

## Database - Feature #6454

### database informational features

05/27/2022 10:14 AM - Eric Faulhaber

<b>Status:</b>	Review	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Igor Skornyakov	<b>% Done:</b>	100%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>vendor_id:</b>	GCD
<b>billable:</b>	No		
<b>Description</b>			

### History

#### #1 - 05/27/2022 10:18 AM - Eric Faulhaber

The following features need implementation/improvement:

- DBPARAM builtin function - not all CONNECT params reported (but as long as we report all params we support, we are good; this has to stay up to date with CONNECT statement support)
- DBRESTRICTIONS builtin function is marked runtime stubs
- RCODE-INFO TABLE-LIST attribute - just need to check if the conversion handles the legacy name correctly (case-sensitivity, etc)

#### #4 - 11/16/2022 12:29 PM - Eric Faulhaber

- Assignee set to Igor Skornyakov

#### #5 - 11/25/2022 12:51 PM - Igor Skornyakov

- Status changed from New to WIP

#### #6 - 11/27/2022 01:06 PM - Igor Skornyakov

- As I can see from the code DBPARAM reports **all** parameters supported by FWD for CONNECT
- It looks that the only database restriction we have to support is READ-ONLY. Should be reported if the database was opened with -RO option. Not sure about SET-CURRENT-VALUE ("Cannot set the current value of sequence generators.").

Working on RCODE-INFO:TABLE-LIST.

#### #7 - 11/28/2022 02:49 AM - Constantin Asofiei

Igor, RCODE-INFO:TABLE-LIST is already added in 6129b.

#### #8 - 11/28/2022 09:18 AM - Igor Skornyakov

Constantin Asofiei wrote:

Igor, RCODE-INFO:TABLE-LIST is already added in 6129b.

Constantin,

I see only RcodeInfo interface in our code, however I understand that I have to check the functionality.  
Where can I find a description of RCODE-INFO support in FWD. I understand that r-code has no counterpart in FWD.  
Thank you.

**#9 - 11/28/2022 09:59 AM - Constantin Asofiei**

Igor Skornyakov wrote:

Constantin Asofiei wrote:

Igor, RCODE-INFO:TABLE-LIST is already added in 6129b.

Constantin,

I see only RcodeInfo interface in our code, however I understand that I have to check the functionality.

Look in the RcodeInfoOps.java file - this is a static proxy which implements the RcodeInfo interface.

**#10 - 11/28/2022 10:04 AM - Igor Skornyakov**

Constantin Asofiei wrote:

Igor Skornyakov wrote:

Constantin Asofiei wrote:

Igor, RCODE-INFO:TABLE-LIST is already added in 6129b.

Constantin,

I see only RcodeInfo interface in our code, however I understand that I have to check the functionality.

Look in the RcodeInfoOps.java file - this is a static proxy which implements the RcodeInfo interface.

Thank you!

## #11 - 11/28/2022 11:37 AM - Igor Skornyakov

- File *dbrestrictions.diff* added

Igor Skornyakov wrote:

- It looks that the only database restriction we have to support is READ-ONLY. Should be reported if the database was opened with -RO option. Not sure about SET-CURRENT-VALUE According to my test only READ-ONLY can appear in the DBRESTRICTIONS result.

Reworked the DBRESTRICTIONS support. See the attached .diff file for 6129b/14334.

Please review.

Thank you.

## #12 - 11/28/2022 12:23 PM - Igor Skornyakov

I've noticed the following problem.

The statement

```
DISPLAY
RCODE-INFO:CRC-VALUE LABEL "CRC"
RCODE-INFO:DB-REFERENCES LABEL "DB-REFERENCES"
RCODE-INFO:TABLE-LIST LABEL "TABLE-LIST"
RCODE-INFO:LANGUAGES FORMAT "x(60)" LABEL "Languages"
WITH FRAME rc-info SIDE-LABELS TITLE "R-code Check".
```

Is compiled to

```
FrameElement[] elementList1 = new FrameElement[]
{
    new Element(, rcInfoFrame.widgetExpr2()),
    new Element(RcodeInfoOps.getDbReferences(), rcInfoFrame.widgetExpr3()),
    new Element(RcodeInfoOps.getTableList(), rcInfoFrame.widgetExpr4()),
    new Element(, rcInfoFrame.widgetExpr5())
};

rcInfoFrame.display(elementList1);
```

which does not compile.

