



CVE-2020-4876

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

CVSS:31/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:N/A:L



Certain versions of [Cognos Controller](#) from [Ibm](#) contain the following vulnerability:

IBM Cognos Controller 10.4.0, 10.4.1, and 10.4.2 is vulnerable to an XML External Entity Injection (XXE) attack when processing XML data. A remote attacker could exploit this vulnerability to expose sensitive information or consume memory resources. IBM X-Force ID: 190839.

CVE-2020-4876 has been assigned by [psirt@us.ibm.com](#) to track the vulnerability - currently rated as **HIGH** severity.

Affected Vendor/Software: [IBM](#) - **Cognos Controller** version **10.4.0**

Affected Vendor/Software: [IBM](#) - **Cognos Controller** version **10.4.1**

Affected Vendor/Software: [IBM](#) - **Cognos Controller** version **10.4.2**

CVSS3 Score: **8.2 - HIGH**

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

CVSS2 Score: **6.4 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	PARTIAL

CVE References

Description	Tags	Link
IBM X-Force Exchange	exchange.xforce.ibmcloud.com text/html	 XF ibm-cognos-cve20204876-xxe (190839)
Security Bulletin: IBM Cognos Controller has addressed multiple vulnerabilities	www.ibm.com text/html	 CONFIRM www.ibm.com/support/pages/node/6509856
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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	Cognos Controller	10.4.0	All	All	All
Application	ibm	Cognos Controller	10.4.1	All	All	All
Application	ibm	Cognos Controller	10.4.2	All	All	All
Operating System	Microsoft	Windows	-	All	All	All
cpe:2.3:a:ibm:cognos_controller:10.4.0:*:*:*:*:*:						
cpe:2.3:a:ibm:cognos_controller:10.4.1:*:*:*:*:*:						
cpe:2.3:a:ibm:cognos_controller:10.4.2:*:*:*:*:*:						
cpe:2.3:o:microsoft:windows:-:*:*:*:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2020-4876 : #IBM Cognos Controller 10.4.0, 10.4.1, and 10.4.2 is vulnerable to an XML External Entity Injection... twitter.com/i/web/status/1...	2022-01-21 17:24:38
 /r/netcve	CVE-2020-4876	2022-01-21 18:38:55

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