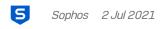


# Kaseya VSA Supply-Chain Ransomware Attack



First updated 2021-07-02, 19:50 UTC

Last updated 2021-07-06, 04:10 UTC

Sophos is aware of a supply chain attack that uses Kaseya to deploy a variant of the REvil ransomware into a victim's environment. The attack is geographically dispersed. Organizations running Kaseya VSA are potentially impacted. Kaseya has stated that the attack started around 14:00 EDT/18:00 UTC on Friday, July 2, 2021 and they are investigating the incident.

There's been a noticeable shift towards attacks on perimeter devices in recent years. Vulnerabilities in common internet facing devices allow attackers to compromise large numbers of systems at once with very little effort

It appears that the attackers used a zero-day vulnerability to remotely access internet facing VSA Servers. As Kaseya is primarily used by Managed Service Providers (MSPs) this approach gave the attackers privileged access to the devices of the MSP's customers. Some of the functionality of a VSA Server is the deployment of software and automation of IT tasks. As such, it has a high level of trust on customer devices. By infiltrating the VSA Server, any attached client will perform whatever task the VSA Server requests without question. This is likely one of the reasons why Kaseya was targeted.

For a detailed analysis of the attack, the malware used, and lessons learned, please see the SophosLabs Uncut article Independence Day: REvil uses supply chain exploit to attack hundreds of businesses.

We will update this location with more information as it becomes available.

## What should customers look for?

If a Sophos customer is running Kaseya they can be alerted to the attack via one or more of the following events

- A behavioral detection of "HPmal/Sodino-A", or "Impact\_4a (mem/sodino-a)" from Sophos Central Intercept X, Sophos Central Endpoint Protection, or Sophos Enterprise Console (SEC)
- The following features of Sophos Intercept X blocking the ransomware functionality
  - CryptoGuard blocking the encryption of files
  - DynamicShellCode Protection and HeapHeapProtect intercepting the attack chain

SophosLabs and the Sophos Security Operations Team have compiled a list of Indicators of Compromise. They are listed below and can be used by threat hunters to perform searches in their own environments.

## What should customers do?

For Sophos MTR customers, the MTR team is monitoring the situation, assessing customer impact, and addressing issues as they appear.

If you use Kaseya in your environment:

This website uses cookies to make your browsing experience better. By using our site you agree to our use of cookies.

<u>Learn More!</u>

Accept

Subscribe by email

Subscribe by email

**Options** 

### **Associated links**

- https://helpdesk.kaseya.com/hc/en-gb/articles/4403440684689
- https://us-cert.cisa.gov/ncas/current-activity/2021/07/02/kaseya-vsa-supply-chain-ransomware-attack
- https://csirt.divd.nl/2021/07/04/Kaseya-Case-Update-2/
- https://news.sophos.com/en-us/2021/07/02/kaseya-vsa-supply-chain-ransomware-attack/
- https://news.sophos.com/en-us/2021/07/04/independence-day-revil-uses-supply-chain-exploit-to-attack-l
- Demo of REvil ransomware being executed

## Indicators of Compromise

#### **Sophos Detections**

- Troj/Ransom-GIP
- Troj/Ransom-GIQ
- HPmal/Sodino-A
  - Detected in C:\Windows\MsMpEng.exe
- DynamicShellcode
  - hmpa.exploit.prevented.1
- Cryptoguard
  - cryptoguard.file.detected.1

