
Subject: QUERY_DICOM crashes on DICOMDIR
Posted by [LNpellen](#) on Fri, 08 Jan 2016 06:56:15 GMT
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I have a code searching for DICOM files in a folder. If this folder contains the DICOMDIR IDL reports a fatal error and crashes on QUERY_DICOM. For now I excluded files named 'DICOMDIR', but I'm not sure that will always be the full name of these files. Any idea why QUERY_DICOM crashes on DICOMDIR or how I can avoid it in a more robust way than filename-match?

Best regards
Ellen

Subject: Re: QUERY_DICOM crashes on DICOMDIR
Posted by skymaxwell@gmail.com on Sun, 10 Jan 2016 19:12:21 GMT
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> I have a code searching for DICOM files in a folder. If this folder contains the DICOMDIR IDL reports a fatal error and crashes on QUERY_DICOM. For now I excluded files named 'DICOMDIR', but I'm not sure that will always be the full name of these files. Any idea why QUERY_DICOM crashes on DICOMDIR or how I can avoid it in a more robust way than filename-match?

>
> Best regards
> Ellen

Hi. I looked at help of Query_dicom. So Query_dicom is wrote IDL and placed in IDL LIB folder. There are some comments in IDL code. I put here the fragment

```
;; verify that the file exists
IF ~file_test(file) THEN return, 0L

;; DICOM has a fatal error in accessing zero-length files
;; Avoid the problem by checking in advance
OPENR, unit, file, /get_lun
stat = FSTAT(unit)
FREE_LUN, unit
IF (stat.size EQ 0) THEN RETURN, 0L
```

So DICOM has a fatal error in accessing zero-length files, may be it's your case ?

Subject: Re: QUERY_DICOM crashes on DICOMDIR
Posted by [LNpellen](#) on Wed, 20 Jan 2016 11:05:50 GMT
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FSTAT for the DICOMDIR file:

```
UNIT      LONG      100
NAME      STRING    'I:\.....\DICOMDIR'
OPEN      BOOLEAN   true (1)
ISATTY    BOOLEAN   false (0)
ISAGUI    BOOLEAN   false (0)
INTERACTIVE  BOOLEAN  false (0)
XDR       BOOLEAN   false (0)
COMPRESS  BOOLEAN   false (0)
READ      BOOLEAN   true (1)
WRITE     BOOLEAN   false (0)
ATIME     LONG64     1420792259
CTIME     LONG64     1420792257
MTIME     LONG64     1420792259
TRANSFER_COUNT LONG    0
CUR_PTR   LONG      0
SIZE      LONG      1329592
REC_LEN   LONG      0
```

The size is not zero. And all the other parameters have the same true/false and 0 vs non_zero values.
