



# CVE-2021-20423

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## CVE-2021-20423

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Cloud Pak For Applications](#) from [Ibm](#) contain the following vulnerability:

IBM Cloud Pak for Applications 4.3 could allow an authenticated user gain escalated privileges due to improper application permissions. IBM X-Force ID: 196308.

CVE-2021-20423 has been assigned by [psirt@us.ibm.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [IBM](#) - **Cloud Pak for Applications** version 4.3

CVSS3 Score: **8.8 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **6.5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>SINGLE</b>       |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description                                                                                                                                                                                | Tags                                                     | Link                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------|
| Security Bulletin: IBM Cloud Pak for Applications v4.3 does not properly assign, modify, track, or check privileges for an actor, creating an unintended sphere of control for that actor. | <a href="#">www.ibm.com</a><br><a href="#">text/html</a> | <a href="#">CONFIRM</a><br><a href="#">www.ibm.com/support/pages/node/6471329</a> |

action, creating an authenticated session or similar for that action.

IBM X-Force Exchange

[exchange.xforce.ibmcloud.com](https://exchange.xforce.ibmcloud.com)

[text/html](#)

 [XF ibm-cp4a-cve202120423-priv-escalation \(196308\)](#)

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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="#">Cloud Pak For Applications</a> | All     | All    | All     | All      |
| cpe:2.3:a:ibm:cloud_pak_for_applications:*:*:*:*:*:*: |                     |                                            |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                        | Title                                                                                                                                                                                                   | Posted (UTC)        |
|-----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport | CVE-2021-20423 : #IBM Cloud Pak for Applications 4.3 could allow an authenticated user gain escalated privileges d... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2021-07-13 16:17:43 |
|  /r/netcve  | <a href="#">CVE-2021-20423</a>                                                                                                                                                                          | 2021-07-13 16:41:28 |

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