



# CVE-2021-36154

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## CVE-2021-36154

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Grpc Swift](#) from [Linuxfoundation](#) contain the following vulnerability:

HTTP2ToRawGRPCServerCodec in gRPC Swift 1.1.1 and earlier allows remote attackers to deny service via the delivery of many small messages within a single HTTP/2 frame, leading to Uncontrolled Recursion and stack consumption.

CVE-2021-36154 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>NETWORK</b>   | <b>LOW</b>             | <b>NONE</b>         | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>NONE</b>            | <b>NONE</b>         | <b>HIGH</b>         |

CVSS2 Score: **5 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>NETWORK</b>         | <b>LOW</b>        | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>NONE</b>            | <b>NONE</b>       | <b>PARTIAL</b>      |

## CVE References

| Description                                                                               | Tags                                                    | Link                                                                                    |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------|-----------------------------------------------------------------------------------------|
| Releases · grpc/grpc-swift · GitHub                                                       | <a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC github.com/grpc/grpc-swift/releases</a>                                |
| Uncontrolled Recursion in HTTP2ToRawGRPCServerCodec · Advisory · grpc/grpc-swift · GitHub | <a href="#">github.com</a><br><a href="#">text/html</a> | <a href="#">MISC github.com/grpc/grpc-swift/security/advisories/GHSA-4rhq-vq24-88gw</a> |

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There are currently no QIDs associated with this CVE

#### Known Affected Configurations (CPE V2.3)

| Type                                                  | Vendor                          | Product                    | Version | Update | Edition | Language |
|-------------------------------------------------------|---------------------------------|----------------------------|---------|--------|---------|----------|
| Application                                           | <a href="#">Linuxfoundation</a> | <a href="#">Grpc Swift</a> | 1.0.0   | All    | All     | All      |
| Application                                           | <a href="#">Linuxfoundation</a> | <a href="#">Grpc Swift</a> | 1.1.0   | All    | All     | All      |
| Application                                           | <a href="#">Linuxfoundation</a> | <a href="#">Grpc Swift</a> | 1.1.1   | All    | All     | All      |
| cpe:2.3:a:linuxfoundation:grpc_swift:1.0.0:*:*:*:*:*: |                                 |                            |         |        |         |          |
| cpe:2.3:a:linuxfoundation:grpc_swift:1.1.0:*:*:*:*:*: |                                 |                            |         |        |         |          |
| cpe:2.3:a:linuxfoundation:grpc_swift:1.1.1:*:*:*:*:*: |                                 |                            |         |        |         |          |

No vendor comments have been submitted for this CVE

#### Social Mentions

| Source                                                                                          | Title                                                                                                                                                                                                    | Posted (UTC)        |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
|  @CVEreport   | CVE-2021-36154 : HTTP2ToRawGRPCServerCodec in gRPC Swift 1.1.1 and earlier allows remote attackers to deny service... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a>  | 2021-07-09 11:43:48 |
|  @threatmeter | CVE-2021-36154 HTTP2ToRawGRPCServerCodec in gRPC Swift 1.1.1 and earlier allows remote attackers to deny service vi... <a href="https://twitter.com/i/web/status/1...">twitter.com/i/web/status/1...</a> | 2021-07-10 07:10:53 |
|  /r/netcve    | <a href="#">CVE-2021-36154</a>                                                                                                                                                                           | 2021-07-09 12:41:22 |

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