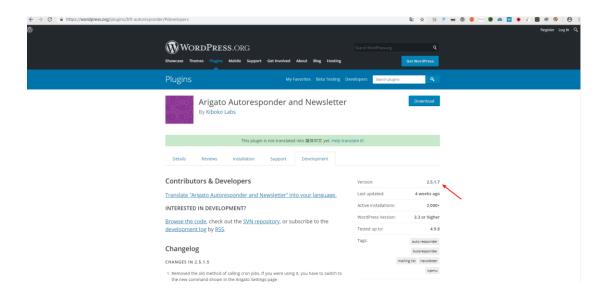
Wordpress Arigato Autoresponder v2.5.1.7 plugin remote code execution



Analysis

When we create a new message the code is as follows:

```
function bft_messages() {
    global $wpdb;
    $att = new BFTAttachmentModel();

    $send_on_date = 0;
    if(isset($_POST['subject'])) $subject = sanitize_text_field($_POST['subject']);
    if(isset($_POST['message'])) $message = bft_strip_tags($_POST['message']);
    if(isset($_POST['days'])) $days = intval($_POST['days']);
    if(isset($_POST['id'])) $id = intval($_POST['days']);
    if(isset($_POST['id'])) $id = intval($_POST['id']);
    if(isset($_POST['send_on_date'])) $send_on_date = intval($_POST['send_on_date']);

// prepare date

if(!empty($_POST['dateyear'])) $date=$_POST['dateyear']."-".$_POST['datemonth']."-".$_POST['dateday'];
    else $date = date("V-m-d");
    $date=esc_sql($date);

if(!empty($_POST['add_message']) and check_admin_referer('bft_message')) {
        $sql=$wpdb->prepare("INSERT INTO ".BFT_MAILS." (subject_message,days_send_on_date_date, content_type)
        VALUES (%s, %s, %d, %d, %s, %s)", $subject, $message, @$days, $send_on_date, $date,
        sanitize_text_field($_POST['content_type']));
        $ydb->query($sql);
        $id = $wpdb->insert_id;
        $_att->save_attachments($id, 'mail');
}
```

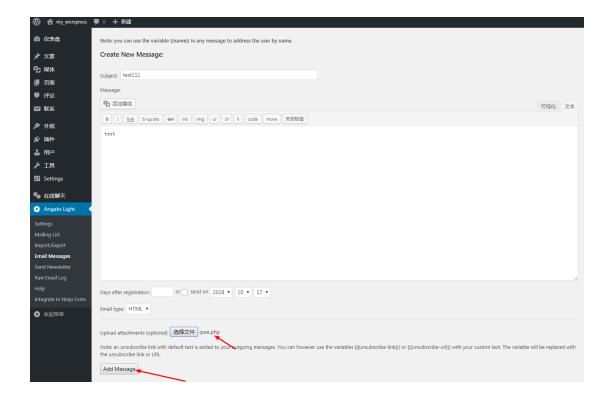
It can be found that in order to prevent some security problems, the various POST parameters of the request are processed.

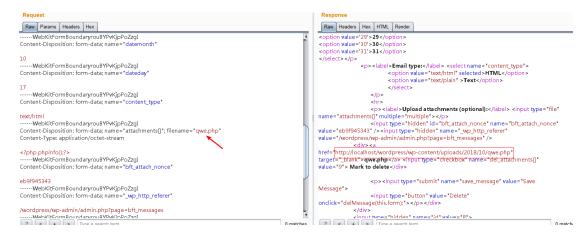
On line 26, we follow up on the function save_attachments that handles message attachments.

You can upload a php script file when creating a new message. Its location is at line 36-67 of bft-autoresponder\models\attachment.php.

The wp_verify_nonce function simply checks the token and does not affect the files we upload. After obtaining the file name and path, copy the file directly to the wordpress upload path. The files uploaded by the entire Process Guard are restricted.

PoC







This program values use of the Zend Scripting Language Engine Zend Engine v3.2.0, Copyright (c) 1998-2017 Zend Technologies

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