

DBmonster19 / CVE-2025-66954 Public[Code](#) [Issues](#) [Pull requests](#) [Actions](#) [Projects](#) [Security and quality](#)[1 Branch](#) [0 Tags](#)   [Code](#) ⋮[DBmonster19](#) Update README.md 342d8a9 · 3 days ago[README.md](#) Update README.md 3 days ago[README](#)

# CVE-2025-66954 – Buffalo LinkStation Username Enumeration via IDOR

## Summary

A vulnerability in **Buffalo LinkStation firmware version 1.85-0.01** allows unauthenticated or guest-level users to enumerate valid usernames and their associated privilege roles.

The issue arises due to improper access control in the `/nasapi` endpoint, enabling **Insecure Direct Object Reference (IDOR)** exploitation.

## CVE Information

- **CVE ID:** CVE-2025-66954
- **Status:** Reserved (pending publication)
- **Vendor:** Buffalo
- **Product:** LinkStation
- **Affected Version:** 1.85-0.01
- **Component:** `/nasapi` endpoint
- **Vulnerability Type:** IDOR (Insecure Direct Object Reference)
- **Attack Vector:** Remote

## CVSS v3.1 Score

---

**Base Score:** 6.5 (Medium)

**Vector:** CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:U/C:H/I:N/A:N

### Breakdown

- Attack Vector (AV): Network
  - Attack Complexity (AC): Low
  - Privileges Required (PR): Low (guest access)
  - User Interaction (UI): None
  - Scope (S): Unchanged
  - Confidentiality (C): High
  - Integrity (I): None
  - Availability (A): None
- 

## Impact

---

This vulnerability allows attackers with **guest-level access** to:

- Enumerate valid usernames
- Retrieve associated privilege roles
- Access additional user metadata

### Exposed Information

- Username
- User ID
- Category
- Role
- Description
- Quota
- Groups
- Primary Group

### Security Impact

- **Information Disclosure:** Yes
  - **Privilege Escalation (indirect):** Possible via reconnaissance
- 

## Technical Details

---

The `/nasapi` endpoint fails to properly validate authorization when handling user-related queries.

By modifying a request parameter, a low-privileged or guest user can retrieve information about other users.

## Example Endpoint

`/nasapi`

## Root Cause

- Missing authorization checks
  - Insecure direct object reference (IDOR)
  - User-controlled parameter not validated
- 

## Proof of Concept (PoC)

---

Redacted to prevent abuse. Available upon responsible request.

---

## Mitigation

---

According to the vendor:

Buffalo has confirmed the vulnerability but will not release a patch.

## Recommended Mitigation

Disable the **guest user account** to prevent unauthorized access.

---

## Vendor Response

---

Buffalo has acknowledged the issue and stated:

- No patch will be released
  - The exposed data is considered non-critical
  - Mitigation is sufficient
- 

## Timeline

---

- **Discovered by:** Zaid Shaikh
  - **Vendor Notified:** [Dec 17, 2025]
  - **Vendor Response:** Confirmed, no fix planned
  - **CVE Reserved:** 2025
  - **Public Disclosure:** [Apr 1,2026]
- 

---

## Releases

No releases published

---

## Packages

No packages published

---

## Contributors 1



**DBmonster19**