

## Asterisk Project Security Advisory - AST-2021-009

<b>Product</b>	Asterisk
<b>Summary</b>	pjproject/pjsip: crash when SSL socket destroyed during handshake
<b>Nature of Advisory</b>	Denial of service
<b>Susceptibility</b>	Remote unauthenticated sessions
<b>Severity</b>	Major
<b>Exploits Known</b>	Yes
<b>Reported On</b>	May 5, 2021
<b>Reported By</b>	Andrew Yager
<b>Posted On</b>	
<b>Last Updated On</b>	July 6, 2021
<b>Advisory Contact</b>	kharwell AT sangoma DOT com
<b>CVE Name</b>	CVE-2021-32686

<b>Description</b>	Depending on the timing, it's possible for Asterisk to crash when using a TLS connection if the underlying socket parent/listener gets destroyed during the handshake.
<b>Modules Affected</b>	bundled pjproject

<b>Resolution</b>	If you use "with-pjproject-bundled" then upgrade to, or install one of, the versions of Asterisk listed below. Otherwise install the appropriate version of pjproject that contains the patch.
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<b>Affected Versions</b>		
<b>Product</b>	<b>Release Series</b>	
Asterisk Open Source	13.x	All versions
Asterisk Open Source	16.x	All versions
Asterisk Open Source	17.x	All versions
Asterisk Open Source	18.x	All versions
Certified Asterisk	16.x	All versions

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<b>Corrected In</b>	
<b>Product</b>	<b>Release</b>
Asterisk Open Source	13.38.3, 16.19.1, 17.9.4, 18.5.1
Certified Asterisk	16.8-cert10

<b>Patches</b>	
<b>Patch URL</b>	<b>Revision</b>
<a href="https://downloads.digium.com/pub/security/AST-2021-009-13.diff">https://downloads.digium.com/pub/security/AST-2021-009-13.diff</a>	Asterisk 13
<a href="https://downloads.digium.com/pub/security/AST-2021-009-16.diff">https://downloads.digium.com/pub/security/AST-2021-009-16.diff</a>	Asterisk 16
<a href="https://downloads.digium.com/pub/security/AST-2021-009-17.diff">https://downloads.digium.com/pub/security/AST-2021-009-17.diff</a>	Asterisk 17
<a href="https://downloads.digium.com/pub/security/AST-2021-009-18.diff">https://downloads.digium.com/pub/security/AST-2021-009-18.diff</a>	Asterisk 18
<a href="https://downloads.digium.com/pub/security/AST-2021-009-16.8.diff">https://downloads.digium.com/pub/security/AST-2021-009-16.8.diff</a>	Certified Asterisk 16.8

<b>Links</b>	<a href="https://issues.asterisk.org/jira/browse/ASTERISK-29415">https://issues.asterisk.org/jira/browse/ASTERISK-29415</a> <a href="https://downloads.asterisk.org/pub/security/AST-2021-009.html">https://downloads.asterisk.org/pub/security/AST-2021-009.html</a> <a href="https://github.com/pjsip/pjproject/security/advisories/GHSA-cv8x-p47p-99wr">https://github.com/pjsip/pjproject/security/advisories/GHSA-cv8x-p47p-99wr</a>
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 This document may be superseded by later versions; if so, the latest version will be posted at <https://downloads.digium.com/pub/security/AST-2021-009.pdf> and <https://downloads.digium.com/pub/security/AST-2021-009.html>

<b>Revision History</b>		
<b>Date</b>	<b>Editor</b>	<b>Revisions Made</b>
June 14, 2021	Kevin Harwell	Initial revision

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