OUTBREAK ALERTS





Apache RocketMQ Remote Command Execution Vulnerability

Open source software actively exploited https://lists.apache.org/thread/1s8j2c8kogthtpv3060yddk03zq0pxyp

CVEs: CVE-2023-33246

RocketMQ versions 5.1.0 and below are vulnerable to Arbitrary Code Injection. Broker component of RocketMQ is leaked on the extranet and lack

RocketMQ protocol content. CVE-2023-33246 is reportedly being exploited in the wild. Additionally, proof-of-concept (PoC) code is publicly available. Background RocketMQ is a distributed messaging and streaming platform. It was open sourced by Alibaba in 2012. In 2016,

permission verification. An attacker can exploit this vulnerability by using the update configuration function to execute commands or by forging the

Alibaba donated RocketMQ to the Apache Software Foundation and is Apache Software Foundation announced it as a Top-level project. According to the vendor, RocketMQ has become the industry standard for financial-grade reliable business messages and is widely used in Internet, big data, mobile Internet, IoT, and other fields. May 23, 2023: RocketMQ team released patch and advisory about the vulnerability

Announced

Jun 22, 2023: FortiGuard Labs released a Threat signal on CVE-2023-33246. https://www.fortiguard.com/threat-signal-report/5203

https://lists.apache.org/thread/1s8j2c8kogthtpv3060yddk03zq0pxyp

Latest Developments

To mitigate the risk completely, users are recommended to upgrade to version 5.1.1 or above for (RocketMQ 5.x) and 4.9.6 or above for using (RocketMQ 4.x).

29 June, 2023: FortiGuard Labs released an IPS signature to detect and block attacks leveraging CVE-2023-

33246 and has blocked attack attempts on upto 1000+ unique IPS devices since the release.

https://lists.apache.org/thread/1s8j2c8kogthtpv3060yddk03zq0pxyp

06 Sept, 2023: CISA added CVE-2023-33246 to its known exploited catalog list (KEV)



events:

PROTECT

Reconnaissance Weaponization

Countermeasures across the security fabric for protecting assets, data and network from cybersecurity

Delivery

Exploitation

Detects and blocks attack attempts related to Apache RocketMQ Remote Command Execution Vulnerability (CVE-2023-33246)

IPS

FortiGate FortiSASE FortiNDR FortiADC FortiProxy DB 24.593 DB 24.593 DB 24.593 DB 24.593 DB 24.593



Web App Security





FortiEDR

v4.0+

Installation

Post-execution



Outbreak Detection

DETECT

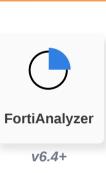
alert and generate reports:

FortiAnalyzer

Find and correlate important information to identify an outbreak, the following updates are available to raise







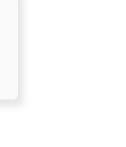
M

FortiSIEM

DB 409

Content Update

DB 2.00010



RESPOND

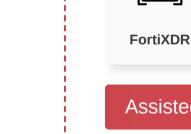
Services that can automatically respond to this outbreak.

Automated Response

Develop containment techniques to mitigate impacts of security events:

FortiSIEM

v6.5+



Assisted Response Services

FortiRecon:

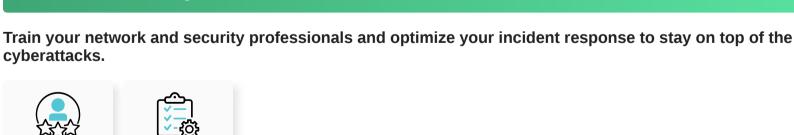
ACI

RECOVER

Experts to assist you with analysis, containment and response activities.



Response



Response

Readiness



End-User Training

and other forms of cyberattacks.

Awareness &

Check Security Fabric devices to build actionable configuration recommendations and key indicators.

Raise security awareness to your employees that are continuously being targetted by phishing, drive-by download

Improve security posture and processes by implementing security awareness and training, in preparation for



Identify processes and assets that need protection: Attack Surface Hardening

Security Rating



FortiRecon: **EASM**

Business Reputation

Additional Resources Apache Advisory https://lists.apache.org/thread/1s8j2c8kogthtpv3060yddk03zq0pxyp

Learn more about FortiGuard Outbreak Alerts

