
WARNING: The following packages cannot be authenticated!
  python-magic sqlmap
Install these packages without verification? [y/N] y
Get:1 http://kali.download/kali kali-rolling/main amd64 python-magic all 2:0.4.15-2 [9196 B]
Get:2 http://kali.download/kali kali-rolling/main amd64 sqlmap all 1.2.12-1 [6800 kB]
Fetched 6809 kB in 0s (8010 kB/s)
Selecting previously unselected package python-magic.
(Reading database ... 36003 files and directories currently installed.)
Preparing to unpack .../python-magic_2%3a0.4.15-2_all.deb ...
Unpacking python-magic (2:0.4.15-2) ...
Selecting previously unselected package sqlmap.
Preparing to unpack .../sqlmap_1.2.12-1_all.deb ...
Unpacking sqlmap (1.2.12-1) ...
Setting up python-magic (2:0.4.15-2) ...
Processing triggers for man-db (2.7.6.1-2) ...
Setting up sqlmap (1.2.12-1) ...
root@John:~#
```

在虚拟机，多数存在几点问题

1，配置后，ssh无法连接

2，关于vmtools的问题

3，虚拟机的vpn问题

4，U盘安装kali不能挂载的问题

问题1：

配置SSH：

apt install ssh

nano /etc/ssh/sshd_config

#PasswordAuthentication no   //修改yes

#PermitRootLogin yes   //修改yes

service ssh start   //重启

/etc/init.d/ssh status   //验证

update-rc.d ssh enable   //添加开机重启

//运行ssh root登录

#PermitRootLogin prohibit-password改为PermitRootLogin yes

问题2：

更新源安装vmtool，文件头：

root@john:~# apt-get install open-vm-tools-desktop fuse

root@john:~#apt-cache search linux-headers //安装头文件

root@john:~#apt-get install linux-image-4.9.0-kali3-amd64

root@john:~#apt-get install linux-image-4.9.0   //

root@john:~#apt-get install linux-headers-4.9.0-kali4-amd64   //重启

root@john:~# apt-get install linux-headers-$(uname -r)   //kali2.0以后vmtools不需要安装

问题3：

安装各种VPN：

apt-get install -y pptpd network-manager-openvpn network-manager-openvpn-gnome network-manager-pptp network-manager-pptp-gnome network-manager-strongswan network-manager-vpnc network-manager-vpnc-gnome

重启网卡即可。

问题4：

Kali U盘安装不能挂载：

第一步:df -m

此时会看到挂载信息，最下面的是/dev/XXX /media

这个是U盘设备挂载到了/media，导致cd-rom不能被挂载。

第二步:umount /media

上面那个国外的解决方案还要继续mount /dev/XXX /cd-rom

但本机测试不用自己挂载，安装程序会自己挂载。自己挂载反而会引起后面出现GRUB安装失败。

第三步：exit

退出命令窗口后，返回之前的语言选择，继续安装，现在不会再出现cd-rom无法挂载的情况了，安装顺利完成

在vps配置并更新好以上源时，按照项目或者任务在安装其他相关工具辅助。当不确定或者对某些工具遗忘时，可如下操作：


```
root@john:~# apt-cache show kali-linux-web
Package: kali-linux-web
Source: kali-meta
Version: 2019.1.1
Architecture: amd64
Maintainer: Raphaël Hertzog <hertzog@debian.org>
Installed-Size: 13
Depends: kali-linux, apache2, apache-users, arachni, automater, bbqsql, beef-xss, blindelephant, burpsuite, cadaver, clusterd, cookie-cadger, cutycapt, davtest, dirb, dirbuster, dnmap, dotdotpwn, eyewitness, f
tester, funkload, golismero, grabber, python-halberd, hamster-sidejack, hexorbase, httprint, httrack, hydra, hydra-gtk, jboss-autopwn, joomscan, jsql-injection, laudanum, lbd, maltego, maltego-teeth, medusa, m
itmproxy, default-mysql-server, ncrack, nikto, nishang, nmap, oscanner, owasp-mantra-ff, padbuster, paros, patator, php, php-mysql, plecost, powerfuzzer, proxychains, proxystrike, proxytunnel, redsocks, sidgue
sser, siege, skipfish, slowhttptest, sqldict, sqlitebrowser, sqlmap, sqlninja, sqlsus, sslcaudit, ssldump, sslh, sslscan, sslsniff, sslstrip, sslsplit, sslyze, stunnel4, thc-ssl-dos, tlssled, tnscmd10g, ua-tes
ter, uniscan, wafw00f, wapiti, webacoo, webhandler, webscarab, webshells, weevely, wfuzz, whatweb, wireshark, wpscan, xsser, zaproxy
Homepage: http://www.kali.org
Priority: optional
Section: metapackages
Filename: pool/main/k/kali-meta/kali-linux-web_2019.1.1_amd64.deb
Size: 8172
SHA256: 98c137283e97d9c7d0e873b28867da2244910d0ef84334430a61f72d64c13588
SHA1: 3598a5085f34f3344c86ddb116e1301ec5c9451b
MD5sum: 095b2e383ca0a1ba9d6f996c588815ea
Description: Kali Linux webapp assessment tools
 This is Kali Linux, the most advanced penetration testing and security
 auditing distribution.
 .
 This metapackage depends on all the webapp assessment tools that Kali Linux
 provides.
Description-md5: 0de96d2dd39100eff69d84e002b71196
```



