



Accessibility: Remote

Severity: Critical

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SUMMARY

QCubed is a PHP Model-View-Controller Rappid Application Development framework. (<https://github.com/qcubed/qcubed>)

VULNERABILITY DESCRIPTION

A PHP object injection bug in profile.php in qcubed [all versions including 3.1.1] unserializes the untrusted data of the POST-variable "strProfileData" and allows an unauthenticated attacker to execute code via a crafted POST request.

VENDOR CONTACT TIMELINE

2020-04-19	Contacting the vendor
2020-04-19	Vendor replied
2020-05-01	Vendor released a patch at Github
2021-02-15	Public disclosure



Anrufen (tel:0043505500)



E-Mail



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 kukrik bugfix_small_adjustments_of_style

dcd70b7 on Sep 14, 2016

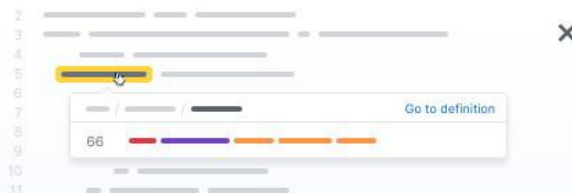
4 contributors 

226 lines (209 sloc) | 6.95 KB

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Code navigation is available!

Navigate your code with ease. Click on function and method calls to jump to their definitions or references in the same repository. [Learn more](#)



```
1 <?php
2     require_once(' ../qcubed.inc.php');
3
4     //Exit gracefully if called directly or profiling data is missing.
5     if ( !isset($_POST['intDatabaseIndex']) && !isset($_POST['strProfileData']) && !isset($_POST['strReferrer']) )
6         exit('Nothing to profile. No Database Profiling data received.');
```

```
14     $objProfileArray = unserialize(base64_decode($_POST['strProfileData']));
```

```
15     //var_dump($objProfileArray);
16     $intCount = count($objProfileArray);
17
18     function PrintExplainStatement($strOriginalQuery) {
19         global $intDatabaseIndex;
20         if (substr_count($strOriginalQuery, "AUTOCOMMIT=1") > 0) {
21             return null;
22         }
23         $result = "";
24     }
```

An attacker could inject code by sending a malicious object

[/fileadmin/mc/digital_safety_security/images/CVE.jpg](#)

VULNERABLE VERSIONS

All versions including 3.1.1 are affected.

TESTED VERSIONS

QCubed 3.1.1

IMPACT

An unauthenticated attacker could execute code remotely.

MITIGATION

A patch was delivered by QCubed that allows to disable the profile-functionality. (<https://github.com/qcubed/qcubed/pull/1320/files>)

ADVISORY URL

<https://www.ait.ac.at/ait-sa-20210215-01-unauthenticated-remote-code-execution-qcubed> (<https://www.ait.ac.at/ait-sa-20210215-01-unauthenticated-remote-code-execution-qcubed>)



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