Multiple Vulnerabilities in Eyes of Network Web version 5.3

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Synopsis

Several vulnerabilities have been discovered in the Eyes of Network web application. We have received no response from the vendor after repeated efforts to notify them of these vulnerabilities, and the application remains unpatched.

iFrame Injection

CVSSv3 Base Score: 7.3

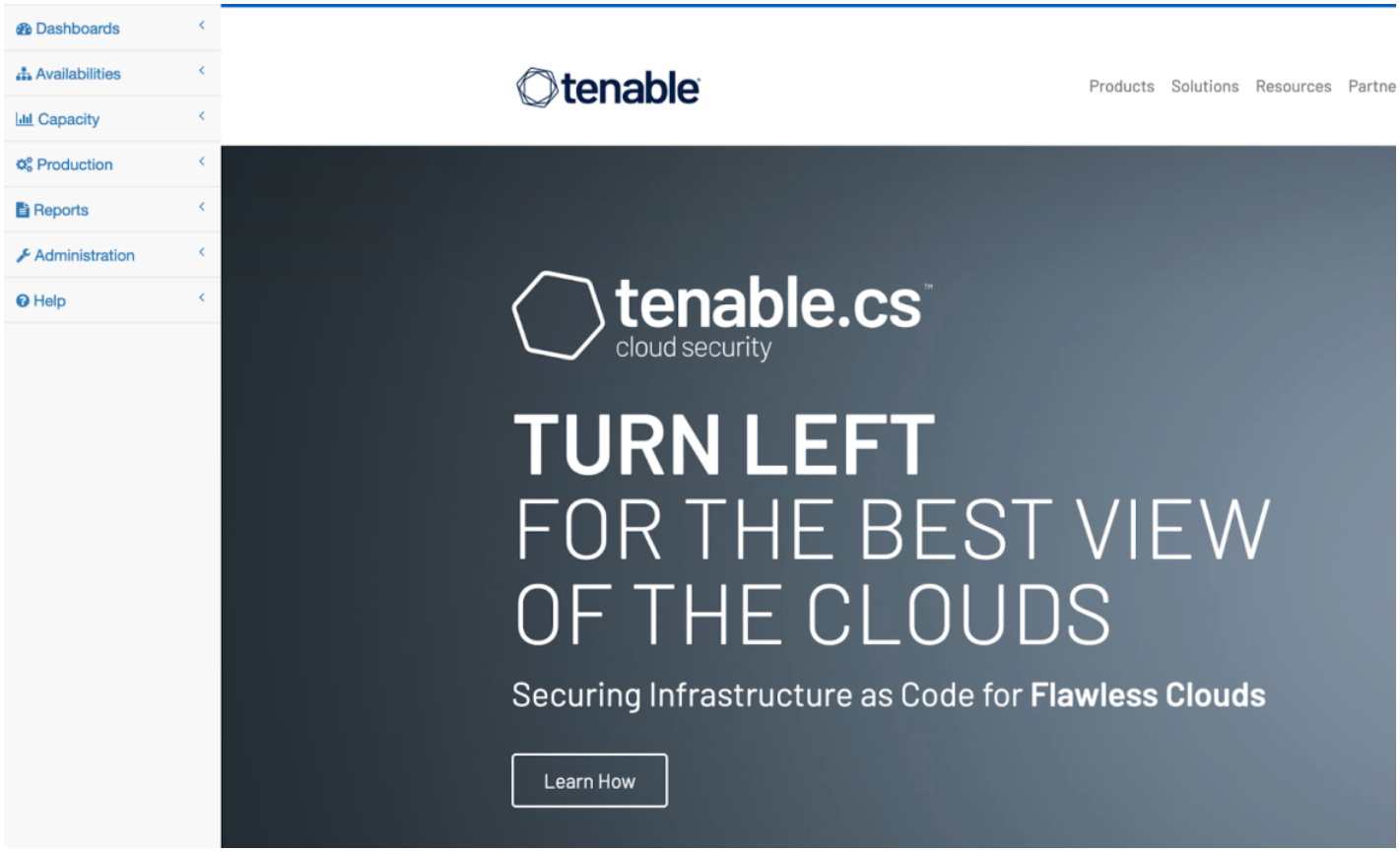
CVSSv3 Vector: AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:N

CWE: 74

The `url` parameter of `/module/module_frame/index.php` is vulnerable to iFrame injection. An attacker could use this issue to trick the user into loading remote malicious content into their authenticated session, which could allow the attacker to steal the user's credentials or force the client to carry out unwanted actions.

Proof of concept

After browsing to the URL shown below, an authenticated user will be greeted with the Tenable home page.



