



CVE-2020-10272

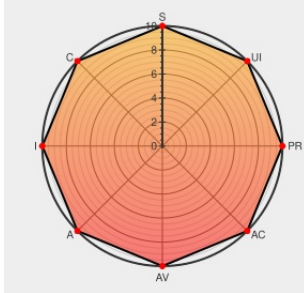
Published on: 06/24/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:23:33 PM UTC

CVE-2020-10272

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

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:C/C:H/I:H/A:H



Certain versions of [Mir100](#) from [Aliasrobotics](#) contain the following vulnerability:

MiR100, MiR200 and other MiR robots use the Robot Operating System (ROS) default packages exposing the computational graph without any sort of authentication. This allows attackers with access to the internal wireless and wired networks to take control of the robot seamlessly. In combination with CVE-2020-10269 and CVE-2020-10271, this flaw allows malicious actors to command the robot at desire.

CVE-2020-10272 has been assigned by cve@aliasrobotics.com to track the vulnerability - currently rated as **CRITICAL** severity.

Affected Vendor/Software: **Mobile Industrial Robots A/S - MiR100 version v2.8.1.1 and before**

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: **10 - HIGH**

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

CVE References

Description	Tags	Link
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RVD#2554: MiR ROS computational graph presents no authentication mechanisms · Issue #2554 · aliasrobotics/RVD · GitHub

Exploit

Third Party Advisory

github.com

text/html

 **CONFIRM**
github.com/aliasrobotics/RVD/issues/2554

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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
Hardware 	Aliasrobotics	Mir100	-	All	All	All
Hardware 	Aliasrobotics	Mir100	-	All	All	All
Hardware 	Aliasrobotics	Mir1000	-	All	All	All
Hardware 	Aliasrobotics	Mir1000	-	All	All	All
Operating System	Aliasrobotics	Mir1000 Firmware	All	All	All	All
Operating System	Aliasrobotics	Mir100 Firmware	All	All	All	All
Hardware 	Aliasrobotics	Mir200	-	All	All	All
Hardware 	Aliasrobotics	Mir200	-	All	All	All
Operating System	Aliasrobotics	Mir200 Firmware	All	All	All	All
Hardware 	Aliasrobotics	Mir250	-	All	All	All
Hardware 	Aliasrobotics	Mir250	-	All	All	All
Operating System	Aliasrobotics	Mir250 Firmware	All	All	All	All
Hardware 	Aliasrobotics	Mir500	-	All	All	All
Hardware 	Aliasrobotics	Mir500	-	All	All	All
Operating System	Aliasrobotics	Mir500 Firmware	All	All	All	All
Hardware 	Enabled-robotics	Er-flex	-	All	All	All
Hardware 	Enabled-robotics	Er-flex	-	All	All	All
Operating System	Enabled-robotics	Er-flex Firmware	All	All	All	All
Hardware 	Enabled-robotics	Er-lite	-	All	All	All
Hardware 	Enabled-robotics	Er-lite	-	All	All	All

Operating System	Enabled-robotics	Er-lite Firmware	All	All	All	All
Hardware  	Enabled-robotics	Er-one	-	All	All	All
Hardware  	Enabled-robotics	Er-one	-	All	All	All
Operating System	Enabled-robotics	Er-one Firmware	All	All	All	All
Hardware  	Mobile-industrial-robotics	Er200	-	All	All	All
Hardware  	Mobile-industrial-robotics	Er200	-	All	All	All
Operating System	Mobile-industrial-robotics	Er200 Firmware	All	All	All	All
Hardware  	Uvd-robots	Uvd Robots	-	All	All	All
Hardware  	Uvd-robots	Uvd Robots	-	All	All	All
Operating System	Uvd-robots	Uvd Robots Firmware	All	All	All	All
cpe:2.3:h:aliasrobotics:mir100:-:*:*:*:*:*:						
cpe:2.3:h:aliasrobotics:mir100:-:*:*:*:*:*:						
cpe:2.3:h:aliasrobotics:mir1000:-:*:*:*:*:*:						
cpe:2.3:h:aliasrobotics:mir1000:-:*:*:*:*:*:						
cpe:2.3:o:aliasrobotics:mir1000_firmware:*:*:*:*:*:						
cpe:2.3:o:aliasrobotics:mir100_firmware:*:*:*:*:*:						
cpe:2.3:h:aliasrobotics:mir200:-:*:*:*:*::~:						
cpe:2.3:h:aliasrobotics:mir200:-:*:*:*:*::~:						
cpe:2.3:o:aliasrobotics:mir200_firmware:*:*:*:*::~:						
cpe:2.3:h:aliasrobotics:mir250:-:*:*:*:*::~:						
cpe:2.3:h:aliasrobotics:mir250:-:*:*:*:*::~:						
cpe:2.3:o:aliasrobotics:mir250_firmware:*:*:*:*::~:						
cpe:2.3:h:aliasrobotics:mir500:-:*:*:*:*::~:						
cpe:2.3:h:aliasrobotics:mir500:-:*:*:*:*::~:						
cpe:2.3:o:aliasrobotics:mir500_firmware:*:*:*:*::~:						
cpe:2.3:h:enabled-robotics:er-flex:-:*:*:*:*::~:						
cpe:2.3:h:enabled-robotics:er-flex:-:*:*:*:*::~:						
cpe:2.3:o:enabled-robotics:er-flex_firmware:*:*:*:*::~:						

cpe:2.3:h:enabled-robotics:er-lite:-:~::~::~:
cpe:2.3:h:enabled-robotics:er-lite:-:~::~::~:
cpe:2.3:o:enabled-robotics:er-lite_firmware::~::~:
cpe:2.3:h:enabled-robotics:er-one:-:~::~::~:
cpe:2.3:h:enabled-robotics:er-one:-:~::~::~:
cpe:2.3:o:enabled-robotics:er-one_firmware::~::~:
cpe:2.3:h:mobile-industrial-robotics:er200:-:~::~::~:
cpe:2.3:h:mobile-industrial-robotics:er200:-:~::~::~:
cpe:2.3:o:mobile-industrial-robotics:er200_firmware::~::~:
cpe:2.3:h:uvd-robots:uvd_robots:-:~::~::~:
cpe:2.3:h:uvd-robots:uvd_robots:-:~::~::~:
cpe:2.3:o:uvd-robots:uvd_robots_firmware::~::~:

Discovery Credit

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