CVE-2020-15098

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CVE-2020-15098 - advisory for GHSA-m5vr-3m74-jwxp

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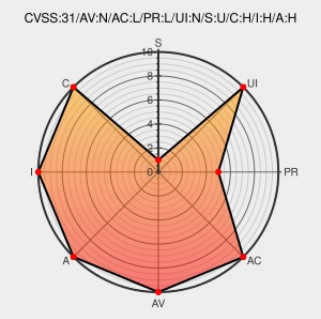

Certain versions of Typo3 from Typo3 contain the following vulnerability:

In TYPO3 CMS greater than or equal to 9.0.0 and less than 9.5.20, and greater than or equal to 10.0.0 and less than 10.4.6, it has been discovered that an internal verification mechanism can be used to generate arbitrary checksums. This allows to inject arbitrary data having a valid cryptographic message authentication code (HMAC-SHA1) and can lead to various attack chains including potential privilege escalation, insecure deserialization & remote code execution. The overall severity of this vulnerability is high based on mentioned attack chains and the requirement of having a valid backend user session (authenticated). This has been patched in versions 9.5.20 and 10.4.6.

CVE-2020-15098 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **TYPO3** - **TYPO3 CMS** version **>= 9.0.0, < 9.5.20**

Affected Vendor/Software: **TYPO3** - **TYPO3 CMS** version **>= 10.0.0, 10.4.6**

CVSS3 Score: 8.8 - HIGH

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

CVSS2 Score: 6.5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**

PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
[SECURITY] Avoid ambiguous HMAC results · TYPO3/TYPO3.CMS@85d3e70 · GitHub	Patch, Third Party Advisory, github.com, text/html	MISC github.com/TYPO3/TYPO3.CMS/commit/85d3e70dff35a99ef53f4b561114acfa9e5c47
TYPO3-CORE-SA-2016-013: Missing Access Check in TYPO3 CMS	Vendor Advisory, typo3.org, text/html	MISC typo3.org/security/advisory/typo3-core-sa-2016-013
Sensitive Information Disclosure · Advisory · TYPO3/TYPO3.CMS · GitHub	Third Party Advisory, github.com, text/html	CONFIRM github.com/TYPO3/TYPO3.CMS/security/advisories/GHSA-m5vr-3m74-jwxp
TYPO3-CORE-SA-2020-008: Sensitive Information Disclosure	Vendor Advisory, typo3.org, text/html	MISC typo3.org/security/advisory/typo3-core-sa-2020-008

Related QID Numbers

690526 Free Berkeley Software Distribution (FreeBSD) Security Update for typo3 (eab964f8-d632-11ea-9172-4c72b94353b5)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Typo3	Typo3	All	All	All	All
Application	Typo3	Typo3	All	All	All	All

cpe:2.3:a:typo3:typo3:*:*:*:*:*:*:*:*:

cpe:2.3:a:typo3:typo3:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)

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