



CVE-2018-10192

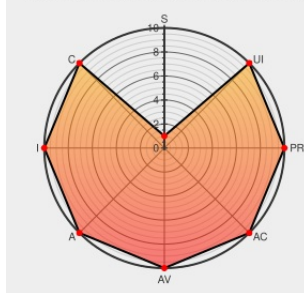
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CVE-2018-10192

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

CVSS:30/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H



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

IPVanish 3.0.11 for macOS suffers from a root privilege escalation vulnerability. The ``com.ipvanish.osx.vpnhelper`` LaunchDaemon implements an insecure XPC service that could allow an attacker to execute arbitrary code as the root user. IPVanish uses a third-party library for converting ``xpc_object_t`` types in to ``NSObject`` types for

sending XPC messages. When IPVanish establishes a new connection, the following XPC message is sent to the ``com.ipvanish.osx.vpnhelper`` LaunchDaemon. Because the XPC service itself does not validate an incoming connection, any application installed on the operating system can send it XPC messages. In the case of the "connect" message, an attacker could manipulate the ``OpenVPNPath`` to point at a malicious binary on the system. The ``com.ipvanish.osx.vpnhelper`` would receive the `VPNHelperConnect` command, and then execute the malicious binary as the root user.

CVE-2018-10192 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **10 - HIGH**

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

COMPLETE

COMPLETE

COMPLETE

CVE References

Description	Tags	Link
research/VS-2018-020.md at master · VerSprite/research · GitHub	Third Party Advisory github.com text/html	 MISC github.com/VerSprite/research/blob/master/advisories/VS-2018-020.md

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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
Application	Ipvanish	Ipvanish	3.0.11	All	All	All
Application	Ipvanish	Ipvanish	3.0.11	All	All	All
<code>cpe:2.3:a:ipvanish:ipvanish:3.0.11:*:*:*:macos:*:*</code>						
<code>cpe:2.3:a:ipvanish:ipvanish:3.0.11:*:*:*:macos:*:*</code>						

No vendor comments have been submitted for this CVE

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