
Subject: Writing DICOM-Files

Posted by [wengi](#) on Fri, 14 Mar 2008 14:09:43 GMT

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Hi there,

I finally came to a point, that I am able to write dicom-Files with IDL. I create new objects with the following code:

```
obj = OBJ_New('IDLffDICOMex', filename,  
SOP_Class='ENHANCED_MR_IMAGE', /NON_CONFORMING, /CREATE)
```

I'm calculating parameter-maps and write them into the files. This works so far: I calculate the maps and write six different files. Since I'm evaluating three slices of the heart I do this iteratively. When IDL comes to the point where it wants to write the six maps for the second slice into the same directory but with different filenames I get an error right after calling the `obj = OBJ_New` line:

OBJ_NEW: Error: Unable to add media storage SOP instance UID ,
Invalid characters in value for this VR

The problem is, that this tag (0002:0003) is "set to a new ITT Visual Information Solutions-generated value" and I don't know how to solve this problem.

Maybe someone is able to give me a hint..

Andreas

Subject: Re: Writing DICOM-Files

Posted by [wengi](#) on Mon, 17 Mar 2008 12:01:53 GMT

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On 17 Mrz., 08:27, wengi <andreas.w...@gmail.com> wrote:

> On 14 Mrz., 16:35, Abraham Campbell <abra...@ittvis.com> wrote:

>

>

>

>> wengi wrote:

>>> On 14 Mrz., 15:09, wengi <andreas.w...@gmail.com> wrote:

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>>>> IDL. I create new objects with the following code:

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>>>> Andreas
>
>>> Just forgot: When I start a new IDL-session for every single slice.
>>> Everything works. Just the iterative method to calculate and write all
>>> that stuff over night creates the error.
>>> Andreas
>
>> Stupid question. Did you try calling obj->Commit at the end of each
>> iteration before looping back and calling obj_new again?
>
> There are no stupid questions. But, yes I did call it.
```

Looks strange for me. I formerly put the dicom-writing in a program that was called with the data-matrix and a filename. I checked the data-type and some other stuff and then called all the stuff to finally write the dicom-file.

I changed my program into a function that is called with the two parameters data and filename and returns just an integer 0. And now it looks like it works. For me, it becomes not clear why it works now, but it works.

Andreas

Subject: Re: Writing DICOM-Files
Posted by [wengi](#) on Tue, 18 Mar 2008 08:21:44 GMT
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On 17 Mrz., 13:01, wengi <andreas.w...@gmail.com> wrote:
> On 17 Mrz., 08:27, wengi <andreas.w...@gmail.com> wrote:

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> parameters data and filename and returns just an integer 0. And now it
> looks like it works. For me, it becomes not clear why it works now,
> but it works.
>
> Andreas

Getting more and more strange. Evaluated six datasets yesterday. But
now I have the old problem. For the moment it looks random to me. And
this discussion is becoming kind of a soliloquy;)
