

QGIS Application - Bug report #10709

Bigint (qlonglong) support for expressions

2014-06-25 01:44 AM - Michael Douchin

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:	Expressions	
Affected QGIS version:	2.2.0	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:	No	Resolution: end of life
Crashes QGIS or corrupts data:	No	Copied to github as #: 19102

Description

Dealing with 2 geometryless tables

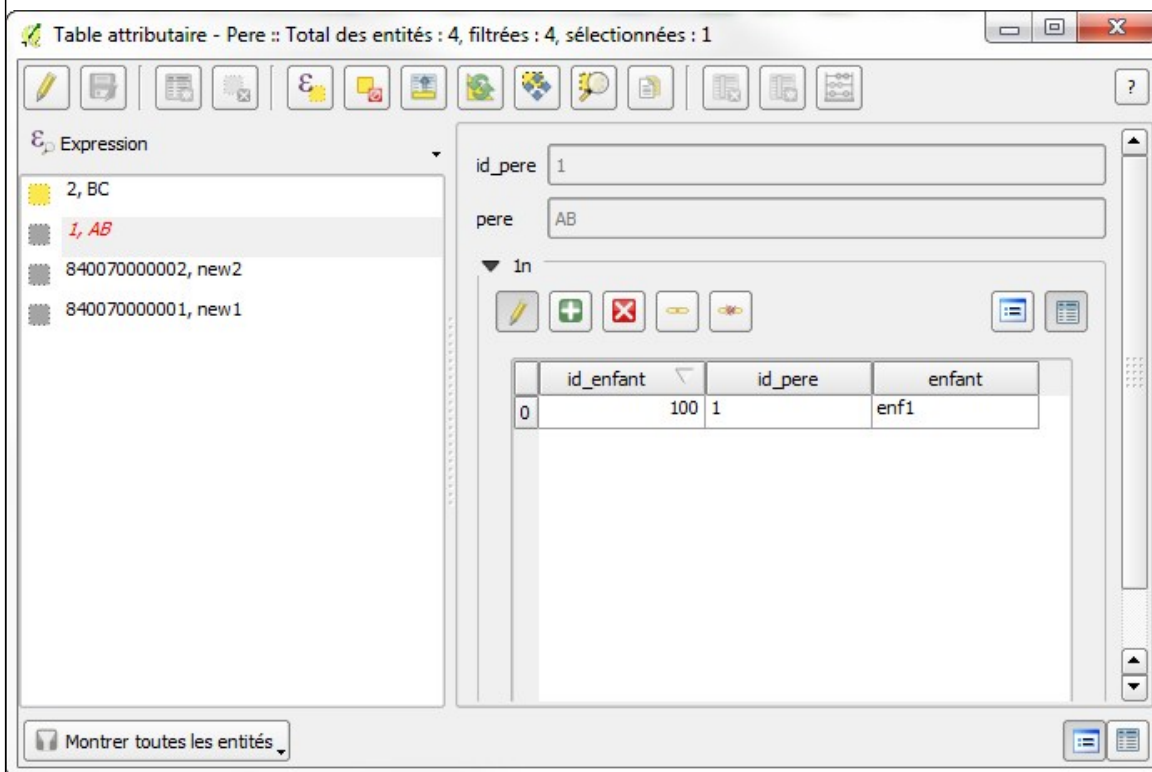
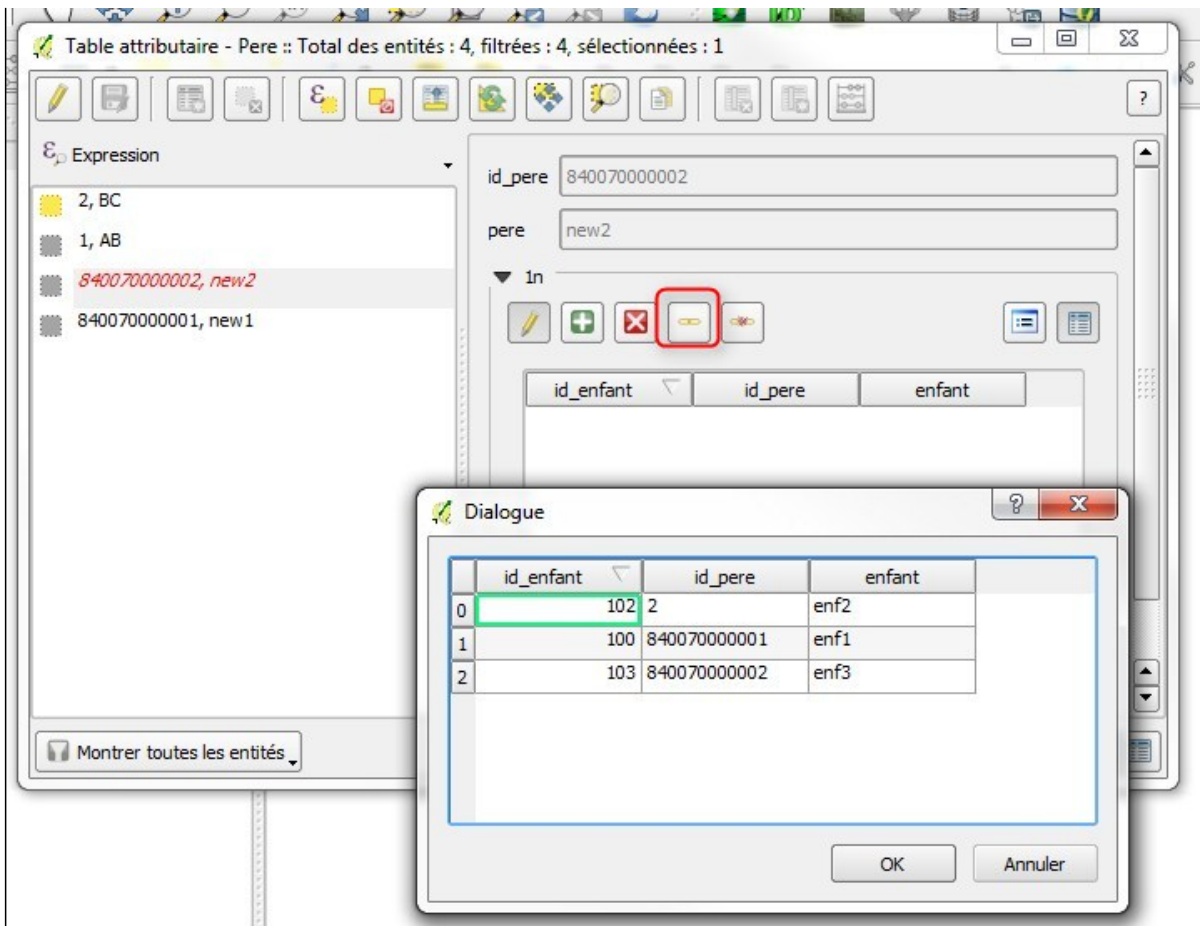
When join fields are bigint, children are not displayed in the subform if the integer are too long, but you can still add a new one.
Only children with integer values under the bigint are displayed.

