

DCMTK - Bug #1212

NULL dereference in json2dcm

2026-05-21 15:12 - Marco Eichelberg

Status:	Closed	Start date:	2026-05-21
Priority:	Normal	Due date:	
Assignee:	Marco Eichelberg	% Done:	100%
Category:	Library and Apps	Estimated time:	1:00 hour
Target version:		Compiler:	
Module:	dcmdata		
Operating System:			

Description

DcmJSONReader::createElement() will de-reference a NULL pointer if a call to DcmItem::newDicomElementWithVR() fails because of incorrect error handling.

The bug can be reproduced by compiling DCMTK with `-fsanitize=address,undefined` and then calling

```
json2dcm ub-jsonrd-pixeldata-null.json out.dcm
```

Reported 2026-05-04 by Kaixuan.

History

#1 - 2026-05-21 15:15 - Marco Eichelberg

- % Done changed from 0 to 100

- Estimated time set to 1:00 h

Closed by commit #0748c6e28.

#2 - 2026-05-25 12:10 - Marco Eichelberg

- Private changed from Yes to No

#3 - 2026-05-25 12:11 - Marco Eichelberg

- Private changed from No to Yes

#4 - 2026-05-25 12:21 - Marco Eichelberg

- Status changed from New to Closed

- Private changed from Yes to No

Files

ub-jsonrd-pixeldata-null.json

101 Bytes

2026-05-21

Marco Eichelberg