StarkOde Sanctuary

Pwning rConfig part I

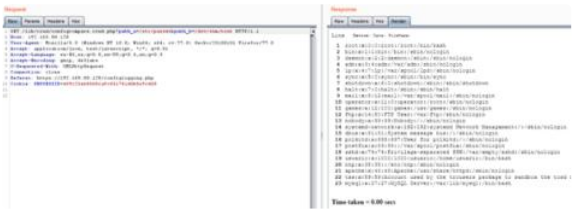
27 Aug 2020

Pwning rConfig: part one

Hi everyone. I've been quite busy lately, but some weeks ago I decided to review the security of a software called rConfig version 3.9.5 (www.rconfig.com) which is a Network Monitoring tool and I found several vulnerabilities. So let's take a look at them ;)

LFI 1

Local file disclosure in /lib/crud/configcompare.crud.php, when comparing the parameter path_a to path_b, the file specified in path_a is disclosed if both files are completely different. Here we can see the contents of /etc/passwd



Arbitrary file deletion

Arbitrary file deletion in /lib/ajaxHandlers/ajaxDeleteAllLoggingFiles.php. You can delete any file with an extension by specifying the file with the path parameter and the extension with the ext extension

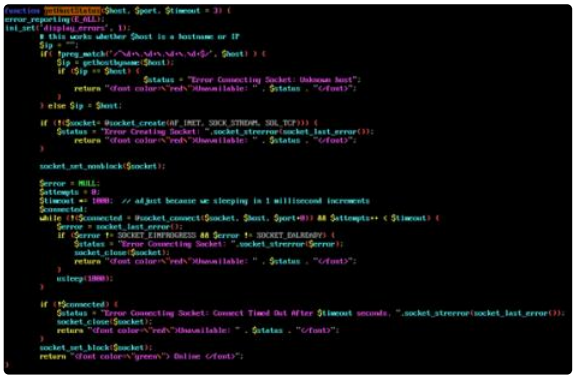
```
[root@centos7 shm]# ls
nodeid  test.test
[root@centos7 shm]# chown apache test.test
[root@centos7 shm]# ls -lah
total 4,0K
drwxrwxrwt  2 root   root     80 jun 14 22:00 .
drwxr-xr-x 20 root   root   3,2K jun 14 13:02 ..
-rw-r--r--  1 apache apache    7 jun 14 21:33 nodeid
-rw-r--r--  1 apache root      0 jun 14 22:00 test.test
[root@centos7 shm]# ls
nodeid
[root@centos7 shm]#
```

Server-Side Request Forgery

Server-Side Request Forgery in /lib/ajaxHandlers/ajaxDeviceStatus.php, you can open a connection to the inside of the machine with the deviceIpAddr parameter and the connPort parameter.

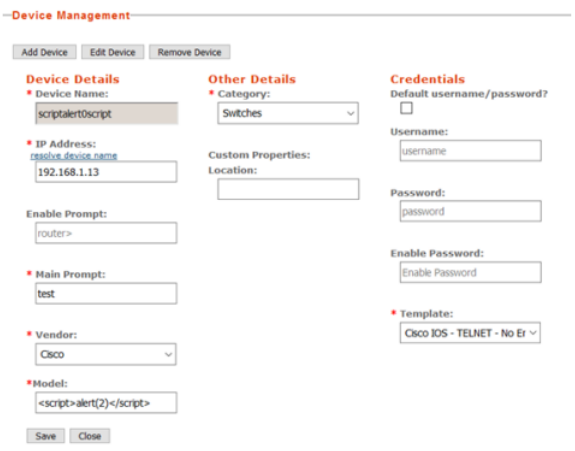
OPEN PORT:

Error:



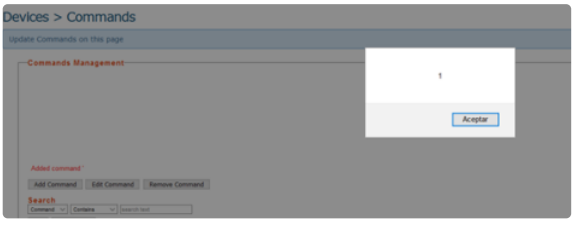
XSS

Cross-Site Scripting in /devices.php > Add device, introduce a payload such as <svg onload=alert(1)> in the Model field and clicking Save (it's needed to fill the rest of fields with info). Then visiting /devicemgmt.php?deviceId=1&device=devicename



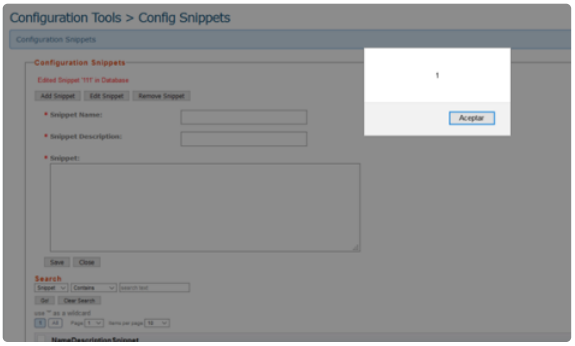
XSS 2

Cross-Site Scripting in /commands.php > Add command, introduce a payload such as <svg onload=alert(1)> in the Command field and click Save.



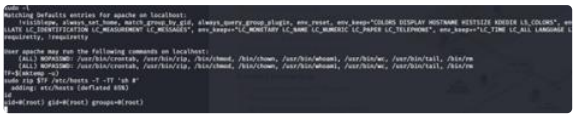
XSS 3

Cross-Site Scripting in /snippets.php > Add snippet, introduce a payload such as <svg onload=alert(1)> in the Snippet field and click Save(fill the rest of fields first).



Privilege escalation 1

Using sudo zip:



Privilege escalation 2

By doing sudo crontab -e and then :!/bin/bash

Arbitrary file read:

Following this we can read any privileged file: https://gtfobins.github.io/gtfobins/tail/

So those are some of the vulns I found during the research, hope you enjoyed the article. Back with the second part soon :)

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