

## Database - Bug #7449

### unqualified \_File buffer must target the first database in the connection list

06/19/2023 11:26 AM - Constantin Asofiei

<b>Status:</b>	Test	<b>Start date:</b>	
<b>Priority:</b>	High	<b>Due date:</b>	
<b>Assignee:</b>	Constantin Asofiei	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>case_num:</b>	
<b>billable:</b>	No		
<b>vendor_id:</b>	GCD		
<b>Description</b>			

#### History

#2 - 06/19/2023 11:33 AM - Constantin Asofiei

- Priority changed from Normal to High

In OpenEdge, when running from command line, like this:

```
pro -db c:\dbs\db1 -db c:\dbs\db2 -p fmeta.p
```

a testcases like this for fmeta.p:

```
message buffer _file:dbname ldbname(1) ldbname(2) .
```

will always show

```
db1 db1 db2
```

This means that an unqualified \_file buffer references always target the first database in the list.

I've also experimented with the GUI Procedure Editor, and:

- connected first db1
- connected second db2
- ran fmeta.p

and in this case, it shows db2 db1 db2. I don't know why this happens. Is there another list of 'connected databases' in OpenEdge?

In any case, I think we will need to match the command line database order:

- p2j.cfg.xml schema configuration needs to match exactly this
- progress.g needs to treat explicitly unqualified meta table names, and resolve them from the first connected database.

### #3 - 06/19/2023 01:44 PM - Constantin Asofiei

The assumptions in note #6129-28 and others, where it was found that the last connected database is used I think are wrong. In that example:

```
connect c:\p2j_test\p2j_test.  
do on stop undo, leave:  
    run fmeta.p.  
end.  
disconnect p2j_test.
```

```
connect c:\p2j_test\cdp.  
do on stop undo, leave:  
    run fmeta.p.  
end.  
disconnect cdp.
```

```
connect c:\p2j_test\aaa.  
do on stop undo, leave:  
    run fmeta.p.  
end.  
disconnect aaa.
```

where fmeta.p contains:

```
message buffer _file:dbname.
```

you can't run the program without having the .r-code file compiled for fmeta.p.

And, at compile time, the \_file buffer in fmeta.p will be hard-linked to the first database in the connection list used to start the COMPILE program, something like this:

```
mpro -db c:\p2j_test\cdp -db c:\p2j_test\p2j_test -db c:\p2j_test\aaa <program-to-compile-fmeta>.p
```

I may have missed to compile fmeta.p from the command line, and did it instead from the Procedure Editor, previously.

**#4 - 06/19/2023 01:55 PM - Constantin Asofiei**

- % Done changed from 0 to 100
- Status changed from New to Review
- Assignee set to Constantin Asofiei

Created task branch 7449a from trunk rev 14630.

The changes are in 7449a rev 14631.

**#5 - 06/20/2023 03:50 PM - Greg Shah**

Code Review Task Branch 7449a Revision 14631

No objections.

**#6 - 06/20/2023 03:51 PM - Greg Shah**

You can rebase and merge to trunk.

**#7 - 06/21/2023 01:53 AM - Constantin Asofiei**

- Status changed from Review to Test

Branch 7449a was merged to trunk rev 14632 and archived.

**#8 - 07/05/2023 10:18 AM - Constantin Asofiei**

There is an unintended consequence to these changes. If in p2j.cfg.xml, the standard namespace is not explicitly defined as default="false", then this will be a 'default database' and will be the first one in the list (if the standard namespace is the first one).

Eric, is it OK to ensure that for the standard namespace by default the SchemaConfig\$NsConfig.defDb is false?

**#9 - 07/05/2023 10:56 AM - Eric Faulhaber**

Constantin Asofiei wrote:

Eric, is it OK to ensure that for the standard namespace by default the SchemaConfig\$NsConfig.defDb is false?

Yes, that makes sense.

**#10 - 07/05/2023 11:22 AM - Constantin Asofiei**

Eric Faulhaber wrote:

Constantin Asofiei wrote:

Eric, is it OK to ensure that for the standard namespace by default the SchemaConfig\$NsConfig.defDb is false?

Yes, that makes sense.

I've made the change in 7450a rev 14640.

**#11 - 07/06/2023 08:40 AM - Alexandru Lungu**

- Related to Feature #7404: Transform replace-mode into append-mode when target table is empty added

**#12 - 07/06/2023 08:40 AM - Alexandru Lungu**

- Related to deleted (Feature #7404: Transform replace-mode into append-mode when target table is empty)