QCubed PHP Object Injection (CVE-2020-24914)

2 March 2021

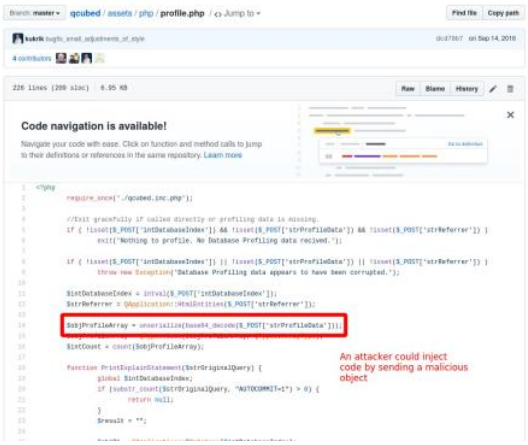
Identifier:	AIT-SA-20210215-01
Target:	QCubed Framework
Vendor:	QCubed
Version:	all versions including 3.1.1
CVE:	CVE-2020-24914
Accessibility:	Remote
Severity:	Critical
Author:	Wolfgang Hotwagner (AIT Austrian Institute of Technology)

Summary

QCubed is a PHP Model-View-Controller Rappid Application Development framework.

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.



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.

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

Advisory URL

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

[PHP Programming Web Security CVE]

My name is Wolfgang Hotwagner. I am a Linux and Information Security enthusiast. This blog is about my journey through Computer Science.

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