#### Process Data:

- "C:\WINDOWS\system32\cmd.exe" /c ping 127.0.0.1 -n 6258 > nul & C:\Windows\System32\WindowsPowerS\
  MpPreference -DisableRealtimeMonitoring \$true -DisableIntrusionPreventionSystem \$true -DisableIOAVProtec
  \$true -EnableControlledFolderAccess Disabled -EnableNetworkProtection AuditMode -Force -MAPSReporting D
  NeverSend & copy /Y C:\Windows\System32\certutil.exe C:\Windows\cert.exe & echo %RANDOM% >> C:\Windows\cert.exe & echo %RANDOM% >> C:\Windows\cert.exe & del /q /f c:\kworking\agent.crt (c:\kworking\agent.exe & del /q /f c:\kworking\agent.exe & del /q /f c:\kworking\agent.
  - Parent Path C:\Program Files (x86)\Kaseya\<ID>\AgentMon.exe
- "C:\Windows\system32\cmd.exe" /c ping 127.0.0.1 -n 5693 > nul & C:\Windows\System32\WindowsPowerSh MpPreference -DisableRealtimeMonitoring \$true -DisableIntrusionPreventionSystem \$true -DisableIOAVProtec \$true -EnableControlledFolderAccess Disabled -EnableNetworkProtection AuditMode -Force -MAPSReporting D NeverSend & copy /Y C:\Windows\System32\certutil.exe C:\Windows\cert.exe & echo %RANDOM% >> C:\Windows\cert.exe & echo %RANDOM% >> C:\Windows\cert.exe & del /q /f c:\kworking\agent.crt (c:\kworking\agent.exe & del /q /f c:\kworking\agent.exe & del /q /f c:\kworking\agent.crt (c:\kworking\agent.exe & del /q /f c:\kworking\agent.exe & del /q /f c:\kwo
  - Parent Path C:\Program Files (x86)\Kaseya\<ID>\AgentMon.exe

### Files involved

- C:\windows\cert.exe
  - 36a71c6ac77db619e18f701be47d79306459ff1550b0c92da47b8c46e2ec0752
- C:\windows\msmpeng.exe
  - 33bc14d231a4afaa18f06513766d5f69d8b88f1e697cd127d24fb4b72ad44c7a
- C:\kworking\agent.crt
- C:\Windows\mpsvc.dll
  - 8dd620d9aeb35960bb766458c8890ede987c33d239cf730f93fe49d90ae759dd
- C:\kworking\agent.exe
  - d55f983c994caa160ec63a59f6b4250fe67fb3e8c43a388aec60a4a6978e9f1e

### Registry Keys

HKEY LOCAL MACHINE\SOFTWARE\Wow6432Node\BlackLivesMatter

This website uses cookies to make your browsing experience better. By using our site you agree to our use of cookies.

<u>Learn More!</u>

Accept

#### **Domains**

- ncuccr[.]org
- 1team[.]es
- 4net[.]guru
- 35-40konkatsu[.]net
- 123vrachi[.]ru
- 4youbeautysalon[.]com
- 12starhd[.]online
- 101gowrie[.]com
- 8449nohate[.]org
- 1kbk[.]com[.]ua
- 365questions[.]org
- 321play[.]com[.]hk
- candyhouseusa[.]com
- andersongilmour[.]co[.]uk
- facettenreich27[.]de
- blgr[.]be
- fannmedias[.]com
- southeasternacademyofprosthodontics[.]org
- filmstreamingvfcomplet[.]be
- smartypractice[.]com
- tanzschule-kieber[.]de
- iqbalscientific[.]com
- pasvenska[.]se
- cursosgratuitosnainternet[.]com
- bierensgebakkramen[.]nl
- c2e-poitiers[.]com
- gonzalezfornes[.]es
- tonelektro[.]nl
- milestoneshows[.]com
- blossombeyond50[.]com
- thomasvicino[.]com
- kaotikkustomz[.]com
- mindpackstudios[.]com
- faroairporttransfers[.]net
- daklesa[.]de
- bxdf[.]info
- simoneblum[.]de
- gmto[.]fr
- cerebralforce[.]net
- myhostcloud[.]com
- fotoscondron[.]com
- sw1m[.]ru
- homng[.]net

# **Updated** information

2021-07-06, 04:10 UTC - Updated demo of REvil ransomware attack

2021-07-05, 00:21 UTC - Updated analysis of attack

2021-07-04, 17:30 UTC - Updated introduction text and associated links

2021-07-04, 01:00 UTC - Updated Sophos detection information

2021-07-03, 14:12 UTC - Updated domains affected

This website uses cookies to make your browsing experience better. By using our site you agree to our use of cookies.

<u>Learn More!</u>

Accept

Kaseya VSA Supply-Chain Ransomware Attack - Community Security Blog - Sophos Community - Sophos Community - 02/11/2024 18:29 https://community.sophos.com/b/security-blog/posts/active-ransomware-attack-on-kaseya-customers

**SOPHOS** © 1997 - 2024 Sophos Ltd. All rights reserved. Getting started Legal Privacy Cookies

This website uses cookies to make your browsing experience better. By using our site you agree to our use of cookies.

<u>Learn More!</u>

Accept