## User Enumeration in kareadita/kavita



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# Description

The migrate-email endpoint is requiring Email, Username, and Password parameter. The Username parameter value will be queried to \_userManager.Users and will returning data to user variable, if user variable contain null value, the application will return bad request with "Invalid username" message, which is similar to user doesn't exist message.

This bad request message can be used for user enumeration, with the asumption if an Username parameter value using the valid username, the backend will returing the different message.

# **Proof of Concept**

## 1. Send a request with the following parameter:

- Email parameter with any email value
- Username parameter with any value
- Password parameter with any value



- 2. The backend will response "Invalid username"
- 3. An then, try to put the valid Username on Username parameter.



4. The backend will response "Your credentials are not correct".

## **Impact**

An attacker could perform an bruteforce attack to either guess or confirm valid users in a system.

### Occurrences



## References

• What Is User Enumeration?

CVE-2022-3945 (Published)

Vulnerability Type

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### Severity

Critical (9.4)

### Registry

Other

#### Affected Version

0600

### Visibility

Public

#### Status

Fixed

### Found by



This report was seen 471 times.

We are processing your report and will contact the **kareadita/kavita** team within 24 hours.

a month ago

We have contacted a member of the **kareadita/kavita** team and are waiting to hear back a month ago

A kareadita/kavita maintainer has acknowledged this report a month ago

Joe Milazzo validated this vulnerability 25 days ago

zetc0de has been awarded the disclosure bounty 🗸

The fix bounty is now up for grabs

The researcher's credibility has increased: +7

Joe Milazzo marked this as fixed in 0.6.0.3 with commit f8db37 25 days ago

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This vulnerability has been assigned a CVE 
AccountController.cs#L881-L887 has been validated 
zetcOde 25 days ago 
Researcher

@admin can disclose this report? Also can to assign cve for this vulnerability?

Joe Milazzo 25 days ago 
Maintainer

This is not ready for disclosure. I will publish when it is ready.

Joe Milazzo published this vulnerability 15 days ago

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