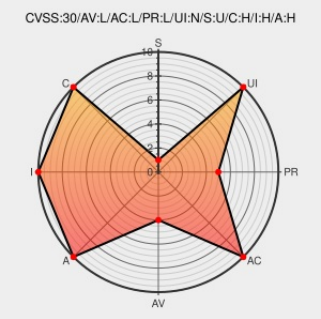
CVE-2019-12576

Published on: 07/11/2019 12:00:00 AM UTC

Last Modified on: 09/08/2021 05:22:00 PM UTC

CVE-2019-12576

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Macos from Apple contain the following vulnerability:

A vulnerability in the London Trust Media Private Internet Access (PIA) VPN Client v82 for macOS could allow an authenticated, local attacker to run arbitrary code with elevated privileges. The openvpn_launcher binary is setuid root. This program is called during the connection process and executes several operating system utilities to configure the system. The networksetup utility is called using relative paths. A local unprivileged user can execute arbitrary commands as root by creating a networksetup trojan which will be executed during the connection process. This is possible because the PATH environment variable is not reset prior to executing the OS utility.

CVE-2019-12576 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 7.2 - HIGH

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
security-research/CVE-2019-12576.txt at master · mirchr/security-research · GitHub	Exploit Third Party Advisory github.com text/html	MISC github.com/mirchr/security-research/blob/master/vulnerabilities/PIA/CVE-2019-12576.txt

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Macos	-	All	All	All
Operating System	Apple	Mac Os	-	All	All	All
Operating System	Apple	Mac Os	-	All	All	All
Application	Londontrustmedia	Private Internet Access Vpn Client	82	All	All	All
Application	Londontrustmedia	Private Internet Access Vpn Client	82	All	All	All

cpe:2.3:o:apple:macos:-:*:*:*:*:*:*:*:

cpe:2.3:o:apple:mac_os:-:*:*:*:*:*:*:*:

cpe:2.3:o:apple:mac_os:-:*:*:*:*:*:*:*:

cpe:2.3:a:londontrustmedia:private_internet_access_vpn_client:82:*:*:*:*:*:*:*:

cpe:2.3:a:londontrustmedia:private_internet_access_vpn_client:82:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→