

SeMF 安装指南

1 基础环境安装（这里已 centos7.5 作为示例）

1.1 Python 安装

安装相关软件

```
yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel  
readline-devel tk-devel gcc make
```

```
[manage@bogon ~]$ yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel readline-devel tk-devel gcc make
Loaded plugins: fastestmirror
You need to be root to perform this command.
[manage@bogon ~]$ su root
Password:
[root@bogon manage]# yum install zlib-devel bzip2-devel openssl-devel ncurses-devel sqlite-devel readline-devel tk-devel gcc make
Loaded plugins: fastestmirror
base                                     | 3.6 kB  00:00:00
extras                                 | 3.4 kB  00:00:00
updates                                | 3.4 kB  00:00:00
updates/7/x86_64/primary_db            FAILED
http://mirrors.shu.edu.cn/centos/7.5.1804/updates/x86_64/repodata/d9936a2e437496346fb75c5c08f85346771ba1644a8714f472e164e1d4c7ccdf-primary.sqlite.b
z2: [Errno 14] curl#7 - "Failed connect to mirrors.shu.edu.cn:80; Connection refused"
Trying other mirror.
(1/4): extras/7/x86_64/primary_db       | 147 kB  00:00:00
(2/4): base/7/x86_64/group_gz          | 166 kB  00:00:00
(3/4): updates/7/x86_64/primary_db     | 2.0 MB  00:00:00
(4/4): base/7/x86_64/primary_db        | 5.9 MB  00:00:00
Determining fastest mirrors
 * base: mirrors.aliyun.com
 * extras: mirrors.tuna.tsinghua.edu.cn
 * updates: mirrors.tuna.tsinghua.edu.cn
Package 1:make-3.82-23.el7.x86_64 already installed and latest version
Resolving Dependencies
```

切换 tmp 路径（免去删除过程文件，重启自动删除）

下载 python3 安装包，这里我选择的是 3.6.5

```
yum install wget -y
```

```
wget https://www.python.org/ftp/python/3.6.5/Python-3.6.5.tar.xz
```

```
[root@bogon manage]# cd /tmp
[root@bogon tmp]# wget https://www.python.org/ftp/python/3.6.5/Python-3.6.5.tar.xz
bash: wget: command not found
[root@bogon tmp]# yum install wget
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: mirrors.aliyun.com
 * extras: mirrors.tuna.tsinghua.edu.cn
 * updates: mirrors.tuna.tsinghua.edu.cn
Resolving Dependencies
--> Running transaction check
--> Package wget.x86_64 0:1.14-15.el7_4.1 will be installed
--> Finished Dependency Resolution
```

解压文件包

```
tar -xvJf Python-3.6.5.tar.xz
```

```
cd Python-3.6.5
```

编译安装

```
./configure prefix=/usr/local/python3
```

```
make && make install
```

```
[root@bogon tmp]# ls
Python-3.6.5  systemd-private-7a01e384632f49e0bd4443f5f508c185-vgaauthd.service-hhxbqz
Python-3.6.5.tar.xz  systemd-private-7a01e384632f49e0bd4443f5f508c185-vmttoolsd.service-Pvd9y1
[root@bogon tmp]# cd Python-3.6.5
[root@bogon Python-3.6.5]# ls
aclocal.m4  config.sub  configure.ac  Grammar  install-sh  LICENSE  Makefile.pre.in  Modules  Parser  PCbuild  pyconfig.h.in  README.rst  Tools
config.guess  configure  Doc  Include  Lib  Mac  Misc  Objects  PC  Programs  Python  setup.py
[root@bogon Python-3.6.5]# ./configure prefix=/usr/local/python3
checking build system type... x86_64-pc-linux-gnu
checking host system type... x86_64-pc-linux-gnu
checking for python3.6... no
checking for python3... no
checking for python... python
checking for --enable-universalsdk... no
checking for --with-universal-archs... no
```

创建软链接

```
ln -s /usr/local/python3/bin/python3 /usr/bin/python3
```

```
[root@bogon Python-3.6.5]# ln -s /usr/local/python3/bin/python3 /usr/bin/python3
[root@bogon Python-3.6.5]# python
Python 2.7.5 (default, Aug 4 2017, 00:39:18)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-16)] on linux2
Type "help", "copyright", "credits" or "license" for more information.
>>> exit()
[root@bogon Python-3.6.5]# python3
Python 3.6.5 (default, Jun 4 2018, 07:04:43)
[GCC 4.8.5 20150623 (Red Hat 4.8.5-28)] on linux
Type "help", "copyright", "credits" or "license" for more information.
>>> []
```

