



Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection') in praisonai

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2026-40088 |
| State | PUBLISHED |
| Assigner | GitHub_M |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2026-04-09 20:16:27 UTC |
| Updated | 2026-04-16 20:40:45 UTC |
| Description | PraisonAI is a multi-agent teams system. Prior to 4.5.121, the execute_command function and workflow shell execution are |

Risk And Classification

Primary CVSS: v3.1 9.6 CRITICAL from nvd@nist.gov

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

EPSS: 0.000560000 probability, percentile 0.174630000 (date 2026-04-16)

Problem Types: CWE-78 | CWE-78 CWE-78: Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')

| Version | Source | Type | Score | Severity | Vector |
|---------|--------------------------------|-----------|-------|----------|--|
| 3.1 | nvd@nist.gov | Primary | 9.6 | CRITICAL | CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:H |
| 3.1 | security-advisories@github.com | Secondary | 9.6 | CRITICAL | CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:H |
| 3.1 | CNA | DECLARED | 9.7 | CRITICAL | CVSS:3.1/AV:N/AC:L/PR:N/UI:R/S:C/C:H/I:H/A:H |

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

Required

Scope

Changed

Confidentiality

High

Integrity

High

Availability

High

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

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|-------------|---------|-----------|---------|--------|---------|----------|
| Application | Praison | Praisonai | All | All | All | All |

Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|--------|---------------|-----------|--------------------|---------------|
| CNA | MervinPraison | PraisonAI | affected < 4.5.121 | Not specified |

References

| Reference | Source | Link | Tags |
|--|--------------------------------|--------------|------------|
| github.com/MervinPraison/PraisonAI/releases/tag/v4.5.121 | security-advisories@github.com | github.com | Release M |
| github.com/MervinPraison/PraisonAI/security/advisories/GHSA-2763-cj5r-c79m | security-advisories@github.com | github.com | Exploit, V |
| CVE Program record | CVE.ORG | www.cve.org | canonical |
| NVD vulnerability detail | NVD | nvd.nist.gov | canonical |

No vendor comments have been submitted for this CVE.

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

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