



CVE-2020-4207

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CVE-2020-4207

Source: [Mitre](#)

Source: [NIST](#)

[CVE.ORG](#)

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Certain versions of [lot Messagesight](#) from [ibm](#) contain the following vulnerability:

IBM Watson IoT Message Gateway 2.0.0.x, 5.0.0.0, 5.0.0.1, and 5.0.0.2 is vulnerable to a buffer overflow, caused by improper bounds checking when handling a failed HTTP request with specific content in the headers. By sending a specially crafted HTTP request, a remote attacker could overflow a buffer and execute arbitrary code on the system or cause a denial of service. IBM X-Force ID: 174972.

CVE-2020-4207 has been assigned by [psirt@us.ibm.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: [IBM](#) - **WIoT MessageGateway** version **5.0.0.1**

Affected Vendor/Software: [IBM](#) - **IoT MessageSight** version **2.0**

Affected Vendor/Software: [IBM](#) - **IoT MessageSight** version **5.0.0.0**

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
IBM X-Force Exchange	VDB Entry Vendor Advisory exchange.xforce.ibmcloud.com text/html	 XF ibm-watson-cve20204207-code-exec (174972)
Security Bulletin: IBM Watson IoT MessageGateway Server is affected by a buffer overflow vulnerability (CVE-2020-4207)	Vendor Advisory www.ibm.com text/html	 CONFIRM www.ibm.com/support/pages/node/1283626

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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	Iot Messagesight	All	All	All	All
Application	Ibm	Iot Messagesight	5.0.0.0	All	All	All
Application	Ibm	Iot Messagesight	All	All	All	All
Application	Ibm	Iot Messagesight	5.0.0.0	All	All	All
Application	Ibm	Watson Iot Platform - Message Gateway	5.0.0.1	All	All	All
Application	Ibm	Watson Iot Platform - Message Gateway	5.0.0.1	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Linux	Linux Kernel	-	All	All	All
cpe:2.3:a:ibm:iot_messagesight:~::~::~:						
cpe:2.3:a:ibm:iot_messagesight:5.0.0.0:~::~::~:						
cpe:2.3:a:ibm:iot_messagesight:~::~::~:						
cpe:2.3:a:ibm:iot_messagesight:5.0.0.0:~::~::~:						
cpe:2.3:a:ibm:watson_iot_platform_-_message_gateway:5.0.0.1:~::~::~:						
cpe:2.3:a:ibm:watson_iot_platform_-_message_gateway:5.0.0.1:~::~::~:						
cpe:2.3:o:linux:linux_kernel:~::~::~:						
cpe:2.3:o:linux:linux_kernel:~::~::~:						

No vendor comments have been submitted for this CVE

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