



Tue. 7th May, 2019

TYPO3-CORE-SA-2019-013: Cross-Site Scripting in Fluid Engine

Categories: [Development](#) ([/help/security-advisories/development](#))
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It has been discovered, that TYPO3 CMS is vulnerable to cross-site scripting.

- **Component Type:** TYPO3 CMS
- **Vulnerable subcomponent:** Fluid Engine (package typo3fluid/fluid)
- **Release Date:** May 7, 2019
- **Vulnerability Type:** Cross-Site Scripting
- **Affected Versions:** 8.0.0-8.7.24 and 9.0.0-9.5.5
- **Severity:** Medium
- **Suggested CVSS v3.0:** [AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:L/A:N/E:F/RL:O/RC:C](https://nvd.nist.gov/vuln-metrics/cvss/v3-calculator?vector=AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:L/A:N/E:F/RL:O/RC:C) (<https://nvd.nist.gov/vuln-metrics/cvss/v3-calculator?vector=AV:N/AC:H/PR:N/UI:N/S:C/C:L/I:L/A:N/E:F/RL:O/RC:C>)
- **CVE:** [CVE-2020-15241](https://nvd.nist.gov/vuln/detail/CVE-2020-15241) (<https://nvd.nist.gov/vuln/detail/CVE-2020-15241>)

Problem Description

It has been discovered that the Fluid Engine (package typo3fluid/fluid) is vulnerable to cross-site scripting when making use of the ternary conditional operator in templates like the following.

```
{showFullName ? fullName : defaulttValue}
```

Solution

Update to TYPO3 versions 8.7.25 or 9.5.6 that fix the problem described.

Update to versions 2.0.5, 2.1.4, 2.2.1, 2.3.5, 2.4.1, 2.5.5 or 2.6.1 of underlying standalone `typo3fluid/fluid` package.

Credits

Thanks to Bill Dagou who reported this issue and to TYPO3 core merger Claus Due who fixed the issue.

General Advice

Follow the recommendations that are given in the [TYPO3 Security Guide](https://docs.typo3.org/typo3cms/CoreApiReference/Security/Index.html#security) (<https://docs.typo3.org/typo3cms/CoreApiReference/Security/Index.html#security>). Please subscribe to the [typo3-announce](http://lists.typo3.org/cgi-bin/mailman/listinfo/typo3-announce) (<http://lists.typo3.org/cgi-bin/mailman/listinfo/typo3-announce>) mailing list.

General Note

All security related code changes are tagged so that you can easily look them up in our [review system](https://review.typo3.org/#/q/status:merged+project:Packages/TYPO3.CMS+topic:security+o.2) (<https://review.typo3.org/#/q/status:merged+project:Packages/TYPO3.CMS+topic:security+o.2>).