Telspace Africa, The Blog

Hackers for hire

Thursday, July 9, 2020

phpList – CVE-2020-15072 & CVE-2020-15073 – Story Time

phpList is currently used in 73 countries and is a popular choice for sending email newsletters, marketing campaigns and announcements. It is accessible via web browsers and is Open Source (https://www.phplist.org), however a paid for version also exists as a service via https://www.phplist.com.

Given its wide use / adoption, I decided to take a look at phpList recently, in order to give back to the Open Source community.

I would also like to give credit to phpList for responding and patching very quickly, especially to Suela at phpList. A new version of the application is now available for download.

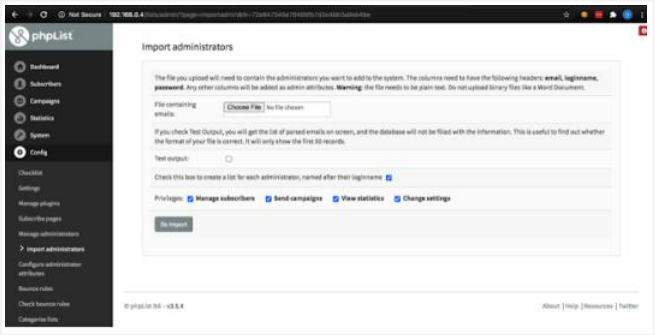
You can browse all the fixes, comments and patching by going to the following URLs:

- https://discuss.phplist.org/t/phplist-3-5-5-has-been-released/6377
- https://www.phplist.org/newslist/phplist-3-5-5-release-notes/
- https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-15072
- https://cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2020-15073

A walkthrough of the 2 identified vulnerabilities is given below:

1.) Code Injection via "Import administrators"

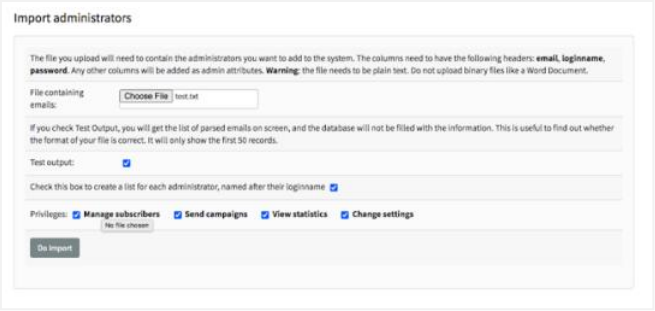
1.1) Click on "Config" then "Import administrators"



1.2) Edit a txt file to include basic headers and test (offline) as follows:

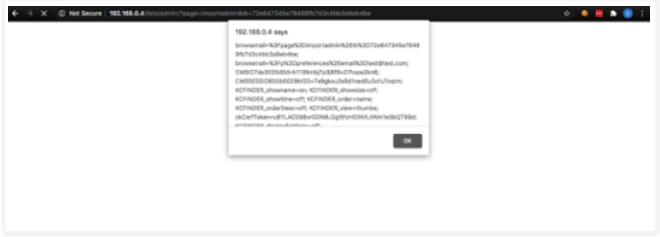
```
hacktobasics:Downloads dc$ cat test.txt
email   loginname       password

test@test.com   <script>alert(document.cookie)</script> test
hacktobasics:Downloads dc$
```

1.3) Click on "Choose File" and select the text file.

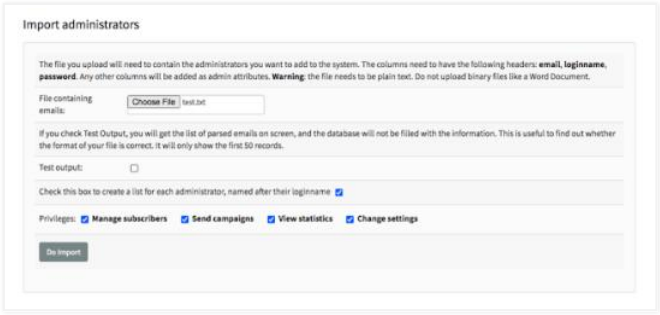


1.4) Click "Do Import"

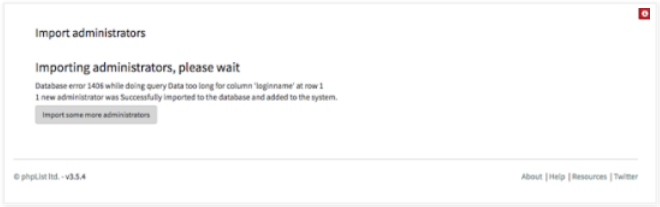
Code Injection Triggered (not stored)



