potentially leading to arbitrary root code execution. Notably, this bypasses pacman's package signature checking. This occurs in curl_download_internal in lib/libalpm/dload.c."> " due to an unsanitized file name received from a Content-Disposition header. pac..."> " due to an unsanitized file name received from a Content-Disposition header. pacman renames the downloaded package file to match the name given in this header. However, pacman did not sanitize this name, which may contain slashes, before calling rename(). A malicious server (or a network MitM if downloading over HTTP) can send a Content-Disposition header to make pacman place the file anywhere in the filesystem, potentially leading to arbitrary root code execution. Notably, this bypasses pacman's package signature checking. This occurs in curl_download_internal in lib/libalpm/dload.c." />

CVE-2019-9686

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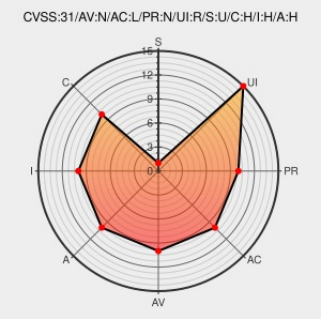
CVE-2019-9686

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



Certain versions of Pacman from Pacman Project contain the following vulnerability:

pacman before 5.1.3 allows directory traversal when installing a remote package via a specified URL "pacman -U <url>" due to an unsanitized file name received from a Content-Disposition header. pacman renames the downloaded package file to match the name given in this header. However, pacman did not sanitize this name, which may contain slashes, before calling rename(). A malicious server (or a network MitM if downloading over HTTP) can send a Content-Disposition header to make pacman place the file anywhere in the filesystem, potentially leading to arbitrary root code execution. Notably, this bypasses pacman's package signature checking. This occurs in curl_download_internal in lib/libalpm/dload.c.

CVE-2019-9686 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 8.8 - HIGH

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

CVSS2 Score: 9.3 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
pacman.git - The official pacman repository	Mailing List, Patch, Third Party Advisory, git.archlinux.org, text/html	MISC git.archlinux.org/pacman.git/commit/?id=9702703633bec2c007730006de2aeec8587dfc84
pacman.git - The official pacman repository	Mailing List, Patch, Third Party Advisory, git.archlinux.org, text/html	MISC git.archlinux.org/pacman.git/commit/?id=d197d8ab82cf10650487518fb968067897a12775
pacman.git - The official pacman repository	Mailing List, Third Party Advisory, git.archlinux.org, text/html	MISC git.archlinux.org/pacman.git/commit/?h=release/5.1.x&id=1bf767234363f7ad5933af3f7ce267c123017bde

Related QID Numbers

501108 Alpine Linux Security Update for pacman

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Pacman Project	Pacman	All	All	All	All
Application	Pacman Project	Pacman	All	All	All	All

cpe:2.3:a:pacman_project:pacman:*:*:*:*:*:*:*:*:

cpe:2.3:a:pacman_project:pacman:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

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