CVE-2021-32791

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CVE-2021-32791 - advisory for GHSA-px3c-6x7j-3r9r

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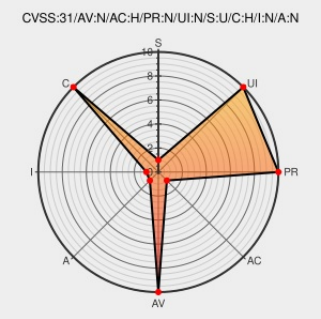

Certain versions of Http Server from Apache contain the following vulnerability:

mod_auth_openidc is an authentication/authorization module for the Apache 2.x HTTP server that functions as an OpenID Connect Relying Party, authenticating users against an OpenID Connect Provider. In mod_auth_openidc before version 2.4.9, the AES GCM encryption in mod_auth_openidc uses a static IV and AAD. It is important to fix because this creates a static nonce and since aes-gcm is a stream cipher, this can lead to known cryptographic issues, since the same key is being reused. From 2.4.9 onwards this has been patched to use dynamic values through usage of cjose AES encryption routines.

CVE-2021-32791 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as MEDIUM severity.

Affected Vendor/Software: **zmartzone** - **mod_auth_openidc** version **< 2.4.9**

CVSS3 Score: 5.9 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

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

CVE References

Description	Tags	Link
use encrypted JWTs for storing encrypted cache contents · zmartzone/mod_auth_openidc@375407c · GitHub	github.com text/html	MISC github.com/zmartzone/mod_auth_openidc/commit/375407c16c61a70b56fc
[SECURITY] Fedora 33 Update: mod_auth_openidc-2.4.9-1.fc33 - package-announce - Fedora Mailing-Lists	Mailing List Third Party Advisory lists.fedoraproject.org text/html	FEDORA FEDORA-2021-17f5cedf66
Hardcoded static IV and AAD with a reused key in AES GCM encryption · Advisory · zmartzone/mod_auth_openidc · GitHub	github.com text/html	CONFIRM github.com/zmartzone/mod_auth_openidc/security/advisorie
Release release 2.4.9 · zmartzone/mod_auth_openidc · GitHub	github.com text/html	MISC github.com/zmartzone/mod_auth_openidc/releases/tag/v2.4.9
[SECURITY] Fedora 34 Update: mod_auth_openidc-2.4.9-1.fc34 - package-announce - Fedora Mailing-Lists	Mailing List Third Party Advisory lists.fedoraproject.org text/html	FEDORA FEDORA-2021-e3017c538a

Related QID Numbers

281777 Fedora Security Update for mod_auth_openidc (FEDORA-2021-17f5cedf66)

281778 Fedora Security Update for mod_auth_openidc (FEDORA-2021-e3017c538a)

751134 OpenSUSE Security Update for apache2-mod_auth_openidc (openSUSE-SU-2021:3020-1)

751149 OpenSUSE Security Update for apache2-mod_auth_openidc (openSUSE-SU-2021:1277-1)

751211 SUSE Enterprise Linux Security Update for apache2-mod_auth_openidc (SUSE-SU-2021:3352-1)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Apache	Http Server	All	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Application	Zmartzone	Mod Auth Openidc	All	All	All	All

cpe:2.3:a:apache:http_server:*:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:33:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:34:*:*:*:*:*:*:*:

cpe:2.3:a:zmartzone:mod_auth_openidc:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-32791 : mod_auth_openidc is an authentication/authorization module for the #Apache 2.x HTTP server that fu… twitter.com/i/web/status/1…	2021-07-26 17:08:28

← Previous ID

Next ID→