Product	Asterisk
Summary	Remote Crash Vulnerability in PJSIP channel driver
Nature of Advisory	Denial of Service
Susceptibility	Remote Authenticated Sessions
Severity	Moderate
Exploits Known	No
Reported On	April 6, 2021
Reported By	Ivan Poddubny
Posted On	
Last Updated On	July 6, 2021
Advisory Contact	Jcolp AT sangoma DOT com
CVE Name	CVE-2021-31878

Description	When Asterisk receives a re-INVITE without SDP after having sent a BYE request a crash will occur. This occurs due to the Asterisk channel no longer being present while code assumes it is.
Modules Affected	res_pjsip_session.c

Resolution	Upgrade to one of the fixed versions of Asterisk or apply the appropriate patch.

Affected Versions		
Product	**Release Series**	
Asterisk Open Source	16.x	16.17.0, 16.18.0, 16.19.0
Asterisk Open Source	18.x	18.3.0, 18.4.0, 18.5.0

Corrected In	
Product	**Release**
Asterisk Open Source	16.19.1, 18.5.1

Patches

Patch URL	Revision
https://downloads.digium.com/pub/security/AST-2021-007-16.diff	Asterisk 16
https://downloads.digium.com/pub/security/AST-2021-007-18.diff	Asterisk 18

Links	https://issues.asterisk.org/jira/browse/ASTERISK-29381 https://downloads.asterisk.org/pub/security/AST-2021-007.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This document may be superseded by later versions; if so, the latest version will be posted at https://downloads.digium.com/pub/security/AST-2021-007.pdf and https://downloads.digium.com/pub/security/AST-2021-007.html

Revision History		
Date	**Editor**	**Revisions Made**
April 28, 2021	Joshua Colp	Initial revision