# metasploit5 安装与配置

# -- By Menthol

## 1, 首先 git

sudo git clone https://github.com/rapid7/metasploit-framework /opt/metasploit-framework

```
root@ubuntu:~# is
root@ubuntu:~# sudo git clone https://github.com/rapid7/metasploit-framework /opt/metasploit-framework
Cloning into '/opt/metasploit-framework'...
remote: Counting objects: 437024, done.
remote: Compressing objects: 100% (41/41), done.
Receiving objects: 44% (192628/437024), 165.37 MiB | 35.00 KiB/s
```

#### 2, 安装所需要的依赖

sudo apt-get -y install \autoconf \bison \build-essential \curl \git-core \ libapr1 \ libaprutil1 \ libcurl4-openssl-dev \ libgmp3-dev \ libpcap-dev \ libpq-dev \ libreadline6-dev \ libsqlite3-dev \ libssl-dev \ libsvn1 \ libtool \ libxml2 \ libxml2-dev \ libyaml-dev \ libyaml-dev \ locate \ ncurses-dev \ openssl \ postgresql \postgresql-contrib \ wget \ xsel \zlib1g-dev

```
> postgresql \
> postgresql-contrib \
> wget \
> xsel \
> zliblg \
> zliblg dev
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'libxsltl-dev' instead of 'libxslt-dev'
Note, selecting 'libincurses5-dev' instead of 'ncurses-dev'
libxml2 is already the newest version (2.9.3+dfsgl-lubuntu0.5).
libxml2 set to manually installed.
openssl is already the newest version (1.0.2g-lubuntu4.10).
postgresql is already the newest version (9.5+173ubuntu0.1).
wget is already the newest version (1.17.1-lubuntu1.3).
```

#### 3, 安装 Ruby 和 bundler

```
menthol@ubuntu:/opt$ sudo gem install bundler
[sudo] password for menthol:
Fetching: bundler-1.16.1.gem (100%)
Successfully installed bundler-1.16.1
Parsing documentation for bundler-1.16.1
Installing ri documentation for bundler-1.16.1
Done installing documentation for bundler after 5 seconds
1 gem installed
```

```
menthol@ubuntu:/opt$ ruby -v
ruby 2.3.1p112 (2016-04-26) [x86_64-linux-gnu]
menthol@ubuntu:/opt$
```

4, 切换到 metasploit-framework 目录下

5, 执行 bundle install,可能会报错,你要确定是否有权限。并且最好不使用 root 权限执行。 这里要对执行该操作的用户的家目录下的.bundle 目录有完全的写权限。

```
需要特殊权限时会自己申请

CONTRIBUTING.md db Dockertle Gentile.Local.example menthol@ubuntu:/opt/metasploit-framework$ bundle install Fetching gem metadata from https://rubygems.org/.....

Your user account isn't allowed to install to the system RubyGems.
You can cancel this installation and run:

bundle install --path vendor/bundle

to install the gems into ./vendor/bundle/, or you can enter your password and install the bundled gems to RubyGems using sudo.

Password:

Password
```

6, 可能还会报一下的错误信息

此时执行 sudo apt-get intall ruby-dev bundle install --path vendor/bundle gem install nokogiri -v '1.8.2'

```
Installing fivemet 1.3.6
Fetching hashery 2.1.2
Fetching rkelly-remix 0.0.7
Finstalling jsobfu 0.4.2
Installing jsobfu 0.4.2
Installing jsobfu 0.4.2
Installing jsobfu 0.4.2
Fetching jsobfu 0.4.2
Fetching jsobfu 0.4.2
Installing jsobfu 0.4.3
Installing jsobfu 0.4.3
Installing jsobfu 0.4.3
Installing metasm 1.0.3
Installing metasm 1.0.3
Installing metasm 1.0.3
Fetching metasm 1.0.3
Fetching metasploit-concern 2.0.5
Fetching metasploit-model 2.0.4
Installing metasploit-model 2.0.4
Fetching metasploit-model 2.0.4
Fetching pg 0.20.0 with native extensions
Fetching pg array parser 0.0.9
Installing pg array parser 0.0.9
Installing pg array parser 0.0.9
Installing postgres_ext 3.0.0
Fetching recog 2.1.18
Installing recog 2.1.18
Fetching metasploit_data_models 2.0.16
Fetching rex-core 0.1.13
Installing rex-core 0.1.13
Installing rex-core 0.1.13
Installing rex-socket 0.1.10
Installing rubynthm 0.6.2
Installing rubynthm 0.6.2
Fetching rubyrip 1.2.1
```

## 7, 完成安装

```
Bundled gems are installed into `./vendor/bundle'
Post-install message from dnsruby:
Installing dnsruby...
For issues and source code: https://github.com/alexdalitz/dnsruby
For general discussion (please tell us how you use dnsruby): https://groups.google.com/forum/#!forum/
Post-install message from openssl-ccm:
Thanks for installing!
Post-install message from yard:

As of YARD v0.9.2:
RubyGems "--document=yri,yard" hooks are now supported. You can auto-configure
YARD to automatically build the yri index for installed gems by typing:

$ yard config --gem-install-yri

See `yard config --help` for more information on RubyGems install hooks.

You can also add the following to your .gemspec to have YARD document your gem
on install:

spec.metadata["yard.run"] = "yri" # use "yard" to build full HTML docs.
```

#### 8, 启动界面

9, 配置 PostgreSQL 数据库,启动并设置密码

启动 sudo -u postgres psql 设置密码 ALTER USER postgres WITH PASSWORD '123456';

```
menthol@ubuntu:~$ sudo -u postgres psql
[sudo] password for menthol:
psql (9.5.12)
Type "help" for help.

postgres=# ALTER USER postgres WITH PASSWORD '123456';
ALTER ROLE
postgres=#
```

10, 创建新用户和新数据库

create user "msf5" with password '123456' nocreatedb; create database "msf5" with owner="msf5"; 按\q 退出。

```
postgres=# create user "msf5" with password '123456' nocreatedb;
CREATE ROLE
postgres=# create database "msf5" with owner="msf5";
CREATE DATABASE
postgres=#
```

11, 编辑 database.yml

```
menthol@ubuntu:/opt/metasploit-framework/config$ ls
application.rb cucumber.yml database.yml.travis environment.rb
boot.rb database.yml.example database.yml.vagrant environments
menthol@ubuntu:/opt/metasploit-framework/config$ 
menthol@ubuntu:/opt/metasploit-framework/config$ sudo cp database.yml.example ./database.yml
[sudo] password for menthol:
menthol@ubuntu:/opt/metasploit-framework/config$ ls
application.rb cucumber.yml database.yml.example database.yml.vagrant environments
boot.rb database.yml database.yml.travis environment.rb
menthol@ubuntu:/opt/metasploit-framework/config$
```

```
development: &pgsql
  adapter: postgresql
  database: msf5
  username: msf5
  password:
  host: localhost
  port:
  pool:
  timeout: 5
# You will often want to seperate your databases between dev
# mode and prod mode. Absent a production db, though, defaultin
# to dev is pretty sensible for many developer-users.
production: &production
# Warning: The database defined as "test" will be erased and
# re-generated from your development database when you run "rak
# Do not set this db to the same as development or production.
# Note also, sqlite3 is totally unsupported by Metasploit now.
test:
  database: metasploit_framework_test
  username: metasploit framework test
  password:
-- INSERT --
```

12, 保存退出,启动 msf5 查看数据库的连接状态,正常连接。