F#RTINET.

## **OUTBREAK ALERTS**





## VMware Aria Operations for Networks Command Injection Vulnerability

### Actively exploited in the wild

https://www.vmware.com/security/advisories/VMSA-2023-0012.html

CVEs: CVE-2023-20887

VMware Aria Operations for Networks (formerly vRealize Network Insight) contains a command injection vulnerability that allows a malicious actor with network access to perform an attack resulting in remote code execution. According to the vendor advisory, the vulnerability has been seen exploited in the wild.

Background

VMware Aria Operations for Networks is a network monitoring tool that helps to build an optimized, highly available and secure network infrastructure across multicloud environments. It consists both SaaS and on-premises solutions. Early June, 2023, VMware Aria Operations for Networks update was released which addressed multiple vulnerabilities. (CVE-2023-20887, CVE-2023-20888, CVE-2023-20889). VMware has confirmed that exploit code (proof-of-concept) for CVE-2023-20887 is available online.

**Announced** 

June 22, 2023: CISA added CVE-2023-20887 to its known exploited vulnerability catalog (KEV).

**Latest Developments** 

June 22, 2023: FortiGuard Labs has released the IPS signature to block any attack attempts targeting the

provided. https://kb.vmware.com/s/article/92684

vulnerability (CVE-2023-20887). To remediate risk completely, apply the updates listed on the vendor links



Reconnaissance

Weaponization

**IPS** 

Delivery

**FortiGate** DB 24.588

**FortiSASE** 

**FortiADC** 

DB 1.00043

**FortiWeb** 

DB 0.00353

Installation

Post-execution

**FortiEDR** v4.0+

Action

### **Threat Hunting**

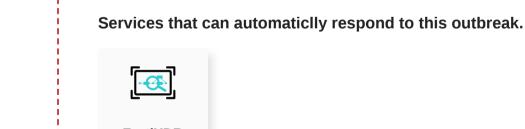
v6.4+



**Outbreak Detection** 

**Content Update** 

**FortiSIEM DB 409** 



## **FortiXDR**

**Assisted Response Services** 

Automated Response

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



Response

Improve security posture and processes by implementing security awareness and training, in preparation for (and recovery from) security incidents:

Response Readiness

**IDENTIFY** Identify processes and assets that need protection:

Attack Surface Monitoring (Inside & Outside)

FortiRecon:

including those introduced internally via software supply chain.

Security reconnaissance and penetration testing services, covering both internal & external attack vectors,



**EASM** 

# **Additional Resources**

**Bleeping Computer** 

**FortiGuard Threat Signal** 

**CISA KEV** 

https://www.bleepingcomputer.com/news/security/vmware-warns-of-critical-vrealize-flaw-exploited-in-attacks/

https://www.fortiguard.com/threat-signal-report/5202

https://www.cisa.gov/known-exploited-vulnerabilities-catalog

Learn more about FortiGuard Outbreak Alerts



June 7, 2023: VMware Aria Operations for Networks released security advisory. https://www.vmware.com/security/advisories/VMSA-2023-0012.html June 20, 2023: VMware confirmed that exploitation of CVE-2023-20887 has occurred in the wild.

**PROTECT** 

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

**Exploitation** 

Detects and Blocks attack attempts targeting vulnerable VMware Aria Operations (CVE-2023-20887)

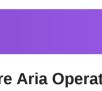
DB 24.588 Web App Security

**FortiNDR** 

DB 24.588

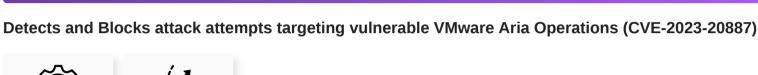
**FortiADC** 

DB 24.588

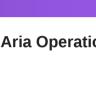


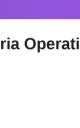
**FortiProxy** 

DB 24.588





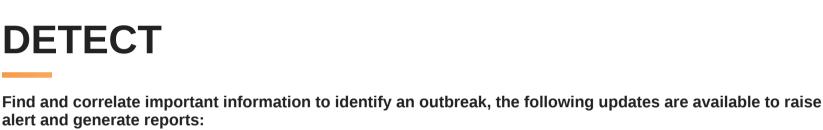












**FortiSIEM** 

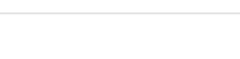
v6.5+





DB 2.00009





FortiRecon:

ACI

