



CVE-2019-4057

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CVE-2019-4057

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of **Db2** from **ibm** contain the following vulnerability:

IBM DB2 for Linux, UNIX and Windows (includes DB2 Connect Server) 9.7, 10.1, 10.5, and 11.1 could allow malicious user with access to the DB2 instance account to leverage a fenced execution process to execute arbitrary code as root. IBM X-Force ID: 156567.

CVE-2019-4057 has been assigned by [psirt@us.ibm.com](#) to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: [IBM](#) - **DB2 for Linux, UNIX and Windows** version **10.5**

Affected Vendor/Software: [IBM](#) - **DB2 for Linux, UNIX and Windows** version **10.1**

Affected Vendor/Software: [IBM](#) - **DB2 for Linux, UNIX and Windows** version **9.7**

Affected Vendor/Software: [IBM](#) - **DB2 for Linux, UNIX and Windows** version **11.1**

CVSS3 Score: **6.7 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	HIGH	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: **7.2 - HIGH**

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
IBM X-Force Exchange	VDB Entry Vendor Advisory exchange.xforce.ibmcloud.com text/html	 XF ibm-db2-cve20194057-priv-escalation (156567)
Security Bulletin: IBM® Db2® is vulnerable to privilege escalation to root via malicious use of fenced user (CVE-2019-4057).	Vendor Advisory www.ibm.com text/html	 CONFIRM www.ibm.com/support/docview.wss?uid=ibm10880735

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Ibm	Db2	10.1.0.0	All	All	All
Application	Ibm	Db2	10.1.0.1	All	All	All
Application	Ibm	Db2	10.1.0.2	All	All	All
Application	Ibm	Db2	10.1.0.3	All	All	All
Application	Ibm	Db2	10.1.0.4	All	All	All
Application	Ibm	Db2	10.1.0.5	All	All	All
Application	Ibm	Db2	10.1.0.6	All	All	All
Application	Ibm	Db2	10.5.0.0	All	All	All
Application	Ibm	Db2	10.5.0.1	All	All	All
Application	Ibm	Db2	10.5.0.10	All	All	All
Application	Ibm	Db2	10.5.0.2	All	All	All
Application	Ibm	Db2	10.5.0.3	All	All	All
Application	Ibm	Db2	10.5.0.4	All	All	All
Application	Ibm	Db2	10.5.0.5	All	All	All
Application	Ibm	Db2	10.5.0.6	All	All	All
Application	Ibm	Db2	10.5.0.7	All	All	All
Application	Ibm	Db2	10.5.0.8	All	All	All
Application	Ibm	Db2	10.5.0.9	All	All	All
Application	Ibm	Db2	11.1.0.0	All	All	All
Application	Ibm	Db2	11.1.1.1	All	All	All
Application	Ibm	Db2	11.1.2.2	All	All	All

Application	lbn	Db2	11.1.3.3	All	All	All
Application	lbn	Db2	11.1.4.4	All	All	All
Application	lbn	Db2	9.7.0.0	All	All	All
Application	lbn	Db2	9.7.0.1	All	All	All
Application	lbn	Db2	9.7.0.10	All	All	All
Application	lbn	Db2	9.7.0.11	All	All	All
Application	lbn	Db2	9.7.0.2	All	All	All
Application	lbn	Db2	9.7.0.3	All	All	All
Application	lbn	Db2	9.7.0.4	All	All	All
Application	lbn	Db2	9.7.0.5	All	All	All
Application	lbn	Db2	9.7.0.6	All	All	All
Application	lbn	Db2	9.7.0.7	All	All	All
Application	lbn	Db2	9.7.0.8	All	All	All
Application	lbn	Db2	9.7.0.9	All	All	All
Application	lbn	Db2	10.1.0.0	All	All	All
Application	lbn	Db2	10.1.0.1	All	All	All
Application	lbn	Db2	10.1.0.2	All	All	All
Application	lbn	Db2	10.1.0.3	All	All	All
Application	lbn	Db2	10.1.0.4	All	All	All
Application	lbn	Db2	10.1.0.5	All	All	All
Application	lbn	Db2	10.1.0.6	All	All	All
Application	lbn	Db2	10.5.0.0	All	All	All
Application	lbn	Db2	10.5.0.1	All	All	All
Application	lbn	Db2	10.5.0.10	All	All	All
Application	lbn	Db2	10.5.0.2	All	All	All
Application	lbn	Db2	10.5.0.3	All	All	All
Application	lbn	Db2	10.5.0.4	All	All	All
Application	lbn	Db2	10.5.0.5	All	All	All
Application	lbn	Db2	10.5.0.6	All	All	All
Application	lbn	Db2	10.5.0.7	All	All	All
Application	lbn	Db2	10.5.0.8	All	All	All
Application	lbn	Db2	10.5.0.9	All	All	All
Application	lbn	Db2	11.1.0.0	All	All	All
Application	lbn	Db2	11.1.1.1	All	All	All
Application	lbn	Db2	11.1.2.2	All	All	All