1.2 Rabbitmq 安装

下载 erlang

wget

http://www.rabbitmq.com/releases/erlang/erlang-19.0.4-1.el7.centos.x86_64.rpm

```
[root@bogon Python-3.6.5]# cd ..
[root@bogon tmp]# wget http://www.rabbitmq.com/releases/erlang/erlang-19.0.4-1.el7.centos.x86_64.rpm
--2018-06-04 07:10:49-- http://www.rabbitmq.com/releases/erlang/erlang-19.0.4-1.el7.centos.x86_64.rpm
Resolving www.rabbitmq.com (www.rabbitmq.com)... 104.20.63.197, 104.20.62.197, 2400:cb00:2048:1::6814:3fc5, ...
Connecting to www.rabbitmq.com (www.rabbitmq.com)|104.20.63.197|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 18580960 (18M) [application/x-redhat-package-manager]
Saving to: 'erlang-19.0.4-1.el7.centos.x86_64.rpm'

100%[=====] 18,580,960  9.66MB/s  in 1.8s

2018-06-04 07:10:51 (9.66 MB/s) - 'erlang-19.0.4-1.el7.centos.x86_64.rpm' saved [18580960/18580960]

[root@bogon tmp]#
```

安装 rpm

rpm -ivh erlang-19.0.4-1.el7.centos.x86_64.rpm

yum -y install erlang

```
[root@bogon tmp]# rpm -ivh erlang-19.0.4-1.el7.centos.x86_64.rpm
Preparing...                               ##### [100%]
Updating / installing...
 1:erlang-19.0.4-1.el7.centos               ##### [100%]
[root@bogon tmp]#
```

查看版本:

erl -version

```
[root@bogon tmp]# erl -version
Erlang (SMP,ASYNC_THREADS,HIPE) (BEAM) emulator version 8.0.3
[root@bogon tmp]#
```

下载 rabbitmq

wget

<http://www.rabbitmq.com/releases/rabbitmq-server/v3.6.9/rabbitmq-server-3.6.9-1.el7.noarch.rpm>

```
[root@bogon tmp]# wget http://www.rabbitmq.com/releases/rabbitmq-server/v3.6.9/rabbitmq-server-3.6.9-1.el7.noarch.rpm
--2018-06-04 07:16:15-- http://www.rabbitmq.com/releases/rabbitmq-server/v3.6.9/rabbitmq-server-3.6.9-1.el7.noarch.rpm
Resolving www.rabbitmq.com (www.rabbitmq.com)... 104.20.63.197, 104.20.62.197, 2400:cb00:2048:1::6814:3ec5, ...
Connecting to www.rabbitmq.com (www.rabbitmq.com)|104.20.63.197|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4918617 (4.7M) [application/x-redhat-package-manager]
Saving to: 'rabbitmq-server-3.6.9-1.el7.noarch.rpm'

100%[=====] 4,918,617  1.83MB/s

2018-06-04 07:16:18 (1.83 MB/s) - 'rabbitmq-server-3.6.9-1.el7.noarch.rpm' saved [4918617/4918617]

[root@bogon tmp]#
```

安装 rabbitmq

yum install rabbitmq-server-3.6.9-1.el7.noarch.rpm

```
[root@bogon tmp]# yum install rabbitmq-server-3.6.9-1.el7.noarch.rpm
Loaded plugins: fastestmirror
Examining rabbitmq-server-3.6.9-1.el7.noarch.rpm: rabbitmq-server-3.6.9-1.el7.noarch
Marking rabbitmq-server-3.6.9-1.el7.noarch.rpm to be installed
Resolving Dependencies
--> Running transaction check
--> Package rabbitmq-server.noarch 0:3.6.9-1.el7 will be installed
--> Processing Dependency: socat for package: rabbitmq-server-3.6.9-1.el7.noarch
Loading mirror speeds from cached hostfile
* base: mirrors.aliyun.com
* extras: mirrors.tuna.tsinghua.edu.cn
* updates: mirrors.tuna.tsinghua.edu.cn
--> Running transaction check
--> Package socat.x86_64 0:1.7.3.2-2.el7 will be installed
--> Finished Dependency Resolution

Dependencies Resolved
```

