



Firebird: Path Traversal + Arbitrary File Write Leads to Remote Code Execution

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

Summary

CVE	CVE-2026-40342
State	PUBLISHED
Assigner	GitHub_M
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-17 20:16:35 UTC
Updated	2026-04-17 20:16:35 UTC
Description	Firebird is an open-source relational database management system. In versions prior to 5.0.4, 4.0.7 and 3.0.14, the external

Risk And Classification

Primary CVSS: v3.1 9.9 CRITICAL from security-advisories@github.com

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

Problem Types: CWE-22 | CWE-73 | CWE-94 | CWE-427 | CWE-22 CWE-22: Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal') | CWE-427 CWE-427: Uncontrolled Search Path Element | CWE-73 CWE-73: External Control of File Name or Path | CWE-94 CWE-94: Improper Control of Generation of Code ('Code Injection')

Version	Source	Type	Score	Severity	Vector
3.1	security-advisories@github.com	Secondary	9.9	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H
3.1	CNA	DECLARED	10	CRITICAL	CVSS:3.1/AV:N/AC:L/PR:L/UI:N/S:C/C:H/I:H/A:H

CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Changed

Confidentiality

Confidentiality

High

Integrity

High

Availability

High

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

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	FirebirdSQL	Firebird	affected < 3.0.14	Not specified
CNA	FirebirdSQL	Firebird	affected >= 4.0.0, < 4.0.7	Not specified
CNA	FirebirdSQL	Firebird	affected >= 5.0.0, < 5.0.4	Not specified

References

Reference	Source	Link	Tags
github.com/FirebirdSQL/firebird/releases/tag/v5.0.4	security-advisories@github.com	github.com	
github.com/FirebirdSQL/firebird/releases/tag/v4.0.7	security-advisories@github.com	github.com	
github.com/FirebirdSQL/firebird/releases/tag/v3.0.14	security-advisories@github.com	github.com	
github.com/FirebirdSQL/firebird/security/advisories/GHSA-7pxc-h3rv-r257	security-advisories@github.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, anal

No vendor comments have been submitted for this CVE.

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

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