```
root@john:~# apt-cache search kali-linux
kali-linux - Kali Linux base system
kali-linux-all - Kali Linux - all packages
kali-linux-forensic - Kali Linux forensic tools
kali-linux-full - Kali Linux complete system
kali-linux-gpu - Kali Linux GPU tools
kali-linux-nethunter - Kali Linux Nethunter tools
kali-linux-pwtools - Kali Linux password cracking tools
kali-linux-rfid - Kali Linux RFID tools
kali-linux-sdr - Kali Linux SDR tools
kali-linux-top10 - Kali Linux Top 10 tools
kali-linux-voip - Kali Linux VoIP tools
kali-linux-web - Kali Linux webapp assessment tools
kali-linux-wireless - Kali Linux wireless tools
root@john:~#
```



```
root@john:~# apt-cache show kali-linux-web
Package: kali-linux-web
Source: kali-meta
Version: 2019.1.1
Architecture: amd64
Maintainer: Raphaël Hertzog <hertzog@debian.org>
Installed-Size: 13
Depends: kali-linux, apache2, apache-users, arachni, automater, bbqsql, beef-xss, blindelephant, burpsuite, cadaver, clusterd, cookie-cadger, cutycapt, davtest, dirb, dirbuster, dnmap, dotdotpwn, eyewitness, f
tester, funkload, golismero, grabber, python-halberd, hamster-sidejack, hexorbase, httprint, httrack, hydra, hydra-gtk, jboss-autopwn, joomscan, jsql-injection, laudanum, lbd, maltego, maltego-teeth, medusa, m
itmproxy, default-mysql-server, ncrack, nikto, nishang, nmap, oscanner, owasp-mantra-ff, padbuster, paros, patator, php, php-mysql, plecost, powerfuzzer, proxychains, proxystrike, proxytunnel, redsocks, sidgue
sser, siege, skipfish, slowhttptest, sqldict, sqlitebrowser, sqlmap, sqlninja, sqlsus, sslcaudit, ssldump, sslh, sslscan, sslsniff, sslstrip, sslsplit, sslyze, stunnel4, thc-ssl-dos, tlssled, tnscmd10g, ua-tes
ter, uniscan, wafw00f, wapiti, webacoo, webhandler, webscarab, webshells, weevely, wfuzz, whatweb, wireshark, wpscan, xsser, zaproxy
Homepage: http://www.kali.org
Priority: optional
Section: metapackages
Filename: pool/main/k/kali-meta/kali-linux-web_2019.1.1_amd64.deb
Size: 8172
SHA256: 98c137283e97d9c7d0e873b28867da2244910d0ef84334430a61f72d64c13588
SHA1: 3598a5085f34f3344c86ddb116e1301ec5c9451b
MD5sum: 095b2e383ca0a1ba9d6f996c588815ea
Description: Kali Linux webapp assessment tools
 This is Kali Linux, the most advanced penetration testing and security
 auditing distribution.
 .
 This metapackage depends on all the webapp assessment tools that Kali Linux
 provides.
Description-md5: 0de96d2dd39100eff69d84e002b71196
root@john:~#
```

```
root@John:~# apt-get install zsh
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following package was automatically installed and is no longer required:
  tcpd
Use 'apt autoremove' to remove it.
The following additional packages will be installed:
  libncursesw6 libtinfo6 zsh-common
Suggested packages:
  zsh-doc
The following NEW packages will be installed:
  libncursesw6 libtinfo6 zsh zsh-common
0 upgraded, 4 newly installed, 0 to remove and 125 not upgraded.
Need to get 5085 kB of archives.
After this operation, 17.9 MB of additional disk space will be used.
Do you want to continue? [Y/n]
```

配置zsh：

sh -c "$(curl -fsSL https://raw.githubusercontent.com/robbyrussell/oh-my-zsh/master/tools/install.sh)"

chsh -s `which zsh`　　　　//设置默认为zsh

cat /etc/shells　　　//查看当前安装的shell

echo $SHELL　　　//查看当前使用shells