启动 rabbitmq

service rabbitmq-server start

开启 web 端

rabbitmq-plugins enable rabbitmq_management

```
[root@bogon tmp]# service rabbitmq-server start
Redirecting to /bin/systemctl start rabbitmq-server.service
[root@bogon tmp]# rabbitmq-plugins enable rabbitmq_management
The following plugins have been enabled:
  amqp_client
  cowlib
  cowboy
  rabbitmq_web_dispatch
  rabbitmq_management_agent
  rabbitmq_management

Applying plugin configuration to rabbit@bogon... started 6 plugins.
[root@bogon tmp]#
```

添加用户

rabbitmqctl add_user <user> pwd

添加 vhost

rabbitmqctl add_vhost vhost

设置标签

rabbitmqctl set_user_tags User Tag[administrator, monitoring, policymaker, management]

设置权限

rabbitmqctl set_permissions -p vhost <user> ".*" ".*" ".*" (<conf> <write> <read>, 正则表达式, '.*'表示所有权限)

```
Applying plugin configuration to rabbit@bogon... started 6 plugins.
[root@bogon tmp]# rabbitmqctl add_user test test23
Creating user "test" ...
[root@bogon tmp]# rabbitmqctl add_vhost semf
Creating vhost "semf" ...
[root@bogon tmp]# rabbitmqctl set_user_tags test administrator
Setting tags for user "test" to [administrator] ...
[root@bogon tmp]# rabbitmqctl set_permissions -p semf test ".*" ".*" ".*"
Setting permissions for user "test" in vhost "semf" ...
[root@bogon tmp]#
```

1.3 安装 nmap

yum install nmap

1.4 防火墙设置

开放端口

firewall-cmd --zone=public --add-port=5672/tcp --permanent //rabbitmq api 端口

firewall-cmd --zone=public --add-port=15672/tcp --permanent //rabbitmq web 端口

firewall-cmd --reload //刷新防火墙规则

firewall-cmd --zone=public --list-ports //查看所有开放端口

```
[root@bogon tmp]# firewall-cmd --zone=public --add-port=5672/tcp --permanent
success
[root@bogon tmp]#
[root@bogon tmp]# firewall-cmd --zone=public --add-port=15672/tcp --permanent
success
[root@bogon tmp]# firewall-cmd --reload
success
[root@bogon tmp]# firewall-cmd --zone=public --list-ports
5672/tcp 15672/tcp
[root@bogon tmp]#
```

systemctl stop firewalld.service //关闭防火墙, 生产环境不建议使用

2 应用程序安装

2.1 应用安装

创建项目路径

mkdir SeMF

cd SeMF

```
[manage@bogon ~]$ mkdir SeMF
[manage@bogon ~]$ ls
SeMF
[manage@bogon ~]$ cd SeMF
[manage@bogon SeMF]$
```

克隆项目

git clone <https://gitee.com/gy071089/SecurityManageFramwork.git>

```
[manage@bogon SeMF]$ git clone "https://gitee.com/gy071089/SecurityManageFramwork.git"
Cloning into 'SecurityManageFramwork'...
remote: Counting objects: 614, done.
remote: Compressing objects: 100% (375/375), done.
remote: Total 614 (delta 282), reused 464 (delta 207)
Receiving objects: 100% (614/614), 7.91 MiB | 2.17 MiB/s, done.
Resolving deltas: 100% (282/282), done.
```

进入项目目录:

```
[manage@bogon SeMF]$ ls
SecurityManageFramwork
[manage@bogon SeMF]$ cd SecurityManageFramwork/
[manage@bogon SecurityManageFramwork]$ ls
ArticleManage  ChartManage  cnvd_xml.py  initdata.py  logs  MappedManage  RBAC  requirements.txt  SeMFSetting  TaskManage  VulnManage
AssetManage    cnvd_xml     files        LICENSE       manage.py  NoticeManage  README.md  SeMF           static        templates
```

更改 setting 文件

cd SeMF

vi settings.py

```
[manage@bogon SeMF]$ cd SecurityManageFramwork/
[manage@bogon SecurityManageFramwork]$ ls
ArticleManage  ChartManage  cnvd_xml.py  initdata.py  logs  MappedManage  RBAC  requirements.txt  SeMFSetting  TaskManage  VulnManage
AssetManage    cnvd_xml     files        LICENSE       manage.py  NoticeManage  README.md  SeMF           static        templates
[manage@bogon SecurityManageFramwork]$ cd SeMF
[manage@bogon SeMF]$ vi settings.py

#coding:utf-8
Django settings for SeMF project.
Generated by 'django-admin startproject' using Django 2.0.4.
For more information on this file, see
https://docs.djangoproject.com/en/2.0/topics/settings/
```

