

Security Advisory: ID 20210525**Multiple Vulnerabilities in RUCKUS IoT Controller (CVE-2021-33221, CVE-2021-33220, CVE-2021-33219, CVE-2021-33218, CVE-2021-33217, CVE-2021-33216, and CVE-2021-33215)**

Internal Release Date: **05/25/2021**

Public Release: **05/25/2021**

What is the issue?

Several critical vulnerabilities are found in RUCKUS IoT Controller. These vulnerabilities allow a remote attacker to retrieve sensitive information, perform factory reset, and read/write arbitrary files on the vulnerable system.

The following table provides a list of the applicable CVE IDs and a high-level description of each vulnerability:

CVE ID	Description
CVE-2021-33221	Three APIs are accessible without authentication. Two of the endpoints result in information leakage and consumption of computing/storage resources. The third API allows for a factory reset of the device.
CVE-2021-33220	Hard-coded API keys.
CVE-2021-33218	Various hard-coded credentials for restricted shell access.
CVE-2021-33219	Various hard-coded credentials for web services.
CVE-2021-33215 CVE-2021-33217	Arbitrary directory traversal with root privilege for authenticated, remote attacker.
CVE-2021-33216	Hard-coded access for restricted shell.

RUCKUS would like to recognize and thank Jim Becher of KoreLogic for finding and reporting these issues to us.

What action should I take?

RUCKUS is releasing the fix for these vulnerability through a software update. Since these are very critical issues, all affected customers are strongly encouraged to apply the fix once available.

In case of any questions contact RUCKUS TAC through regular means as described at <https://support.ruckuswireless.com/contact-us> and refer to this document to validate this entitlement.

Are there any workarounds available?

There is no workaround that addresses these vulnerabilities.

What is the impact on RUCKUS products?

The following table describes the vulnerable products, software versions, and the recommended

actions.

Product	Vulnerable Release	Resolution	Release Date
RUCKUS IoT Controller	R1.7.1.0 GA and earlier	Upgrade to R1.8.0.0	5/21/2021

When will this RUCKUS Security Advisory be publicly posted?

RUCKUS released the initial security advisory to RUCKUS field teams on: 05/25/2021

RUCKUS released the initial security advisory to customers on: 05/25/2021

Public posting: 05/25/2021

Revision History

Version	ID	Change	Date
1.0	20210525	Initial Release	May 25, 2021

RUCKUS Support

The RUCKUS Customer Services & Support organization can be contacted via phone, chat, and through our web portal. Details at <https://support.ruckuswireless.com/contact-us>.

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