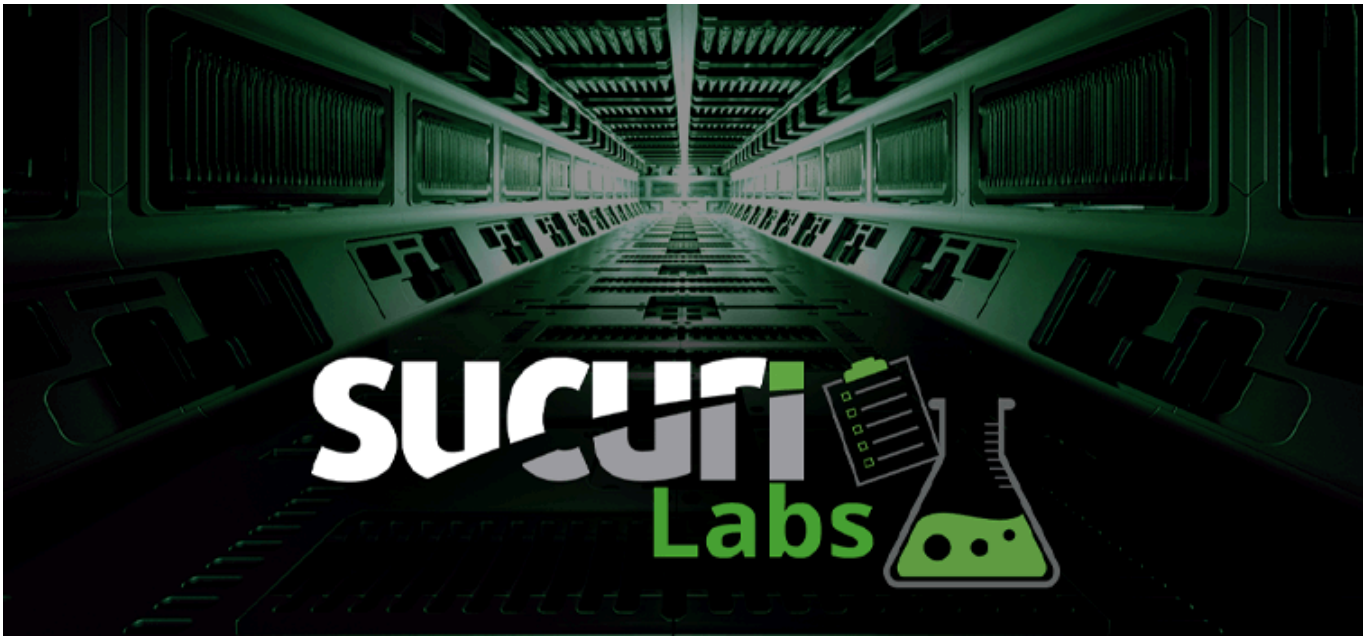


WPTF Hybrid Composer – Unauthenticated Arbitrary Options Update

JOHN CASTRO
July 11, 2019

With almost 300 installs, **WPTF – Hybrid Composer** is a framework that helps users easily create custom themes for WordPress. We recently noticed an increase in suspicious requests, revealing an attack against this plugin.

Easily automated vulnerabilities are the first choice for bad actors. The following snippet provides a good example why attackers would target it:

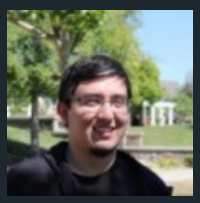
```
function hc_ajax_save_option() {
    echo update_option($_POST['option_name'], $_POST['content']);
    die();
}

add_action('wp_ajax_nopriv_hc_ajax_save_option', 'hc_ajax_save_optio
```

The function **“hc_ajax_save_option”** uses the WordPress **update_option()**, along with two parameters that come directly from user input. Because the developers define **“hc_ajax_save_option”** as a non-private hook action, unauthenticated bad actors can obtain full access.