更改如下信息:

EMAIL 相关为你邮箱的相关信息, 参照注释进行修改

BROKER_URL 是你之前安装 rabbitmq 设置的账号和密码, 详情参考 1.2 章

```
#设置邮箱
#设置邮箱
EMAIL_HOST = 'smtp-mail.outlook.com'          #SMTP地址
EMAIL_PORT = 25                               #SMTP端口
EMAIL_HOST_USER = 'xxxx@xxx.com'              #我自己的邮箱
EMAIL_HOST_PASSWORD = 'password3'             #我的邮箱密码
EMAIL_SUBJECT_PREFIX = u'[SeMF]'              #为邮件Subject-line前缀, 默认是'[django]'
EMAIL_USE_TLS = True                          #与SMTP服务器通信时, 是否启动TLS链接(安全链接)。默认是false
#管理员站点
SERVER_EMAIL = 'xxxxx'
DEFAULT_FROM_EMAIL = '安全管控平台<Se@outlook.com>'

#设置队列存储
BROKER_URL = 'amqp://test:test23@localhost/semf'
CELERY_ACCEPT_CONTENT = ['pickle', 'json', 'msgpack', 'yaml']
```

数据库设置

这里的话, 需要注意, 默认是 sqlite, 也可以选用 mysql, 注意使用 mysql 创建数据库时, 名称要与 NAME 一致, 且字符类型为 utf-8

```
# Database
# https://docs.djangoproject.com/en/2.0/ref/settings/#databases

DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.sqlite3',
        'NAME': os.path.join(BASE_DIR, 'db.sqlite3'),
    }
}

...

#设置mysql数据配置信息
DATABASES = {
    'default': {
        'ENGINE': 'django.db.backends.mysql',
        'NAME': 'SeMF',
        'USER': 'username',
        'PASSWORD': 'password',
        'HOST': 'XX.XX.XX.XX',
        'PORT': '3306',
        'OPTIONS': {
            'init_command': "SET sql_mode='STRICT_TRANS_TABLES' ",
            'charset': 'utf8',
        }
    }
}

...
```

设置完成后，切换到项目根目录，
使用管理员权限安装依赖组件

`sudo python3 -m pip install -r requirements.txt` //安装依赖组件
`python3 manage.py makemigrations` //初始化数据表

```

[manage@bogon SecurityManageFramework]$ python3 manage.py makemigrations
Migrations for 'ArticleManage':
  articlemanage/migrations/0001_initial.py
    - Create model Article
    - Create model ArticleComments
    - Create model ArticleType
    - Add field article_type to article
    - Add field article_user to article
Migrations for 'NoticeManage':
  noticemanage/migrations/0001_initial.py
    - Create model Notice
Migrations for 'RBAC':
  rbac/migrations/0001_initial.py
    - Create model Area
    - Create model Menu
    - Create model Permission
    - Create model Profile
    - Create model Role
    - Create model UserRequest
    - Add field role to profile
    - Add field user to profile
    - Add field user to profile
Migrations for 'AssetManage':
  assetmanage/migrations/0001_initial.py
    - Create model Asset
    - Create model AssetRequest
    - Create model AssetType
    - Create model AssetTypeInfo
    - Create model AssetUser
    - Create model File
    - Create model Internet_Info
    - Create model PC_Info
    - Create model Plugin_Info
    - Create model Port_Info
    - Add field asset_type to assetrequest
    - Add field request_user to assetrequest
    - Add field asset_type to asset
    - Add field asset_user to asset
Migrations for 'MapManage':
  mapmanage/migrations/0001_initial.py
    - Create model Map
Migrations for 'SeMFSetting':
  sefmsetting/migrations/0001_initial.py
    - Create model Scanner
    - Create model ScannerPolicy
Migrations for 'TaskManage':
  taskmanage/migrations/0001_initial.py
    - Create model Task
Migrations for 'VulnManage':
  vulnmanage/migrations/0001_initial.py
    - Create model Advance_vulns
    - Create model Exploit
    - Create model Vulnerability
    - Create model VulnerabilityScan
[manage@bogon SecurityManageFramework]$

