



# CVE-2018-1544

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## CVE-2018-1544

[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 a local user to overflow a buffer which may result in a privilege escalation to the DB2 instance owner. IBM X-Force ID: 142648.

CVE-2018-1544 has been assigned by [psirt@us.ibm.com](#) to track the vulnerability - currently rated as **HIGH** 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: **7.8 - HIGH**

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

CVSS2 Score: **4.6 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| LOCAL                  | LOW               | NONE                |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| PARTIAL                | PARTIAL           | PARTIAL             |

## CVE References

| Description                                                                                                                          | Tags                                                                                                                                                                                   | Link                                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IBM X-Force Exchange                                                                                                                 | <a href="#">VDB Entry</a><br><a href="#">Vendor Advisory</a><br><a href="https://exchange.xforce.ibmcloud.com/text/html">exchange.xforce.ibmcloud.com</a><br><a href="#">text/html</a> |  <a href="#">XF ibm-db2-cve20181544-bo(142648)</a>                                                                                                |
| IBM DB2 Buffer Overflows in db2exmig and db2exfmt Let Local Users Execute Arbitrary Code - SecurityTracker                           | <a href="#">Third Party Advisory</a><br><a href="#">VDB Entry</a><br><a href="https://www.securitytracker.com/text/html">www.securitytracker.com</a><br><a href="#">text/html</a>      |  <a href="#">SECTrack 1040967</a>                                                                                                                 |
| Security Bulletin: Multiple vulnerabilities affect db2exmig and db2exfmt tools shipped with IBM® Db2® (CVE-2018-1544, CVE-2018-1565) | <a href="#">Vendor Advisory</a><br><a href="https://www.ibm.com/text/html">www.ibm.com</a><br><a href="#">text/html</a>                                                                |  <a href="#">CONFIRM</a><br><a href="https://www.ibm.com/support/docview.wss?uid=swg22016143">www.ibm.com/support/docview.wss?uid=swg22016143</a> |

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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      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 10.1    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 10.5    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 11.1    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 9.7     | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 10.1    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 10.5    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 11.1    | All    | All     | All      |
| Application      | <a href="#">Ibm</a>       | <a href="#">Db2</a>          | 9.7     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | All     | All    | All     | All      |
| Operating System | <a href="#">Linux</a>     | <a href="#">Linux Kernel</a> | All     | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows</a>      | -       | All    | All     | All      |
| Operating System | <a href="#">Microsoft</a> | <a href="#">Windows</a>      | -       | All    | All     | All      |

cpe:2.3:a:ibm:db2:10.1:\*:\*:\*:\*:\*:

cpe:2.3:a:ibm:db2:10.5:\*:\*:\*:\*:\*:

cpe:2.3:a:ibm:db2:11.1:\*:\*:\*:\*:\*:

|                                          |
|------------------------------------------|
| cpe:2.3:a:ibm:db2:9.7:*:*:*:*:*:         |
| cpe:2.3:a:ibm:db2:10.1:*:*:*:*:*:        |
| cpe:2.3:a:ibm:db2:10.5:*:*:*:*:*:        |
| cpe:2.3:a:ibm:db2:11.1:*:*:*:*:*:        |
| cpe:2.3:a:ibm:db2:9.7:*:*:*:*:*:         |
| 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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