



CVE-2019-16651

Published on: 09/20/2021 12:00:00 AM UTC

Last Modified on: 10/05/2021 02:47:00 PM UTC

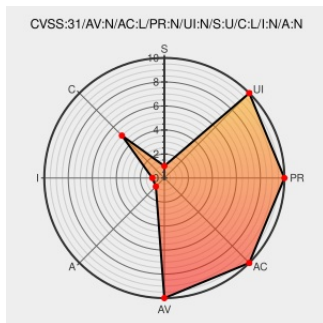
CVE-2019-16651

Source: [Mitre](#)

Source: [NIST](#)

[CVE.ORG](#)

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Certain versions of [Super Hub 3](#) from [Virginmedia](#) contain the following vulnerability:

An issue was discovered on Virgin Media Super Hub 3 (based on ARRIS TG2492) devices. Because their SNMP commands have insufficient protection mechanisms, it is possible to use JavaScript and DNS rebinding to leak the WAN IP address of a user (if they are using certain VPN implementations, this would decloak them).

CVE-2019-16651 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **MEDIUM** severity.

CVSS3 Score: **5.3 - MEDIUM**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
Scope	Confidentiality Impact	Integrity Impact	Availability Impact
UNCHANGED	LOW	NONE	NONE

CVSS2 Score: **5 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	NONE	NONE

CVE References

Description	Tags	Link
Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) - Fidus Information Security	fidusinfosec.com text/html	MISC fidusinfosec.com/silently-unmasking-virgin-media-vpn-users-in-seconds-cve-2019-16651/
VPN users unmasked by zero-day vulnerability in Virgin	portswigger.net	MISC portswigger.net/daily-swig/vpn-users-

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Hardware 	Virginmedia	Super Hub 3	-	All	All	All
Operating System	Virginmedia	Super Hub 3 Firmware	-	All	All	All
cpe:2.3:h:virginmedia:super_hub_3:-:*****:						
cpe:2.3:o:virginmedia:super_hub_3_firmware:-:*****:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @_r_netsec	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) fidusinfosec.com/silently-unmas...	2021-09-14 10:13:06
 @CKsTechNews	#Unmasking Virgin Media #VPN Users in Seconds Hello friend..... fidusinfosec.com/silently-unmas... https://t.co/iKAdL1rs0m	2021-09-14 10:43:53
 @CybrXx0	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) via /r/netsec ift.tt/3Cd7t59 #cybersecurity #netsec #news	2021-09-14 10:59:34
 @axcheron	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) fidusinfosec.com/silently-unmas...	2021-09-14 11:11:00
 @Myinfosecfeed	New post: "Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651)" ift.tt/3lrn4aR	2021-09-14 11:48:48
 @netsecu	fidusinfosec.com/silently-unmas... Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) - Fidus Information Security #cybersecurity	2021-09-14 12:52:08
 @jonathandata1	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) - Fidus Information Security, I warned of thi... twitter.com/i/web/status/1...	2021-09-14 14:50:43
 @wayne386	@ispreview Are you aware of the VM superhub security issue, where vpn users can be unmasked? fidusinfosec.com/silently-unmas...	2021-09-14 19:19:00
 @ellenke64965894	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651) fidusinfosec.com/silently-unmas... #cyber #cyberSecurity	2021-09-14 21:32:27
 @WilfridBlanc	Silently Unmasking Virgin Media VPN Users in Seconds (#CVE-2019-16651) fidusinfosec.com/silently-unmas...	2021-09-14 22:00:03
 @InfoSec_Pom	No login required! freethreatintel.com fidusinfosec.com/silently-unmas... Silently Unmasking Virgin	2021-09-15

	Media VPN Users in Se... twitter.com/i/web/status/1...	16:03:31
 @310hkc41b	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651). Básicamente, como obtener la IP de los usua... twitter.com/i/web/status/1...	2021-09-17 07:56:13
 @_hg8_	"Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651)" fidusinfosec.com/silently-unmas...	2021-09-17 13:37:53
 @BendyCatus	Write up for those interested (CVE-2019-16651) fidusinfosec.com/silently-unmas... twitter.com/jamiebishop123...	2021-09-19 17:33:27
 @BendyCatus	fidusinfosec.com/silently-unmas... and a working URL ?	2021-09-19 17:52:58
 @BendyCatus	@chronic @jamiebishop123 My writeup is here fidusinfosec.com/silently-unmas... and I'm happy to answer any questions	2021-09-19 23:38:55
 @CKsTechNews	#VPN users unmasked by zero-day #vulnerability in Virgin Media #routers Via: portswigger.net/daily-swig/vpn... Source: fidusinfosec.com/silently-unmas...	2021-09-20 12:40:23
 @CVEreport	CVE-2019-16651 : An issue was discovered on Virgin Media Super Hub 3 based on ARRIS TG2492 devices. Because their... twitter.com/i/web/status/1...	2021-09-20 14:02:19
 @megalokafes	@Senpaix00 "Liberty Global was first alerted to the vulnerability (CVE-2019-16651) on October 20, 2019." ?????	2021-09-20 14:40:10
 /r/CKsTechNews	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651)	2021-09-14 10:44:33
 /r/netsec	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651)	2021-09-14 10:01:15
 /r/RedSec	Silently Unmasking Virgin Media VPN Users in Seconds (CVE-2019-16651)	2021-09-14 16:37:47

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