Cross-site Scripting via /module/admin_notifier/rules.php

CVSSv3 Base Score: 5.4

CVSSv3 Vector: AV:N/AC:L/PR:L/UI:R/S:C/C:L/I:L/A:N

CWE: 79

We have observed that the following parameters of rules.php are vulnerable to cross-site scripting attacks.

- rule_notification
- rule_name
- rule_name_old

An attacker could abuse this issue to trick an authenticated user into executing malicious Javascript.

Proof of Concept

If an authenticated user directs their browser to the URL, `https://<your-ip>/module/admin_notifier/rules.php?rule_name=%22%3E%3Cscript%3Ealert(%27XSS%27)%3C/script%3E,` then the Javascript expression `alert("XSS")` will be executed in their browser, displaying the message 'XSS':

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Cross-site Scripting via /module/report_event/index.php

CVSSv3 Base Score: 5.4

CVSSv3 Vector: AV:N/AC:L/PR:L/UI:R/S:C/C:L/I:L/A:N

CWE: 79

The following parameters of index.php are vulnerable to cross-site scripting attacks:

- rule_notification
- rule_name
- rule_name_old

An attacker could abuse this issue to trick an authenticated user into executing malicious Javascript.

Proof of Concept

Browsing to the URL `https:///module/report_event/index.php?type=%22%3E%3Cscript%3Ealert(%27XSS%27)%3C%2fscript%3E` as an authenticated user will cause the Javascript expression `alert("XSS")` to be executed in the browser, and will display the message "XSS".

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Cross-site Scripting via /module/admin_user/add_modify_user.php

CVSSv3 Base Score: 5.4

CVSSv3 Vector: AV:N/AC:L/PR:L/UI:R/S:C/C:L/I:L/A:N

CWE: 79

The following parameters of **add_modify_user.php** are vulnerable to Cross Site Scripting:

- user_name
- user_mail

An attacker could abuse this issue to trick an authenticated user into executing malicious Javascript.

Proof of Concept

Browsing to the URL `https:///module/admin_user/add_modify_user.php?user_name=%27%3E%3Cscript%3Ealert(%27XSS%27)%3C/script%3E` as an authenticated user will cause the Javascript expression `alert("XSS")` to be executed in the browser, and will display the message "XSS".

Cross-site request forgery

CVSSv3 Base Score: 6.3

CVSSv3 Vector: (AV:N/AC:L/PR:N/UI:R/S:U/C:L/I:L/A:L)

CWE: 352

There is no CSRF protection within this application; we can see in the POST request below that there is no CSRF token being used.

```
POST /module/admin_user/add_modify_user.php HTTP/1.1
Host:
Cookie: glpi_dfa5b16f2330075f98b9929df5b4b397=6kijm2sinv45gcb9fp7g314bn1; PHPSESSID=af8pl9dedugc1qoc1ltcc6gel6; ses
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.15; rv:101.0) Gecko/20100101 Firefox/101.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/avif,image/webp,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Content-Type: application/x-www-form-urlencoded
Content-Length: 183
Upgrade-Insecure-Requests: 1

user_id=&user_name=hackerman&user_name_old=&user_mail=&user_descr=&user_password1=hackerman&user_password2=hackerma
```

An attacker could exploit this issue by creating a dummy page that would perform actions within an authenticated user's session if they were tricked into using the malicious dummy page.

`DataTables_Table_0_length=10&user_selected%5B%5D=1&user_mgt_list=delete_user&action=submit` as an authenticated user will delete the `admin` user.

Disclosure Timeline

Tuesday, June 21, 2022: Vendor Notified
Tuesday, July 15, 2022: Second Notification Sent to Vendor
Tuesday, August 5, 2022: Third and Final Notification Sent to Vendor
Monday, August 15, 2022: TRA Published

Tenable takes product security very seriously. If you believe you have found a vulnerability in one of our products, we ask that you please work with us to quickly resolve it in order to protect customers. Tenable believes in responding quickly to such reports, maintaining communication with researchers, and providing a solution in short order.

For more details on submitting vulnerability information, please see our Vulnerability Reporting Guidelines page.

If you have questions or corrections about this advisory, please email advisories@tenable.com

Risk Information

CVE ID: CVE-2022-38357
CVE-2022-38358
CVE-2022-38359
Tenable Advisory ID: TRA-2022-29
Credit: Derrie Sutton
CVSSv3 Base / Temporal Score: 7.3
CVSSv3 Vector: AV:N/AC:L/PR:L/UI:R/S:U/C:H/I:H/A:N
Affected Products: Eyes of Network Web 5.3

Advisory Timeline

August 15, 2022: Initial Release
September 12, 2022: Corrected error in CVE number

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