



CVE-2019-13445

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CVE-2019-13445

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

Certain versions of [Ros-comm](#) from [Ros](#) contain the following vulnerability:

An issue was discovered in the ROS communications-related packages (aka `ros_comm` or `ros-melodic-ros-comm`) through 1.14.3. `parseOptions()` in `tools/rosbag/src/record.cpp` has an integer overflow when a crafted split option can be entered on the command line.

CVE-2019-13445 has been assigned by [M](#) `cve@mitre.org` to track the vulnerability - currently rated as **CRITICAL** severity.

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
rosvag/record: fix potential signed int overflow by cwecht · Pull Request #1741 · ros/ros_comm · GitHub	Patch Third Party Advisory github.com text/html	CONFIRM github.com/ros/ros_comm/pull/1741

CVE-2019-13445: potential integer overflow · Issue #1738 · ros/ros_comm · GitHub

Exploit
Third Party Advisory
github.com
text/html

CONFIRM
github.com/ros/ros_comm/issues/1738

ros_comm/record.cpp at melodic-devel · ros/ros_comm · GitHub

Exploit
Third Party Advisory
github.com
text/html

MISC
github.com/ros/ros_comm/blob/melodic-devel/tools/rosbag/src/record.cpp#L129

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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	Ros	Ros-comm	All	All	All	All

cpe:2.3:a:ros:ros-comm:*****:*****:*

No vendor comments have been submitted for this CVE

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