```
root@John:~# sh -c "$(curl -fsSL https://raw.githubusercontent.com/robbyrussell/oh-my-zsh/master/tools/install.sh)"
Cloning Oh My Zsh...
Cloning into '/root/.oh-my-zsh'...
remote: Enumerating objects: 991, done.
remote: Counting objects: 100% (991/991), done.
remote: Compressing objects: 100% (911/911), done.
remote: Total 991 (delta 23), reused 840 (delta 16), pack-reused 0
Receiving objects: 100% (991/991), 640.31 KiB | 7.28 MiB/s, done.
Resolving deltas: 100% (23/23), done.
Looking for an existing zsh config...
Using the Oh My Zsh template file and adding it to ~/.zshrc
Time to change your default shell to zsh!

       __                                     __
  ____  / /_     ____ ___  __  __   ____ ____  / /_
 / __ \/ __ \   / __ `__ \/ / / /  /_  / / ___/ __ \
/ /_/ / / / /  / / / / / / /_/ /    / /_(__  ) / / /
\____/_/ /_/  /_/ /_/ /_/\__, /    /___/____/_/ /_/
                        /____/                       ....is now installed!


Please look over the ~/.zshrc file to select plugins, themes, and options.

p.s. Follow us at https://twitter.com/ohmyzsh.

p.p.s. Get stickers and t-shirts at https://shop.planetargon.com.

?  ~
```

如果是vps不建议安装oh-my-zsh，很多国外的vps延迟较多。我是配置zsh。

wget https://raw.githubusercontent.com/skywind3000/vim/master/etc/zshrc.zsh

把上面下载的文件复制粘贴到你的 ~/.zshrc 文件里，保存，运行 zsh 即可。头一次运行会安装一些依赖包，稍等两分钟，以后再进入就瞬间进入了。

```
root@John:~# echo $SHELL
/usr/bin/zsh
root@John:~#
```

如果不能tab补全：

nano /root/.bashrc

跳到最后一行

添加：

if [-f /etc/bash_completion] && ! shopt -oq posix; then

　　. /etc/bash_completion

fi

为msf payload添加第三方框架：（这未来会详细讲述，次季，仅是安装）

root@John:~# apt-get install veil-evasion

```
root@John:~# apt-get install veil-evasion
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  dh-python libperl5.24 libpython3.5-minimal libpython3.5-stdlib python3-distutils python3-lib2to3 python3.5 python3.5-minimal rem
Use 'apt autoremove' to remove them.
The following additional packages will be installed:
  acl apt apt-utils binfmt-support binutils-mingw-w64-i686 binutils-mingw-w64-x86-64 ca-certificates-mono cli-common fontconfig fo
  g++-mingw-w64 g++-mingw-w64-i686 g++-mingw-w64-x86-64 gcc-mingw-w64 gcc-mingw-w64-base gcc-mingw-w64-i686 gcc-mingw-w64-x86-64 g
  libasound2 libasound2-data libasound2-plugins libasyncns0 libavahi-client3 libavahi-common-data libavahi-common3 libavcodec58 li
  libcdparanoia0 libcodec2-0.8.1 libcroco3 libcrystalhd3 libcups2 libdatrie1 libdrm-amdgpu1 libdrm-common libdrm-intel1 libdrm-nou
  libfribidi0 libgd3 libgdk-pixbuf2.0-0 libgdk-pixbuf2.0-bin libgdk-pixbuf2.0-common libgl1 libgl1-mesa-dri libglapi-mesa libglu1-
  libgphoto2-port12 libgraphite2-3 libgsm1 libgstreamer-plugins-base1.0-0 libgstreamer1.0-0 libharfbuzz0b libice6 libieee1284-3 li
  libmono-corlib4.5-cil libmono-csharp4.0c-cil libmono-i18n-west4.0-cil libmono-i18n4.0-cil libmono-microsoft-csharp4.0-cil libmon
  libmono-system-configuration4.0-cil libmono-system-core4.0-cil libmono-system-security4.0-cil libmono-system-xml4.0-cil libmono-
  libopenal1 libopenjp2-7 libopus0 liborc-0.4-0 libosmesa6 libpam-cap libpango-1.0-0 libpangocairo-1.0-0 libpangoft2-1.0-0 libpcia
  libpython3.6-stdlib librsvg2-2 librsvg2-common libsamplerate0 libsane libsane-common libsdl2-2.0-0 libshine3 libsm6 libsnappy1v5
  libswresample3 libthai-data libthai0 libtheora0 libtiff5 libtwolame0 libusb-1.0-0 libv4l-0 libv4lconvert0 libva-drm2 libva-x11-2
  libvorbisenc2 libvpx5 libvulkan1 libwavpack1 libwayland-client0 libwayland-cursor0 libwayland-egl1 libwebp6 libwebpmux3 libwine
  libxcb-glx0 libxcb-present0 libxcb-render0 libxcb-shm0 libxcb-sync1 libxcb-xfixes0 libxcomposite1 libxcursor1 libxdamage1 libxfi
  libxshmfence1 libxss1 libxtst6 libxvidcore4 libxxf86vm1 libzstd1 libzvbi-common libzvbi0 mesa-va-drivers mesa-vdpau-drivers ming
  mono-4.0-gac mono-gac mono-mcs mono-runtime mono-runtime-common mono-runtime-sgen ocl-icd-libopencl1 pkg-config python3 python3-
  python3-pycurl python3.6 python3.6-minimal sane-utils update-inetd va-driver-all vdpau-driver-all veil wine wine64 x11-common
Suggested packages:
  apt-doc aptitude | synaptic | wajig gcc-7-locales gvfs i965-va-driver-shaders alsa-utils firmware-crystalhd cups-common libgd-to
  liblcms2-utils libmono-i18n4.0-all libgamin0 libmyodbc odbc-postgresql tdsodbc unixodbc-bin libportaudio2 opus-tools pulseaudio
  cups-bsd ttf-mscorefonts-installer xdg-utils | libgnome2-0 | konqueror opencl-icd python3-doc python3-tk python3-venv python3-ap
  python-pycurl-doc python3-pycurl-dbg python3.6-venv python3.6-doc unpaper nvidia-vdpau-driver nvidia-legacy-340xx-vdpau-driver n
  wine-binfmt dosbox wine64-preloader
Recommended packages:
```

