beerpwn update readme ... on Apr 19, 2020 History

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readme.md

CVE-2020-10564

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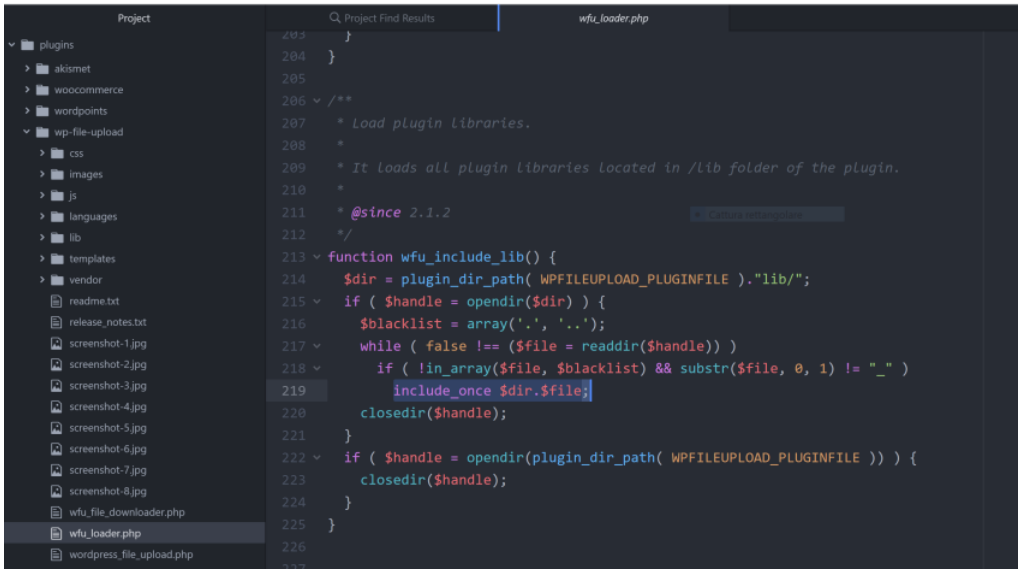
- plugin url: https://wordpress.org/plugins/wp-file-upload/#developers
- fixed version 4.13.0
- CVE-2020-10564 (Directory Traversal on WP File Upload to RCE)

The vulnerability affecting the plugin let a user gain **Remote Code Execution** by uploading a simple `.jpg` or `.txt` file by abusing a **directory traversal**.
WordPress File Upload is a plugin for **WordPress**. I manage to find a directory traversal vuln. on the file upload functionality. It's possible to use this vulnerability to gain RCE by uploading a file (doesn't matter the extension) inside the `lib` directory of the plugin. The RCE can be triggered from an unathenticated user, also it doesn't require any admin interaction.
Why this work?
Well, thnx to this:



this piece of code shows that the function `wfu_include_lib()` will `include_once` all the file in the `lib` directory (extension does not matter). Then we can use the **path traversal** to wrtite a file inside that directory to **gain RCE**. This function will be called automatically every time the plugin is present in a page by the init page (you can check the file `wfu_loader.php`).
Here you can find the report that I shared with the mainteiner of the plugin, inside it you can find the PoC to reproduce the issue.
Here you can find a simple python script exploit. Example usage:

```
$ python exploit.py http://localhost/wordpress/test-wp-file-upload-plugin/ /wordpress
```

Enjoy the own4ge.

Cheers, p4w