



# RELATE: Timing Attack Vulnerability in course/auth.py — check\_sign\_in\_key()

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

## Summary

**CVE** CVE-2026-41588**State** PUBLISHED**Assigner** GitHub\_M**Source Priority** CVE Program / NVD first with legacy fallback**Published** 2026-05-08 15:16:43 UTC**Updated** 2026-05-12 21:09:52 UTC**Description** RELATE is a web-based courseware package. Prior to commit 2f68e16, there is a timing attack vulnerability in course/auth.py.

## Risk And Classification

**Primary CVSS:** v3.1 8.1 HIGH from nvd@nist.gov**CVSS:** 3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H**EPSS:** 0.000130000 probability, percentile 0.020650000 (date 2026-05-12)**Problem Types:** CWE-208 | CWE-203 | CWE-208 CWE-208: Observable Timing Discrepancy

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	8.1	HIGH	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	security-advisories@github.com	Secondary	9	CRITICAL	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	9	CRITICAL	CVSS:3.1/AV:N/AC:H/PR:N/UI:N/S:C/C:H/I:H/A:H

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

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

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Inducer	Relate	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Inducer	Relate	affected < 2f68e16cd3b96d25c188c1aa3f7e13cdb15cdaeb	Not specified

### References

Reference	Source	Link	Tags
github.com/inducer/relate/commit/2f68e16cd3b96d25c188c1aa3f7e13cdb15cdaeb	security-advisories@github.com	github.com	Patch
github.com/inducer/relate/security/advisories/GHSA-78j7-9xr9-2728	security-advisories@github.com	github.com	Vendo
CVE Program record	CVE.ORG	www.cve.org	canoni
NVD vulnerability detail	NVD	nvd.nist.gov	canoni

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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