```
root@John:~# veil
  =============================================================================
                   Veil (Setup Script) | [Updated]: 2018-05-08
  =============================================================================
        [Web]: https://www.veil-framework.com/ | [Twitter]: @VeilFramework
  =============================================================================

                    os = kali
             osversion = 2019.1
          osmajversion = 2019
                  arch = x86_64
              trueuser = root
       userprimarygroup = root
            userhomedir = /root
                rootdir = /usr/share/veil
                veildir = /var/lib/veil
              outputdir = /var/lib/veil/output
        dependenciesdir = /var/lib/veil/setup-dependencies
                winedir = /var/lib/veil/wine
              winedrive = /var/lib/veil/wine/drive_c
                gempath = Z:\var\lib\veil\wine\drive_c\Ruby187\bin\gem

  [I] Kali Linux 2019.1 x86_64 detected...


  [?] Are you sure you wish to install Veil?

      Continue with installation? ([y]es/[s]ilent/[N]o): y



  [*] Initializing package installation



  [*] Pulling down binary dependencies

  [*] Empty folder... git cloning

Cloning into '/var/lib/veil/setup-dependencies'...
remote: Enumerating objects: 12, done.
Unpacking objects:  66% (8/12)
```

至此vps上的msf的初级配置结束。

注：部分vps上没有安装mlocate，安装即可。

```
root@John:/tmp# locate
zsh: command not found: locate
root@John:/tmp# apt-get install mlocate
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following packages were automatically installed and are no longer required:
  dh-python libperl5.24 libpython3.5-minimal libpython3.5-stdlib python3-distutils python3-lib2to3 python3.5 python3.5-minimal rename tcpd
Use 'apt autoremove' to remove them.
Suggested packages:
  nocache
The following NEW packages will be installed:
  mlocate
0 upgraded, 1 newly installed, 0 to remove and 102 not upgraded.
Need to get 97.7 kB of archives.
After this operation, 504 kB of additional disk space will be used.
WARNING: The following packages cannot be authenticated!
  mlocate
Install these packages without verification? [y/N] y
Get:1 http://kali.download/kali kali-rolling/main amd64 mlocate amd64 0.26-3 [97.7 kB]
Fetched 97.7 kB in 1s (184 kB/s)
Selecting previously unselected package mlocate.
(Reading database ... 104514 files and directories currently installed.)
Preparing to unpack .../mlocate_0.26-3_amd64.deb ...
Unpacking mlocate (0.26-3) ...
Setting up mlocate (0.26-3) ...
update-alternatives: using /usr/bin/mlocate to provide /usr/bin/locate (locate) in auto mode
Adding group `mlocate' (GID 116) ...
Done.
Processing triggers for man-db (2.7.6.1-2) ...
root@John:/tmp#
```

- Micropoor