DefenseCode

DefenseCode ThunderScan SAST Advisory

WordPress Testimonial Slider Plugin
SQL injection Security Vulnerability

WordPress Testimonial Slider Plugin – SQL injection Security Vulnerability	
Advisory ID:	**DC-2018-01-005**
Software:	**WordPress Testimonial Slider plugin**
Software Language:	**PHP**
Version:	**1.2.4 and below**
Vendor Status:	**Vendor contacted, update released**
Release Date:	**2018/01/10**
Risk:	**Medium**

1. General Overview

During the security audit of Testimonial Slider plugin for WordPress CMS, security vulnerability was discovered using DefenseCode ThunderScan application source code security analysis platform.

More information about ThunderScan is available at URL:
http://www.defensecode.com

2. Software Overview

According to the plugin developers, Testimonial Slider shows the testimonials and feedbacks submitted by your Happy Customers in a clean, responsive and beautiful Slider format. The "Testimonials" are a Custom Post Type so it is very easy to add, modify and delete testimonials.

According to wordpress.org, it has more than 10 000 active installs.

Homepage:
https://wordpress.org/plugins/testimonial-slider/
http://slidervilla.com/testimonial-slider/

3. Vulnerability Description

During the security analysis, ThunderScan discovered SQL injection vulnerability in Testimonial Slider WordPress plugin.

The easiest way to reproduce the vulnerability is to visit the provided URL while being logged in as administrator or another user that is authorized to access the plugin settings page. Users that do not have full administrative privileges could abuse the database access the vulnerability provides to either escalate their privileges or obtain and modify database contents they were not supposed to be able to.

Due to the missing nonce token, the vulnerable code is also directly exposed to attack vectors such as Cross Site request forgery (CSRF).

3.1 SQL injection	
Vulnerable Function:	**$wpdb->query();**
Vulnerable Variable:	**POST['current_slider_id'];**

Vulnerable URL:

```
http://vulnerablesite.com/wp-admin/admin.php?page=testimonial-slider-admin
```

File: smooth-slider-forks\testimonial-slider\settings\sliders.php

```
60 $slider_id=$_POST['current_slider_id'];
...
63 $sql = 'UPDATE '.$table_name.' SET slide_order='.$i.' WHERE post_id='.$slide_order.' and
slider_id='.$slider_id;
64 $wpdb->query($sql);
```

4. Solution

After the vulnerability was reported the vendor resolved the security issues. All users are strongly advised to update WordPress Testimonial Slider plugin to the latest available version.

5. Credits

Discovered by Neven Biruski using DefenseCode ThunderScan source code security analyzer.

6. Disclosure Timeline

2016/11/11	**Vulnerability discovered**
2017/03/31	**Vendor contacted**
2017/04/28	**Vendor contacted**
2017/05/08	**Vendor responded**
2018/01/10	**Advisory released to the public**

7. About DefenseCode

DefenseCode L.L.C. delivers products and services designed to analyze and test web, desktop and mobile applications for security vulnerabilities.

DefenseCode ThunderScan is a SAST (Static Application Security Testing, WhiteBox Testing) solution for performing extensive security audits of application source code. ThunderScan performs fast and accurate analyses of large and complex source code projects delivering precise results and low false positive rate.

DefenseCode WebScanner is a DAST (Dynamic Application Security Testing, BlackBox Testing) solution for comprehensive security audits of active web applications. WebScanner will test a website's security by carrying out a large number of attacks using the most advanced techniques, just as a real attacker would.

Subscribe for free software trial on our website http://www.defensecode.com

E-mail: defensecode[at]defensecode.com

Website: http://www.defensecode.com
Twitter: https://twitter.com/DefenseCode/