



Security Bulletin: IBM® Db2® is vulnerable to a denial of service when fetching from certain tables under specific configurations (CVE-2025-14688)

Security Bulletin

Summary

IBM® Db2® is vulnerable to a denial of service when fetching from certain tables when the following configurations are set: DB2_WORKLOAD=ANALYTICS or intra_parallel is set to YES, as well as DB2_EXTENDED_OPTIMIZATION=NLJN_OFLOW ON.

Vulnerability Details

CVEID: [CVE-2025-14688](https://www.cve.org/CVERecord?id=CVE-2025-14688) (<https://www.cve.org/CVERecord?id=CVE-2025-14688>)

DESCRIPTION: IBM Db2 for Linux, UNIX and Windows (includes Db2 Connect Server) could allow an authenticated user to cause a denial of service due to improper neutralization of special elements in data query logic when certain configurations exist.

CWE: [CWE-1284: Improper Validation of Specified Quantity in Input](https://cwe.mitre.org/data/definitions/1284.html) (<https://cwe.mitre.org/data/definitions/1284.html>)

CVSS Source: IBM

CVSS Base score: 5.3

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

Affected Products and Versions

Affected Product(s)	Version(s)	Applicable Editions
IBM® Db2®	11.5.0 - 11.5.9	Server
IBM® Db2®	12.1.0 - 12.1.3	Server

All platforms are affected.

Earlier releases (11.1, 10.5, 10.1, 9.7 etc.) may also be affected, but they are no longer supported. Any older version not mentioned above is not supported.

Remediation/Fixes

Customers running any vulnerable affected level of an affected Program, V11.5, and V12.1, can download the special build containing the interim fix for this issue from Fix Central. These special builds are available based on the most recent level for each impacted release: V11.5.9. They can be applied to any affected level of the appropriate release to remediate this vulnerability.

Release	Fixed in mod pack	APAR	Download URL
V11.5	TBD	DT458000 (https://www.ibm.com/mysupport/s/defect/aClgJ0000008Msz/dt458000)	Special Build #79671 or later for V11.5.9 available at this link: https://www.ibm.com/support/pages/node/7087189 (https://www.ibm.com/support/pages/node/7087189)
V12.1	V12.1.4	DT458000 (https://www.ibm.com/mysupport/s/defect/aClgJ0000008Msz/dt458000)	Latest for V12.1.4 is available at this link: https://www.ibm.com/support/pages/node/7267513 (https://www.ibm.com/support/pages/node/7267513)

IBM does not disclose key Db2 functionality nor replication steps for a vulnerability to avoid providing too much information to any potential malicious attacker. IBM does not want to enable a malicious attacker with sufficient knowledge to craft an exploit of the vulnerability.

Workarounds and Mitigations

Remove registry variable DB2_EXTENDED_OPTIMIZATION=NLJN_OFLOW by:

```
db2set -im DB2_EXTENDED_OPTIMIZATION=
```

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References

[Complete CVSS v3 Guide](#) 

[On-line Calculator v3](#) ↗

Related Information

[IBM Secure Engineering Web Portal](http://www.ibm.com/security/secure-engineering/bulletins.html) (<http://www.ibm.com/security/secure-engineering/bulletins.html>)

[IBM Product Security Incident Response Blog](http://www.ibm.com/blogs/psirt) (<http://www.ibm.com/blogs/psirt>)

[Published Security Vulnerabilities for DB2 for Linux, UNIX, and Windows including Special Build information](https://www.ibm.com/support/pages/published-security-vulnerabilities-db2-linux-unix-and-windows-including-special-build-information)

(<https://www.ibm.com/support/pages/published-security-vulnerabilities-db2-linux-unix-and-windows-including-special-build-information>)

Acknowledgement

Change History

15 Apr 2026: Initial Publication

*The CVSS Environment Score is customer environment specific and will ultimately impact the Overall CVSS Score. Customers can evaluate the impact of this vulnerability in their environments by accessing the links in the Reference section of this Security Bulletin.

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Document Information

More support for:

[Db2 for Linux, UNIX and Windows](https://www.ibm.com/mysupport/s/topic/0TO500000001fUNGAY) (<https://www.ibm.com/mysupport/s/topic/0TO500000001fUNGAY>)

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11.5.9, 12.1.x

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Windows, Linux, Linux on IBM Z Systems, AIX

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