```

`python3 manage.py migrate` //初始化数据库

```

[manage@bogon SecurityManageFramework]$ python3 manage.py migrate
Operations to perform:
  Apply all migrations: ArticleManage, AssetManage, MappedManage, NoticeManage, RBAC, SeMFSetting, TaskManage, VulnManage, admin,
  s. sessions
Running migrations:
  Applying contenttypes.0001_initial... OK
  Applying auth.0001_initial... OK
  Applying articlemanage.0001_initial... OK
  Applying rbac.0001_initial... OK
  Applying assetmanage.0001_initial... OK
  Applying mappedmanage.0001_initial... OK
  Applying noticemanage.0001_initial... OK
  Applying sefmsetting.0001_initial... OK
  Applying taskmanage.0001_initial... OK
  Applying vulnmanage.0001_initial... OK
  Applying admin.0001_initial... OK
  Applying admin.0002_logentry_remove_auto_add... OK
  Applying contenttypes.0002_remove_content_type_name... OK
  Applying auth.0002_alter_permission_name_max_length... OK
  Applying auth.0003_alter_user_email_max_length... OK
  Applying auth.0004_alter_user_username_opts... OK
  Applying auth.0005_alter_user_last_login_null... OK
  Applying auth.0006_require_contenttypes_0002... OK
  Applying auth.0007_alter_validators_add_error_messages... OK
  Applying auth.0008_alter_user_username_max_length... OK
  Applying auth.0009_alter_user_last_name_max_length... OK
  Applying sessions.0001_initial... OK
[manage@bogon SecurityManageFramework]$

```

创建超级账号

`python3 manage.py createsuperuser`

```

[manage@bogon SecurityManageFramework]$ python3 manage.py createsuperuser
Username (leave blank to use 'manage'): SeMF
Email address: test@test.com
Password:
Password (again):
Superuser created successfully.
[manage@bogon SecurityManageFramework]$

```

初始化漏洞库（CNNVD 漏洞数据，测试环境可不执行，执行过程中出现 fail 表明漏洞信息不完善或不重要，可忽略）

python3 cnvd_xml.py

初始化权限信息（主要包含菜单，权限以及管理员角色信息，该信息可在后台调整）

python3 initdata.py

```
[manage@bogon SecurityManageFramework]$ python3 initdata.py
initassettype ok
initassettypeinfo ok
initrole ok
initrole ok
initsuperuser ok
initarticle ok
[manage@bogon SecurityManageFramework]$
```

开启异步任务，执行 celery:

创建 sh 文件

vi celery.py

写入如下信息:

```
python3 -m celery -A SeMF worker -l info --autoscale=10,4 >> logs/celery.log 2>&1
&
```

echo 'Start celery for semf'

执行 celery

chmod u+x celery.sh

sudo ./celery.sh

```
[root@bogon SecurityManageFramework]# ls
ArticleManage  ChartManage  db.sqlite3  LICENSE  MappedManage  README.md  SeMFSetting  templates
AssetManage    cnvd_xml    files       logs     NoticeManage  requirements.txt  static        VulnManage
celery.sh      cnvd_xml.py  initdata.py  manage.py  RBAC          SeMF        TaskManage
[root@bogon SecurityManageFramework]# chmod u+x celery.sh
[root@bogon SecurityManageFramework]# ./celery.sh
Start celery for semf
[root@bogon SecurityManageFramework]#
```

查看 celery 情况:

pa -ef|grep celery

```
[root@bogon SecurityManageFramework]# ps -ef|grep celery
root      19683      1   08:30 pts/0    00:00:01 python3 -m celery -A SeMF worker -l info --autoscale=10,4
root      19687 19683   0 08:30 pts/0    00:00:00 python3 -m celery -A SeMF worker -l info --autoscale=10,4
root      19688 19683   0 08:30 pts/0    00:00:00 python3 -m celery -A SeMF worker -l info --autoscale=10,4
root      19689 19683   0 08:30 pts/0    00:00:00 python3 -m celery -A SeMF worker -l info --autoscale=10,4
root      19690 19683   0 08:30 pts/0    00:00:00 python3 -m celery -A SeMF worker -l info --autoscale=10,4
root      19724 19593   0 08:33 pts/0    00:00:00 grep --color=auto celery
[root@bogon SecurityManageFramework]#
```

关闭 celery : ps -ef|grep celery|grep -v grep|awk '{print \$2}'|xargs kill -9

运行应用程序(正式环境部署，建议使用 nginx+uwsgi，部署方式自行百度):

