F#RTINET.

OUTBREAK ALERTS





VMware ESXi Server Ransomware Attack

Ransomware targeting VMware ESXi OpenSLP vulnerability https://www.cert.ssi.gouv.fr/alerte/CERTFR-2023-ALE-015/

CVEs: CVE-2021-21974, CVE-2020-3992

ESXi servers vulnerable to the OpenSLP heap-overflow vulnerability (CVE-2021-21974) and OpenSLP remote code execution vulnerability (CVE-2020-3992) are being exploited through the OpenSLP, port 427 to deliver a new ransomware "ESXiArgs". The ransomware encrypts files in affected ESXi servers and demand a ransom for file decryption.

October 20, 2020: VMWare released a patch and advisory for CVE-2020-3992.

Background

Announced

https://www.vmware.com/security/advisories/VMSA-2020-0023.html

February 23, 2021: VMWare released a patch and advisory for CVE-2021-21974.

https://www.vmware.com/security/advisories/VMSA-2021-0002.html

February 03, 2023: CERT-FR posted an advisory for attack campaigns targeting vulnerable and unpatched VMware ESXi hypervisors with the aim of deploying ransomware.

https://www.cert.ssi.gouv.fr/alerte/CERTFR-2023-ALE-015/

Latest Developments

signatures released to detect and block any attack attempts related to the vulnerability (CVE-2021-21974, CVE-2020-3992) and has recently added Antivirus detections to block "ESXiArgs" ransomware attacks.

FortiGuard Labs is aware of exploitation reported in the wild. Fortinet's customer remain protected by the IPS

https://kb.vmware.com/s/article/7637 February 07, 2023: CISA Releases ESXiArgs Ransomware Recovery Script.

https://www.cisa.gov/uscert/ncas/current-activity/2023/02/07/cisa-releases-esxiargs-ransomware-recovery-script

The attack is primarily targetting ESXi servers in version before 7.0 U3i, through the OpenSLP port (427). To check your version of ESXi, please refer to your server page in your customer interface and steps to disable SLP service.

PROTECT

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

events:

Reconnaissance

Detect activities related to a ESXiArgs Ransomware Malware and prevents lateral movement on the network

FortiDeceptor v3.3+ Weaponization

Decoy VM

AV

Delivery

Block ESXiArgs Ransomware Malware





FortiWeb

DB 91.00334



FortiClient

DB 91.00334









FortiCWP



FortiEDR

DB 91.00334

Exploitation



DB 91.00334

FortiSASE

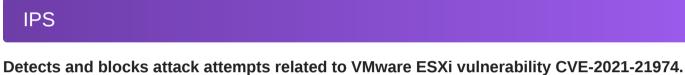


FortiNDR

FortiNDR

DB 91.00334





FortiGate

DB 22.402 DB 22.402 DB 22.402 DB 22.402 DB 22.402

FortiADC

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

FortiProxy





Outbreak Detection

DETECT

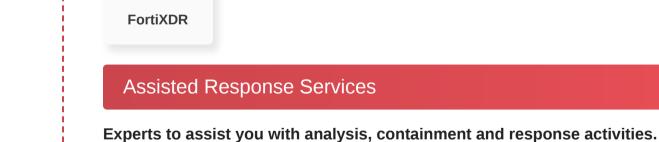
alert and generate reports:

Threat Hunting

FortiAnalyzer

DB 1.00086





Assisted Response Services

RESPOND

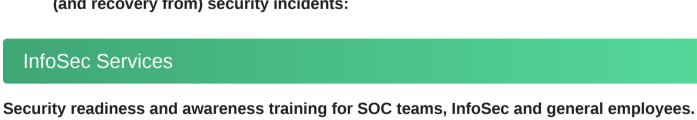
Automated Response

Develop containment techniques to mitigate impacts of security events:

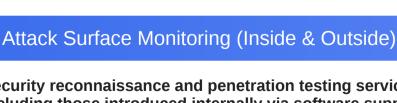
Response

Services that can automatically respond to this outbreak.





Response Readiness



Security reconnaissance and penetration testing services, covering both internal & external attack vectors, including those introduced internally via software supply chain.

Security Rating

Threat Signal

VMware

The Stack

Bleeping Computer



EASM



Additional Resources

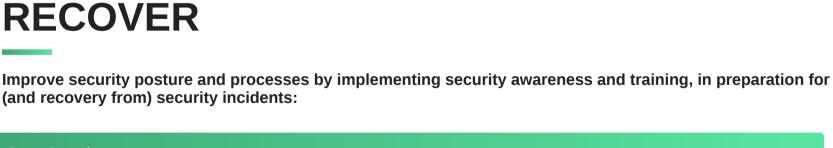
https://www.csirt.gov.it/contenuti/rilevato-lo-sfruttamento-massivo-della-cve-202121974-in-vmware-esxi-al01-230204-csirt-

https://www.helpnetsecurity.com/2023/02/06/vmware-esxi-ransomware-cve-2021-21974/ **Helpnet Security**

> worldwide/ https://thestack.technology/mass-esxi-ransomware-attacks-cve-2021-21974/

Learn more about FortiGuard Outbreak Alerts

FERTINET

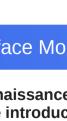




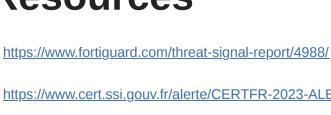












FortiDAST



<u>ita</u>

https://www.vmware.com/security/advisories/VMSA-2021-0002.html

https://www.bleepingcomputer.com/news/security/massive-esxiargs-ransomware-attack-targets-vmware-esxi-servers-

