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|---|---|
| **Product** | Asterisk |
| **Summary** | Remote crash in res_pjsip_diversion |
| **Nature of Advisory** | Denial of service |
| **Susceptibility** | Remote authenticated sessions |
| **Severity** | Moderate |
| **Exploits Known** | No |
| **Reported On** | December 28 2020 |
| **Reported By** | Ivan Poddubny |
| **Posted On** | January 04 2021 |
| **Last Updated On** | January 04 2021 |
| **Advisory Contact** | gjoseph AT sangoma DOT com |
| **CVE Name** | CVE-2020-35776 |

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| **Description** | If a registered user is tricked into dialing a malicious number that sends lots of 181 responses to Asterisk, each one will cause a 181 to be sent back to the original caller with an increasing number of entries in the "Supported" header.  Eventually the number of entries in the header exceeds the size of the entry array and causes a crash. |
| **Modules Affected** | res_pjsip_diversion.c |

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| **Resolution** | Before updating the "Supported" header with a new entry, Asterisk now checks that the entry doesn't already exist and that adding an entry won't exceed the size of the entry array. |

| Affected Versions | | |
|---|---|---|
| **Product** | **Release Series** | |
| Asterisk Open Source | 13.X | 13.38.1 |
| Asterisk Open Source | 16.X | 16.15.1 |
| Asterisk Open Source | 17.X | 17.9.1 |
| Asterisk Open Source | 18.X | 18.1.1 |

## Corrected In

| Product | Release |
|---|---|
| Asterisk Open Source | 13.38.2, 16.16.1, 17.9.2, 18.2.1 |
|  |  |

## Patches

| Patch URL | Revision |
|---|---|
| https://downloads.digium.com/pub/security/ AST-2021-001-13.diff | 13.38.2 |
| https://downloads.digium.com/pub/security/ AST-2021-001-16.diff | 16.16.1 |
| https://downloads.digium.com/pub/security/ AST-2021-001-17.diff | 17.9.2 |
| https://downloads.digium.com/pub/security/ AST-2021-001-18.diff | 18.2.1 |

| Links | https://issues.asterisk.org/jira/browse/ASTERISK-29227 |
|---|---|
|  | https://downloads.asterisk.org/pub/security/AST-2021-001.html |

Asterisk Project Security Advisories are posted at http://www.asterisk.org/security
This document may be superseded by later versions; if so, the latest version will be posted at https://downloads.digium.com/pub/security/AST-2021-001.pdf and
https://downloads.digium.com/pub/security/AST-2021-001.html

## Revision History

| Date | Editor | Revisions Made |
|---|---|---|
| December 29, 2020 | George Joseph | Initial revision |
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