

DCMTK - Bug #1226

Unbound recursion in DSRDocumentTreeNode::readXML()

2026-06-17 17:51 - Marco Eichelberg

Status:	Closed	Start date:	2026-06-17
Priority:	Low	Due date:	
Assignee:	Marco Eichelberg	% Done:	100%
Category:	Library and Apps	Estimated time:	1:00 hour
Target version:		Compiler:	
Module:	dcmsr		
Operating System:			

Description

Currently, the XML to DICOM SR parser relies on a depth gate in libxml2 to prevent unbound recursion when reading a malformed XML file.

However, since the code was designed to permit easy replacement of the underlying XML parser, an explicit recursion limit should be added to DSRDocumentTreeNode::readXML().

Reported 2026-05-19 by Arjun Basnet, Senior Security Researcher, Securin.

This issue has been registered as CVE-2026-44032.

History

#1 - 2026-06-17 17:53 - Marco Eichelberg

- Assignee set to Marco Eichelberg
- % Done changed from 0 to 100
- Estimated time set to 1:00 h
- Private changed from No to Yes

Closed by commit #9057782f9.

#2 - 2026-06-19 14:31 - Marco Eichelberg

- Private changed from Yes to No

#3 - 2026-06-19 16:39 - Marco Eichelberg

- Status changed from New to Closed