

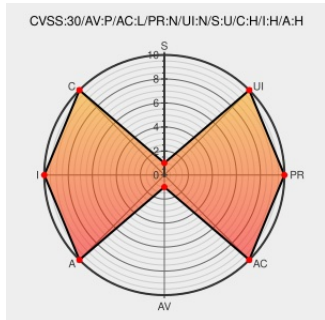


CVE-2020-10290

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CVE-2020-10290

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

Certain versions of [Urx](#) from [Sintef](#) contain the following vulnerability:

Universal Robots controller execute URCaps (zip files containing Java-powered applications) without any permission restrictions and a wide API that presents many primitives that can compromise the overall robot operations as demonstrated in our video. In our PoC we demonstrate how a malicious actor could 'cook' a custom URCap that when deployed by the user (intendedly or unintendedly) compromises

the system

CVE-2020-10290 has been assigned by cve@aliasrobotics.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **Universal Robots** - **URx** version

CVSS3 Score: **6.8 - MEDIUM**

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

CVSS2 Score: **7.2 - HIGH**

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

CVE References

Description	Tags	Link
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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
Operating System	Sintef	Urx	-	All	All	All
Operating System	Sintef	Urx	-	All	All	All
cpe:2.3:o:sintef:urx:-:*:*:*:*:*:						
cpe:2.3:o:sintef:urx:-:*:*:*:*:*:						

Discovery Credit

Victor Mayoral Vilches and Unai Ayucar Carbajo (Alias Robotics)

Social Mentions

Source	Title	Posted (UTC)
 @d0tslash	Neat, now I'm gonna have to look around for al the @rosorg specific vendor screwup CVE's like CVE-2020-10290.... twitter.com/i/web/status/1...	2022-10-18 01:28:12

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