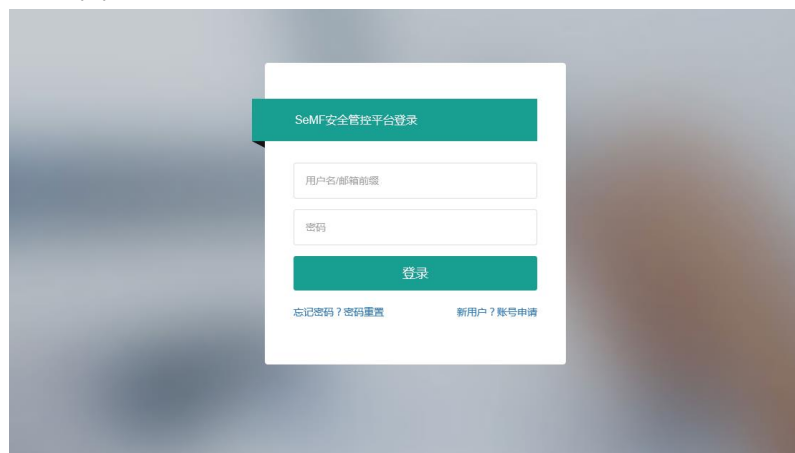
python3 manage.py runserver 0.0.0.0:8000

```
[root@bogon SecurityManageFramework]# python3 manage.py runserver 0.0.0.0:8000
Performing system checks...

System check identified no issues (0 silenced).
June 04, 2018 - 08:38:19
Django version 2.0.4, using settings 'SeMF.settings'
Starting development server at http://0.0.0.0:8000/
Quit the server with CONTROL-C.
[04/Jun/2018 08:38:24] "GET / HTTP/1.1" 200 0
[04/Jun/2018 08:38:24] "GET /static/css/admin.css HTTP/1.1" 200 565
[04/Jun/2018 08:38:24] "GET /view/ HTTP/1.1" 200 2189
[04/Jun/2018 08:38:24] "GET /view/ HTTP/1.1" 200 2189
[04/Jun/2018 08:38:24] "GET /static/css/admin.css HTTP/1.1" 200 10224
[04/Jun/2018 08:38:25] "GET /static/css/font.css HTTP/1.1" 200 565
[04/Jun/2018 08:38:25] "GET /static/js/admin.js HTTP/1.1" 200 5668
[04/Jun/2018 08:38:25] "GET /static/lib/layui/layui.js HTTP/1.1" 200 6542
[04/Jun/2018 08:38:25] "GET /static/jquery/jquery-3.3.1.min.js HTTP/1.1" 200 86927
[04/Jun/2018 08:38:25] "GET /static/css/bootstrap.min.css HTTP/1.1" 200 121200
[04/Jun/2018 08:38:25] "GET /static/lib/layui/css/layui.css HTTP/1.1" 200 65227
[04/Jun/2018 08:38:25] "GET /static/js/bootstrap.min.js HTTP/1.1" 200 37045
[04/Jun/2018 08:38:25] "GET /static/images/bg.png HTTP/1.1" 200 28211
[04/Jun/2018 08:38:25] "GET /static/css/xadmin.css HTTP/1.1" 304 0
[04/Jun/2018 08:38:25] "GET /static/lib/layui/lay/modules/form.js HTTP/1.1" 200 7925
[04/Jun/2018 08:38:26] "GET /static/images/alwrap.png HTTP/1.1" 200 3032
[04/Jun/2018 08:38:26] "GET /static/lib/layui/lay/modules/layer.js HTTP/1.1" 200 22063
[04/Jun/2018 08:38:26] "GET /static/lib/layui/css/modules/layer/default/layer.css?v=3.1.1 HTTP/1.1" 200 14425
[04/Jun/2018 08:38:26] "GET /static/lib/layui/lay/modules/element.js HTTP/1.1" 200 7264
[04/Jun/2018 08:38:26] "GET /static/js/SeMF.js HTTP/1.1" 200 0
[04/Jun/2018 08:38:26] "GET /favicon.ico HTTP/1.1" 304 0
[04/Jun/2018 08:38:26] "GET /view/ HTTP/1.1" 200 2189
[04/Jun/2018 08:38:26] "GET /view/ HTTP/1.1" 200 2189
```