1.5) Go back to "Import administrators"
1.6) Untick "Test output:"

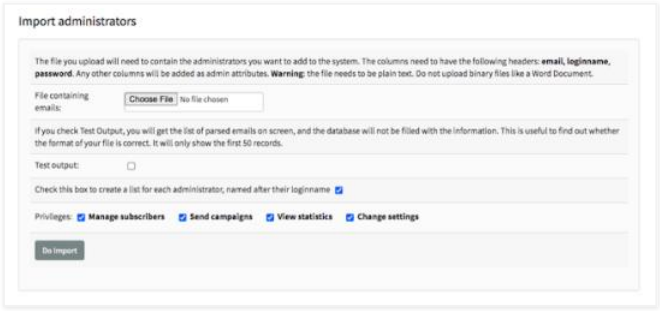


1.7) Click "Do Import" and you will get an import database error.

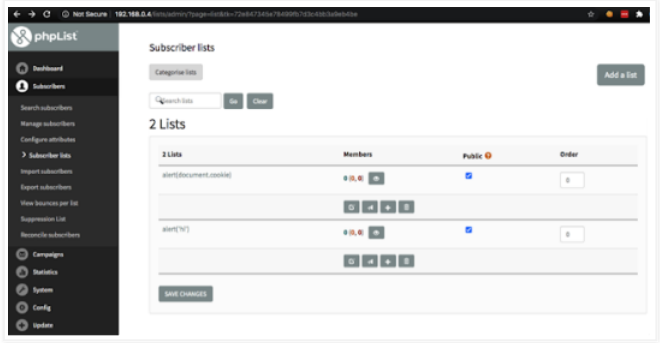


1.8) Edit the same text file and add another user as follows:

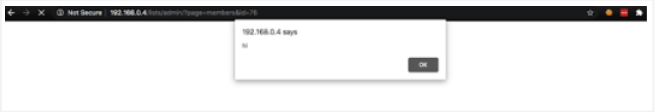
1.9) Go back to "Import administrators"
1.10) Click on "Choose File" and choose the text file.
1.11) Untick "Test output:"



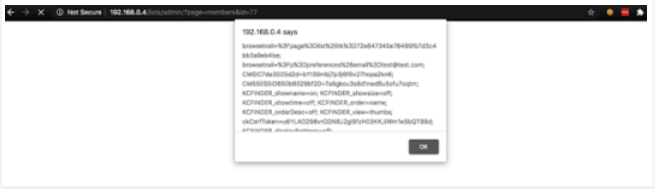
1.12) Click "Do Import" and you will get more import database errors
1.13) Browse to "Subscribers" then "Subscriber Lists"



1.14) Click on the first one and you'll get a "hi" popup:



1.15) Go back and click on the second one and you'll get a cookie.



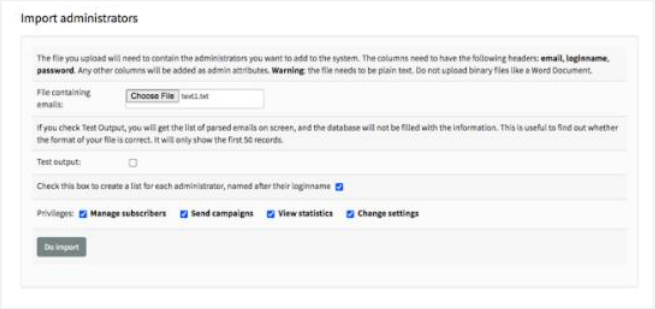
2.) Error based SQL Injection via "Import administrators"

2.1) Click on "Config" then "Import administrators"
2.2) Edit a txt file to include basic headers and text (offline) as follows

email loginname password

test2@test.com "'testsql test

2.3) Untick "Test output:"
2.4) Click on "Choose File" and choose the text file.



2.5) Click "Do Import" - you'll see the Error Based SQL injection.

at Thursday, July 09, 2020
Labels: 2020, code injection, CVE-2020-15072, CVE-2020-15073, phpList, security advisory, sql injection

1 comment:

Dane said...

Keep up the great work Telspace!

July 11, 2020 at 10:12 PM

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