CVE-2020-10270

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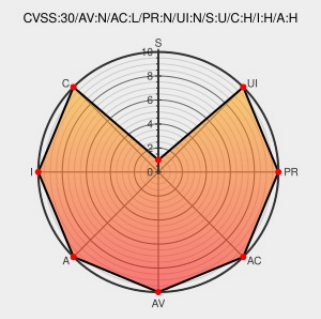

Certain versions of Mir100 from Aliasrobotics contain the following vulnerability:

Out of the wired and wireless interfaces within MiR100, MiR200 and other vehicles from the MiR fleet, it's possible to access the Control Dashboard on a hardcoded IP address. Credentials to such wireless interface default to well known and widely spread users (omitted) and passwords (omitted). This information is also available in past User Guides and manuals which the vendor distributed. This flaw allows cyber attackers to take control of the robot remotely and make use of the default user interfaces MiR has created, lowering the complexity of attacks and making them available to entry-level attackers. More elaborated attacks can also be established by clearing authentication and sending network requests directly. We have confirmed this flaw in MiR100 and MiR200 but according to the vendor, it might also apply to MiR250, MiR500 and MiR1000.

CVE-2020-10270 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: 5 - MEDIUM

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

PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
RVD#2557: Hardcoded Credentials on MiRX00 Control Dashboard · Issue #2557 · aliasrobotics/RVD · GitHub	Exploit Third Party Advisory github.com text/html	CONFIRM github.com/aliasrobotics/RVD/issues/2557

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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:-:*:*:*:*:*:*:*:

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cpe:2.3:o:aliasrobotics:mir200_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:aliasrobotics:mir250:-:*:*:*:*:*:*:*:

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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:-:*:*:*:*:*:*:*:

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cpe:2.3:o:enabled-robotics:er-flex_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:enabled-robotics:er-lite:-:*:*:*:*:*:*:*:

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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

Alias Robotics (https://aliasrobotics.com/)

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