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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>

附帶：[在國內 docker build 的正確姿勢](#)

2.列出镜像

```
→ ~ docker images
```

| REPOSITORY | TAG | IMAGE ID | CREATED | SIZE |
|-----------------------------|--------|--------------|--------------|--------|
| kalilinux/kali-linux-docker | latest | 8ececeaf404d | 9 months ago | 1.56GB |

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
#####id###
```

```
→ ~ 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 |

4.查看详细信息

```
→ ~ docker inspect kalilinux:latest
[
  {
    "Id": "sha256:8ececeaf404d5d63d4e9bf870f4340516f3be040e5db6c005ac8cf96d2c43536",
    "RepoTags": [
      "kalilinux/kali-linux-docker:latest",
      "kalilinux:latest"
    ],
    "RepoDigests": [
```

2) 基于本地模板导入

9.存出和载入镜像

1) 存出镜像

2) 载入镜像

10.上传镜像

操作容器

1.创建容器

1) 新建容器

2) 启动容器

3) 新建并启动容器

4) 守护态运行

```
→ ~ docker run -d kalilinux:0.1 /bin/sh -c "while true ; do echo zeroyu ; sleep 1 ; done"
88f12c0725a466ba6d8f08f34fc8e9ac263ecafdf0a9e7282d7e9bb4073e6a0
→ ~ docker ps
CONTAINER ID          IMAGE                COMMAND              CREATED              STATUS
88f12c0725a4         kalilinux:0.1       "/bin/sh -c 'while..." 7 seconds ago       Up 7 s
→ ~ docker logs 88f12c0725a4
zeroyu
zeroyu
zeroyu
.....
```

```
#id88f12c0725a4
```

3.进入容器

1) 使用attach命令

2) 使用exec命令

4.删除容器

5.导入和导出容器

[illegible]

Docker数据管理

Docker端口映射

附例

```
#■■■■■■■■■■
=====
[Empire] Post-Exploitation Framework
=====
[Version] 2.3 | [Web] https://github.com/empireProject/Empire
```

| | |
|--------|--------------------------|
| 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 requests. |
| 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 | /admin/get.php,/news.php,/login/process.php Mozilla/5.0 (Windows NT 6.1; WOW64; Trident/7.0; rv:11.0) like Gecko | 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, none, or other). |
| 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. |
| ServerVersion | True | Microsoft-IIS/7.5 | Server header for the control server. |
| StagerURI | False | | URI for the stager. Must use /download/. Example: /download/stager.exe |

```

(Empire: listeners/http) > set Name docker
#■■■■172.16.188.1■■vps■■ip■■
(Empire: listeners/http) > set Host http://172.16.188.1:5000
(Empire: listeners/http) > execute
[*] Starting listener 'docker'
[+] Listener successfully started!
(Empire: listeners/http) > lsit

```




[sket****pl4ne](#) 2019-04-26 21:27:25

帮大忙了(◡•◡◡•◡)◡◡

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