See attached images :

Table definition :

```
CREATE TABLE avig_adresse."Pere"
(
  id_pere bigint,
  pere text
)
WITH (
  OIDS=FALSE
);
```

```
CREATE TABLE avig_adresse."Enfant"
(
  id_enfant integer,
  id_pere bigint,
  enfant text
)
WITH (
  OIDS=FALSE
);
```



Propriétés de la couche - Pere | Champs

Mise en page de l'éditeur d'attribut Autogénérer Python Init function

Champs

Id	Nom	Type	Nom	Longueur	Précision	Commentaire	Outil d'édition
0	id_pere	qlonglong	int8	-1	0		Édition de ligne
1	pere	QString	text	-1	-1		Édition de ligne

Relations

Nom	Couche	Champ	Id
1n	Enfant	id_pere	Enfant20140610...

Charger le style... Sauvegarder comme défaut Restaurer le style par défaut Sauvegarder le style... OK Annuler Appliquer Aide

Propriétés de la couche - Enfant | Champs

Mise en page de l'éditeur d'attribut Autogénérer Python Init function

Champs

Type	Nom	Longueur	Précision	Commentaire	Outil d'édition	Alias	WMS
int	int4	-1	0		Édition de ligne		✗
qlonglong	int8	-1	0		Édition de ligne		✗
QString	text	-1	-1		Édition de ligne		✗

Relations

Nom	Couche	Champ	Id
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Charger le style... Sauvegarder comme défaut Restaurer le style par défaut Sauvegarder le style... OK Annuler Appliquer Aide

History

#1 - 2014-06-25 01:50 AM - Matthias Kuhn

Can you please perform a quick test:

Open the field calculator on the Enfant layer and create a new column based on the following expression

id_pere=840070000002

#2 - 2014-06-25 02:53 AM - Michael Douchin

- File relation_bigint_5.png added

The reporter did this :

newcol : smallint

newcol2 : text

	id_enfant	id_pere	enfant	newcol	newcol2
0	2	840070000002	BB	1	1
1	1	840070000001	AA	0	0

I except you need more than this ?

- Should he create a newcol3 in integer format (not bigint) ?
- Should he try to change the relation and use the newcolX instead of the bigint id ?

#3 - 2014-06-25 04:40 AM - Matthias Kuhn

- Category changed from Relations to Expressions

I tracked it down to an error in the expression engine. It internally handles bigint as double, what causes some problems under certain situations.

I proposed a workaround here <https://github.com/qgis/QGIS/pull/1488> (closed unmerged)

#4 - 2014-06-25 07:08 AM - Michael Douchin

- Category changed from Expressions to Relations

Hi

It seems your workaround has not been merge. Do you think there will be a solution before 2.4 ?

Thanks for your help

#5 - 2014-06-25 09:50 AM - Matthias Kuhn

- Assignee deleted (Matthias Kuhn)

- Category changed from Relations to Expressions

Yes, a discussion revealed that it is too risky to introduce this change so short before the release.

It's quite hard to fix the current situation and I miss some information to judge possible solutions.

#6 - 2014-06-26 12:27 AM - Michael Douchin

- Target version changed from Version 2.4 to Future Release - High Priority

Ok, thanks for your help anyway ! I change the target version .

#7 - 2014-06-26 09:35 AM - Matthias Kuhn

- Subject changed from Relation - Hidden children if parent id are bigint to Bigint (qlonglong) support for expressions

#8 - 2014-06-27 05:35 AM - Michael Douchin

While waiting for the fix, the users can use text fields instead of bigint as a workaround to do the joins.

#9 - 2017-05-01 01:08 AM - Giovanni Manghi

- Regression? set to No
- Easy fix? set to No

#10 - 2019-03-09 03:12 PM - Giovanni Manghi

- Resolution set to end of life
- Status changed from Open to Closed

End of life notice: QGIS 2.18 LTR

Source:

<http://blog.qgis.org/2019/03/09/end-of-life-notice-qgis-2-18-ltr/>

Files

relation_bigint_1.png	221 KB	2014-06-24	Michael Douchin
relation_bigint_2.png	147 KB	2014-06-24	Michael Douchin
relation_bigint_3.png	239 KB	2014-06-24	Michael Douchin
relation_bigint_4.png	236 KB	2014-06-24	Michael Douchin
relation_bigint_5.png	33.3 KB	2014-06-25	Michael Douchin