



CVE-2016-5080

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2016-5080
State	PUBLISHED
Assigner	certcc
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-07-19 22:59:01 UTC
Updated	2026-05-06 22:30:45 UTC
Description	Integer overflow in the rtxMemHeapAlloc function in asn1rt_a.lib in Objective Systems ASN1C for C/C++ before 7.0.2 allow

Risk And Classification

Primary CVSS: v3.0 9.8 CRITICAL from nvd@nist.gov

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Problem Types: NVD-CWE-Other | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	9.8	CRITICAL	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	10		AV:N/AC:L/Au:N/C:C/I:C/A:C

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:N/AC:L/Au:N/C:C/I:C/A:C

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Objective Systems	Asn1c	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference

CPU Oct 2018

SecurityFocus

Full Disclosure: CVE-2016-5080: Memory corruption in code generated by Objective Systems Inc. ASN1C compiler for C/C++ [STIC-2016-060]

NCSC-2016-0650 [1.00] | NCSC

Vulnerability in Objective Systems ASN1C Compiler Affecting Cisco Products

Android Security Bulletin—January 2017 | Android Open Source Project

Objective Systems Inc. ASN1C For C/C++ Heap Memory Corruption ≈ Packet Storm

security-advisories/ObjSys/CVE-2016-5080 at master · programa-stic/security-advisories · GitHub

ASN1C Buffer Overflow in rtxMemHeapAlloc() Lets Users Execute Arbitrary Code - SecurityTracker

VU#790839 - Objective Systems ASN1C generates code that contains a heap overflow vulnerability

Objective Systems ASN1C CVE-2016-5080 Heap Based Buffer Overflow Vulnerability

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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