



Ray: Remote Code Execution via Parquet Arrow Extension Type Deserialization

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2026-41486 |
| State | PUBLISHED |
| Assigner | GitHub_M |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2026-05-08 22:16:29 UTC |
| Updated | 2026-05-08 22:16:29 UTC |
| Description | Ray is an AI compute engine. From version 2.54.0 to before version 2.55.0, Ray Data registers custom Arrow extension typ |

Risk And Classification

Primary CVSS: v4.0 8.9 HIGH from security-advisories@github.com

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:H/SI:H/SA:H/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000830000 probability, percentile 0.241450000 (date 2026-05-10)

Problem Types: CWE-94 | CWE-502 | CWE-94 CWE-94: Improper Control of Generation of Code ('Code Injection') | CWE-502 CWE-502: Deserialization of Untrusted Data

| Version | Source | Type | Score | Severity | Vector |
|---------|--------------------------------|-----------|-------|----------|--|
| 4.0 | security-advisories@github.com | Secondary | 8.9 | HIGH | CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:H/SI:H/SA:H/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X |
| 4.0 | CNA | DECLARED | 8.9 | HIGH | CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:H/SI:H/SA:H/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X |

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

Present

Privileges Required

None

User Interaction

Active

Active

Confidentiality

High

Integrity

High

Availability

High

Sub Conf.

High

Sub Integrity

High

Sub Availability

High

CVSS:4.0/AV:N/AC:L/AT:P/PR:N/UI:A/VC:H/VI:H/VA:H/SC:H/SI:H/SA:H/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|--------|-----------------------------|---------------------|------------------------------|---------------|
| CNA | Ray-project | Ray | affected >= 2.54.0, < 2.55.0 | Not specified |

References

| Reference | Source | Link | Tags |
|---|--------------------------------|---|------|
| github.com/ray-project/ray/releases/tag/ray-2.55.0 | security-advisories@github.com | github.com | |
| github.com/ray-project/ray/security/advisories/GHSA-mw35-8rx3-xf9r | security-advisories@github.com | github.com | |
| github.com/ray-project/ray/pull/62056 | security-advisories@github.com | github.com | |
| github.com/ray-project/ray/commit/c02bd31ae31996805868baa446a131a8d304525f | security-advisories@github.com | github.com | |
| CVE Program record | CVE.ORG | www.cve.org | canc |
| NVD vulnerability detail | NVD | nvd.nist.gov | canc |

No vendor comments have been submitted for this CVE.

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

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