DefenseCode

DefenseCode ThunderScan SAST Advisory

WordPress Soundy Background Music Plugin
Cross-Site Scripting Security Vulnerability

WordPress Soundy Background Music Plugin – Cross-Site Scripting Security Vulnerability	
Advisory ID:	**DC-2018-01-001**
Software:	**WordPress Soundy Background Music plugin**
Software Language:	**PHP**
Version:	**3.9 and below**
Vendor Status:	**Vendor contacted, no response**
Release Date:	**2018/01/18**
Risk:	**Medium**

1. General Overview

During the security audit of Soundy Background Music 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, Soundy Background Music allows any WordPress page or post to play and display a background music.

According to wordpress.org, the free version has more than 20,000 active installs.

Homepage:
https://wordpress.org/plugins/soundy-background-music/
https://webartisan.ch/en/products/soundy-background-music/

3. Vulnerability Description

During the security analysis, ThunderScan discovered Cross-Site Scripting vulnerability in Soundy Background Music WordPress plugin.

The Cross-Site Scripting vulnerability can enable the attacker to construct the URL that contains malicious JavaScript code. If the administrator or a visitor of the site makes a request to such an URL, the attacker's code will be executed, with unrestricted access to the WordPress site in question. The attacker can entice the victims to visit the URL in various ways, including sending the URL by email, posting it as a part of the comment on the vulnerable site or another forum.

3.1 Cross-Site Scripting	
Vulnerable Function:	**echo()**
Vulnerable Variable:	**$_GET['war_soundy_preview']**

Vulnerable URL:

```
http://vulnerablesite.com/?war_soundy_preview=</ScrIpt><script>alert(1)</script>
```

File: soundy-background-music\templates\front-end.php

```
57  $preview = isset( $_GET[ 'war_soundy_preview' ] ) ? $_GET[ 'war_soundy_preview' ] :
false;
58  if( $preview )
59  {
60      $this->preview = $preview;
...
136 preview:                    '<?php echo $this->preview; ?>',
```

4. Solution

Vendor should resolve the security issues in next release. All users are strongly advised to update WordPress Soundy Background Music plugin to the latest available version as soon as the vendor releases an update that fixes the vulnerability.

5. Credits

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

6. Disclosure Timeline

2016/11/08	**Vulnerability discovered**
2017/04/04	**Vendor contacted. No response.**
2018/01/08	**Vendor contacted. No response.**
2018/01/18	**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.

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