I understand that this is because we do not have even stubs for RCODE-INFO:CRC-VALUE and RCODE-INFO:LANGUAGES. Does it make sense to add stubs for these (and other missing RCODE-INFO attributes) now?

Thank you.

**#13 - 11/28/2022 02:30 PM - Igor Skornyakov**

As far as I can see, RCODE-INFO:TABLE-LIST implementation in FWD uses the value of the tables attribute of the @DatabaseReferences annotation. So the question is about this annotation.

Strangely enough I have found no @DatabaseReferences annotation in a converted large customer application (a pretty old version) with non-empty tables attribute. However, in my test this attribute exists and looks OK.

**#14 - 11/28/2022 02:50 PM - Greg Shah**

I understand that this is because we do not have even stubs for RCODE-INFO:CRC-VALUE and RCODE-INFO:LANGUAGES. Does it make sense to add stubs for these (and other missing RCODE-INFO attributes) now?

Yes, please do. Make sure to update the gap analysis too.

**#15 - 11/28/2022 02:52 PM - Igor Skornyakov**

Greg Shah wrote:

I understand that this is because we do not have even stubs for RCODE-INFO:CRC-VALUE and RCODE-INFO:LANGUAGES. Does it make sense to add stubs for these (and other missing RCODE-INFO attributes) now?

Yes, please do. Make sure to update the gap analysis too.

OK, thank you.

**#16 - 11/29/2022 03:09 AM - Constantin Asofiei**

Igor Skornyakov wrote:

Strangely enough I have found no @DatabaseReferences annotation in a converted large customer application (a pretty old version) with non-empty tables attribute.

The conversion needs to be with 6129b for tables attribute to be populated.

**#17 - 11/29/2022 04:24 AM - Igor Skornyakov**

Constantin Asofiei wrote:

Igor Skornyakov wrote:

Strangely enough I have found no @DatabaseReferences annotation in a converted large customer application (a pretty old version) with non-empty tables attribute.

The conversion needs to be with 6129b for tables attribute to be populated.

Oh, I see. Thank you!

**#18 - 11/29/2022 07:50 AM - Igor Skornyakov**

Greg Shah wrote:

I understand that this is because we do not have even stubs for RCODE-INFO:CRC-VALUE and RCODE-INFO:LANGUAGES. Does it make sense to add stubs for these (and other missing RCODE-INFO attributes) now?

Yes, please do. Make sure to update the gap analysis too.

Added stubs for missed RCODE-INFO attributes.  
Committed to 6129b/14335.

**#19 - 11/30/2022 02:04 AM - Eric Faulhaber**

Igor, other than requiring review for the patch in [#6454-11](#) and for 6129b/14335, is this task finished from your point of view? Have the changes been tested? If so, please mark it 100% and status "Review". Thanks.

**#20 - 11/30/2022 02:18 AM - Igor Skornyakov**

- Status changed from WIP to Review

- % Done changed from 0 to 100

Eric Faulhaber wrote:

Igor, other than requiring review for the patch in [#6454-11](#) and for 6129b/14335, is this task finished from your point of view? Have the changes been tested? If so, please mark it 100% and status "Review". Thanks.

Eric,

Yes, I think that the only remaining think is reviewing [#6454-11](#). I've tested the changes.

**#21 - 01/06/2023 12:37 AM - Eric Faulhaber**

Igor Skornyakov wrote:

Eric Faulhaber wrote:

Igor, other than requiring review for the patch in [#6454-11](#) and for 6129b/14335, is this task finished from your point of view? Have the changes been tested? If so, please mark it 100% and status "Review". Thanks.

Eric,

Yes, I think that the only remaining think is reviewing [#6454-11](#). I've tested the changes.

The changes in dbrestrictions.diff look good. Please commit it to 6129b. 6129b/14335 also looks good.

**#22 - 01/06/2023 02:28 AM - Igor Skornyakov**

Eric Faulhaber wrote:

The changes in dbrestrictions.diff look good. Please commit it to 6129b. 6129b/14335 also looks good.

Committed to 6129b/14342.

**Files**

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dbrestrictions.diff

5.18 KB

11/28/2022

Igor Skornyakov