Application	Ibm	Db2	11.1.3.3	All	All	All
Application	Ibm	Db2	11.1.4.4	All	All	All
Application	Ibm	Db2	9.7.0.0	All	All	All
Application	Ibm	Db2	9.7.0.1	All	All	All
Application	Ibm	Db2	9.7.0.10	All	All	All
Application	Ibm	Db2	9.7.0.11	All	All	All
Application	Ibm	Db2	9.7.0.2	All	All	All
Application	Ibm	Db2	9.7.0.3	All	All	All
Application	Ibm	Db2	9.7.0.4	All	All	All
Application	Ibm	Db2	9.7.0.5	All	All	All
Application	Ibm	Db2	9.7.0.6	All	All	All
Application	Ibm	Db2	9.7.0.7	All	All	All
Application	Ibm	Db2	9.7.0.8	All	All	All
Application	Ibm	Db2	9.7.0.9	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Microsoft	Windows	-	All	All	All
Operating System	Microsoft	Windows	-	All	All	All
cpe:2.3:a:ibm:db2:10.1.0.0:*****:						
cpe:2.3:a:ibm:db2:10.1.0.1:*****:						
cpe:2.3:a:ibm:db2:10.1.0.2:*****:						
cpe:2.3:a:ibm:db2:10.1.0.3:*****:						
cpe:2.3:a:ibm:db2:10.1.0.4:*****:						
cpe:2.3:a:ibm:db2:10.1.0.5:*****:						
cpe:2.3:a:ibm:db2:10.1.0.6:*****:						
cpe:2.3:a:ibm:db2:10.5.0.0:*****:						
cpe:2.3:a:ibm:db2:10.5.0.1:*****:						
cpe:2.3:a:ibm:db2:10.5.0.10:*****:						
cpe:2.3:a:ibm:db2:10.5.0.2:*****:						
cpe:2.3:a:ibm:db2:10.5.0.3:*****:						

cpe:2.3:a:ibm:db2:10.5.0.4:*****:
cpe:2.3:a:ibm:db2:10.5.0.5:*****:
cpe:2.3:a:ibm:db2:10.5.0.6:*****:
cpe:2.3:a:ibm:db2:10.5.0.7:*****:
cpe:2.3:a:ibm:db2:10.5.0.8:*****:
cpe:2.3:a:ibm:db2:10.5.0.9:*****:
cpe:2.3:a:ibm:db2:11.1.0.0:*****:
cpe:2.3:a:ibm:db2:11.1.1.1:*****:
cpe:2.3:a:ibm:db2:11.1.2.2:*****:
cpe:2.3:a:ibm:db2:11.1.3.3:*****:
cpe:2.3:a:ibm:db2:11.1.4.4:*****:
cpe:2.3:a:ibm:db2:9.7.0.0:*****:
cpe:2.3:a:ibm:db2:9.7.0.1:*****:
cpe:2.3:a:ibm:db2:9.7.0.10:*****:
cpe:2.3:a:ibm:db2:9.7.0.11:*****:
cpe:2.3:a:ibm:db2:9.7.0.2:*****:
cpe:2.3:a:ibm:db2:9.7.0.3:*****:
cpe:2.3:a:ibm:db2:9.7.0.4:*****:
cpe:2.3:a:ibm:db2:9.7.0.5:*****:
cpe:2.3:a:ibm:db2:9.7.0.6:*****:
cpe:2.3:a:ibm:db2:9.7.0.7:*****:
cpe:2.3:a:ibm:db2:9.7.0.8:*****:
cpe:2.3:a:ibm:db2:9.7.0.9:*****:
cpe:2.3:a:ibm:db2:10.1.0.0:*****:
cpe:2.3:a:ibm:db2:10.1.0.1:*****:
cpe:2.3:a:ibm:db2:10.1.0.2:*****:
cpe:2.3:a:ibm:db2:10.1.0.3:*****:
cpe:2.3:a:ibm:db2:10.1.0.4:*****:
cpe:2.3:a:ibm:db2:10.1.0.5:*****:

cpe:2.3:a:ibm:db2:10.1.0.6:*****:
cpe:2.3:a:ibm:db2:10.5.0.0:*****:
cpe:2.3:a:ibm:db2:10.5.0.1:*****:
cpe:2.3:a:ibm:db2:10.5.0.10:*****:
cpe:2.3:a:ibm:db2:10.5.0.2:*****:
cpe:2.3:a:ibm:db2:10.5.0.3:*****:
cpe:2.3:a:ibm:db2:10.5.0.4:*****:
cpe:2.3:a:ibm:db2:10.5.0.5:*****:
cpe:2.3:a:ibm:db2:10.5.0.6:*****:
cpe:2.3:a:ibm:db2:10.5.0.7:*****:
cpe:2.3:a:ibm:db2:10.5.0.8:*****:
cpe:2.3:a:ibm:db2:10.5.0.9:*****:
cpe:2.3:a:ibm:db2:11.1.0.0:*****:
cpe:2.3:a:ibm:db2:11.1.1.1:*****:
cpe:2.3:a:ibm:db2:11.1.2.2:*****:
cpe:2.3:a:ibm:db2:11.1.3.3:*****:
cpe:2.3:a:ibm:db2:11.1.4.4:*****:
cpe:2.3:a:ibm:db2:9.7.0.0:*****:
cpe:2.3:a:ibm:db2:9.7.0.1:*****:
cpe:2.3:a:ibm:db2:9.7.0.10:*****:
cpe:2.3:a:ibm:db2:9.7.0.11:*****:
cpe:2.3:a:ibm:db2:9.7.0.2:*****:
cpe:2.3:a:ibm:db2:9.7.0.3:*****:
cpe:2.3:a:ibm:db2:9.7.0.4:*****:
cpe:2.3:a:ibm:db2:9.7.0.5:*****:
cpe:2.3:a:ibm:db2:9.7.0.6:*****:
cpe:2.3:a:ibm:db2:9.7.0.7:*****:
cpe:2.3:a:ibm:db2:9.7.0.8:*****:

cpe:2.3:a:ibm:db2:9.7.0.9:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:
cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:
cpe:2.3:o:microsoft:windows:*:*:*:*:*:
cpe:2.3:o:microsoft:windows:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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