



CVE-2019-12575

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

Last Modified on: 03/23/2021 11:27:41 PM UTC

CVE-2019-12575

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Linux Kernel](#) from [Linux](#) contain the following vulnerability:

A vulnerability in the London Trust Media Private Internet Access (PIA) VPN Client v82 for Linux could allow an authenticated, local attacker to run arbitrary code with elevated privileges. The root_runner.64 binary is setuid root. This binary executes /opt/pia/ruby/64/ruby, which in turn attempts to load several libraries under /tmp/ruby-deploy.old/lib. A local

unprivileged user can create a malicious library under this path to execute arbitrary code as the root user.

CVE-2019-12575 has been assigned by [M](#) 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-2019-12575.txt at master · security-research/CVE-2019-12575	CVE-2019-12575	MISC github.com/misrbl/security-research/CVE-2019-12575

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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
Operating System	Linux	Linux Kernel	-	All	All	All
Operating System	Linux	Linux Kernel	-	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:linux:linux_kernel:-:*:*:*:*:*:						
cpe:2.3:o:linux:linux_kernel:-:*:*:*:*:*:						
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

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