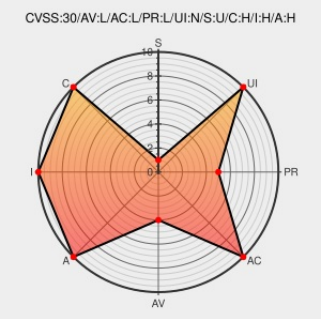
# CVE-2019-12579

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

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

## CVE-2019-12579

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 Linux and macOS could allow an authenticated, local attacker to run arbitrary code with elevated privileges. The PIA Linux/macOS binary openvpn_launcher.64 binary is setuid root. This binary accepts several parameters to update the system configuration. These parameters are passed to operating system commands using a "here" document. The parameters are not sanitized, which allow for arbitrary commands to be injected using shell metacharacters. A local unprivileged user can pass special crafted parameters that will be interpolated by the operating system calls.

CVE-2019-12579 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-2019-12579.txt at master · mirchr/security-research · GitHub | Exploit<br>Third Party Advisory<br>github.com<br>text/html | MISC github.com/mirchr/security-research/blob/master/vulnerabilities/PIA/CVE-2019-12579.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 |
| 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:apple:macos:-:*:*:*:*:*:*:*:

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

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

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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**CVE.report and Source URL Uptime Status status.cve.report**