2.2 扫描器设置

这里我们已 Nessus 为例，目前只支持 nessus6：
访问 ip:port 登录系统，账号为 2.1 创建的用户



登录后访问 `ip:port/semf/`

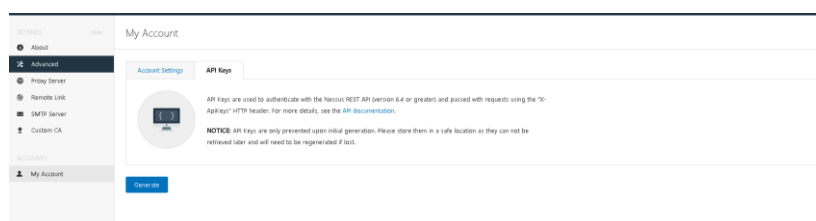


点击新增，选择 Nessus 相关信息

[illegible]

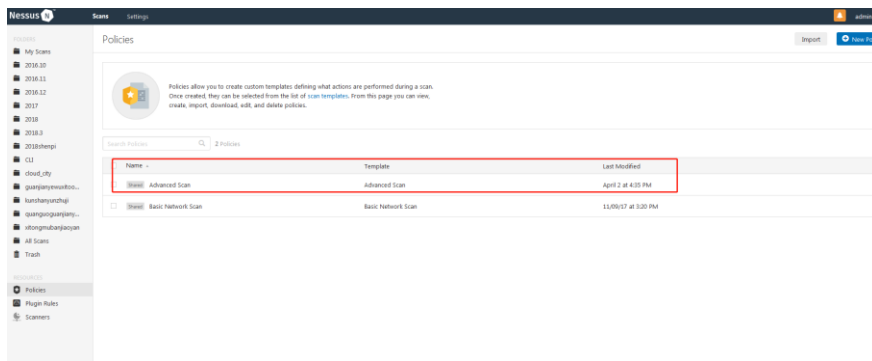
API key 的获取

登录 nessus, 选择 settings/My Account /APIKeys

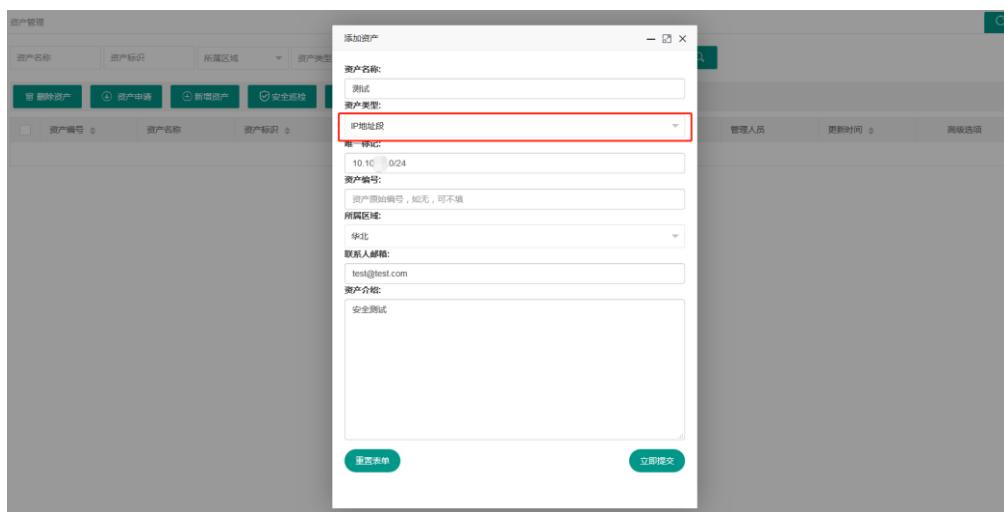


点击生成，即可获得一对密钥 key，复制到 Scanner 中并保存，请注意需要选择 Nessus 扫描器可扫描的资产类型

新建扫描策略，这里一定要将策略命名为 “Advanced Scan”(Nessus7 不提供 api，为了更好的过渡，支持 Nessus7 后不忽略该步骤)



- 2.3 资产发现（为保证对内网最小影响，仅支持对录入系统的 ip 段进行资产发现，即仅支持发现特定 IP 段内的资产）
添加资产如下：



选中资产，点击资产发现



后台会进行资产发现，发现后添加资产至系统（端口扫描和资产发现耗时较短，均不会出现任务，完成后会有消息通知，如端口扫描涉及的资产较多，会消耗很长时间，请耐心等待）