For those who doesn’t know, WordPress’ **update_option()** function is used to update any option in the options database table. Using this function, an attacker can gain admin access or inject arbitrary data into any site using vulnerable versions of this framework, **1.4.6 and lower**.

The developer is aware of this vulnerability. This vulnerability was patched in a recent update, and we strongly encourage users to update their plugin if they haven’t already.



JOHN CASTRO

John Castro is Sucuri's Vulnerability Researcher who joined the company in 2015. His main responsibilities include threat intelligence and vulnerability analysis. John's professional experience covers more than a decade of pentesting, vulnerability research and malware analysis. When John isn't working with WordPres plugin vulnerabilities, you might find him hiking or hunting for new restaurants. Connect with him on LinkedIn

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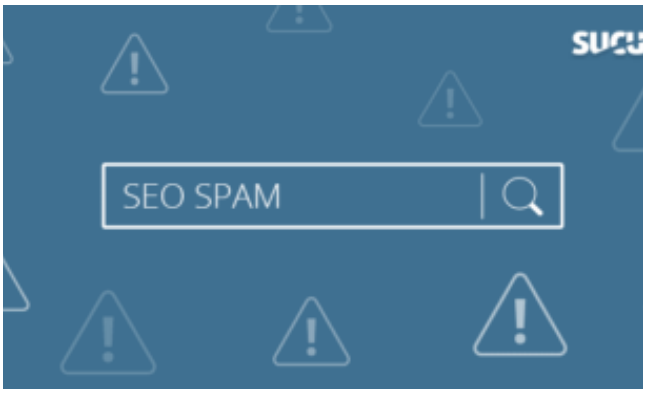

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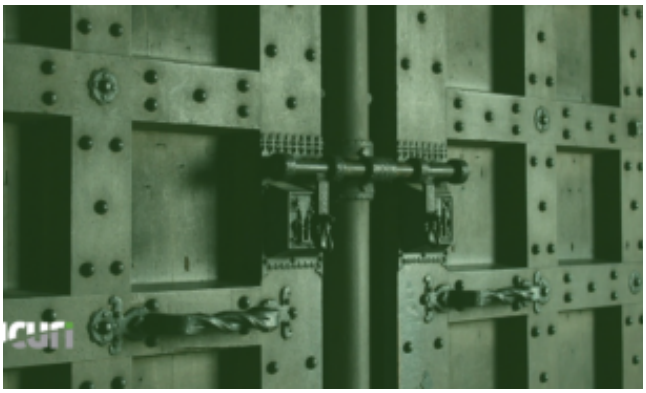

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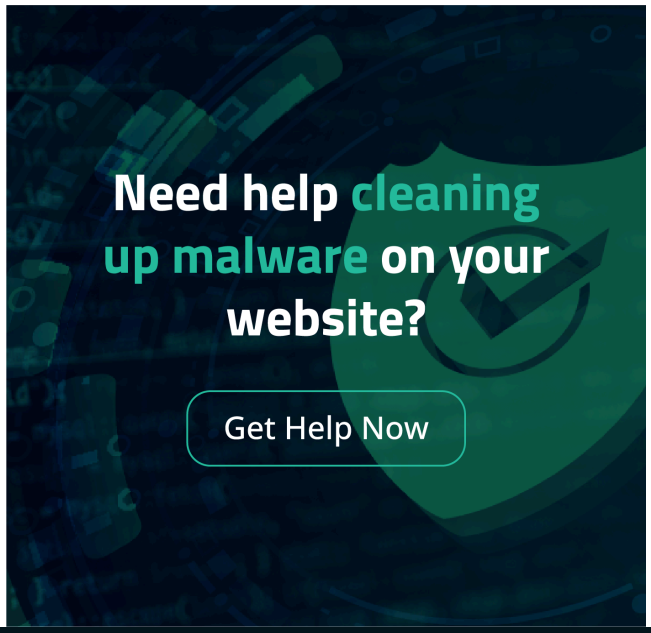

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