

---

Subject: convert\_parent\_id\_to\_child\_id

Posted by [pdv](#) on Wed, 06 Feb 2019 19:18:32 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi,

I'm accessing some existing PostgreSQL databases on macos. Most of these have a primary key "id" whereas the foreign key is usually object\_id; I know that it is preferred using the same name, but that's no option. Luckily include.library.inc contains a function convert\_parent\_id\_to\_child\_id() to handle this particular case.

The function is called in std.table.class.inc, in the getData() function (line 2551 in the last version).

However for this to work properly the call to where2array(\$where, \$this->pageno, false) a few lines higher should be called with the last parameter set to true.

Regards,

Patrick

---

---

Subject: Re: convert\_parent\_id\_to\_child\_id

Posted by [AJM](#) on Thu, 07 Feb 2019 10:10:50 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Can you provide me with sample code which reproduces this problem so that I can test your solution?

---

---

Subject: Re: convert\_parent\_id\_to\_child\_id

Posted by [pdv](#) on Thu, 07 Feb 2019 13:35:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Tony,

I have a simple one-to-many relationship like department(id,...) <-->>  
employee(id,department\_id,...).

I inserted a button on the department(list1) to list the employee(list2).

So far so good but this returned nothing, although there are matching rows. When looking at the query:

```
SET search_path TO 'public';
SELECT count(*) FROM employee
  LEFT JOIN department ON (department.id=employee.department_id)
  WHERE employee.id= '1' AND employee.department_id= '1'
```

I conclude that the first `employee.id` in the `WHERE` clause should have been `department.id` and then both clauses are redundant.

By debugging the code I've found that in `convert_parent_id_to_child_id` a comparison was made between `'department'` and `"='department'"`. The latter contains the operator because `where2array(...,false)` was called.

With `where2array(...,true)` the proper `WHERE` clause is returned and it works.

Regards,

Patrick

---

---

Subject: Re: `convert_parent_id_to_child_id`  
Posted by [AJM](#) on Fri, 08 Feb 2019 09:50:31 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

Unfortunately your suggested fix will break existing applications. When I originally wrote the `array2where()` function it converted the string `"field=value"` into an associative array (`field => value`) which assumes that the operator is `'='`. In some cases I have to deal with `WHERE` strings where the operator is `LIKE` or `BETWEEN` or `IN`. This is why I added the extra argument to the `where2array()` function so that it will not strip the operators out so that they will be preserved when converting the array back into a string.

The correct fix is to strip the operators from the supplied value in the `convert_parent_id_to_child_id()` function before it is used. You can do this by changing `$fieldarray[$child_name] = $fieldarray['id'];`  
to  
`$fieldarray[$child_name] = stripOperators($fieldarray['id']);`

---

---

Subject: Re: `convert_parent_id_to_child_id`  
Posted by [pdv](#) on Sat, 09 Feb 2019 19:23:24 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

My first idea was also to strip the operators but then I discovered the boolean parameter in the function call.

Since I didn't know the `stripOperators()` that looked easy.

Thanks.

---

---

Subject: Re: `convert_parent_id_to_child_id`  
Posted by [AJM](#) on Sun, 10 Feb 2019 10:02:28 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

The `stripOperators()` function is one of those functions available to the framework that only the framework should need to use.

---

---

Subject: Re: convert\_parent\_id\_to\_child\_id  
Posted by [pdv](#) on Sat, 23 Feb 2019 10:37:53 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I did not check this properly yet and now found out that it does not work.  
I think one should strip the operators from all entries in \$fieldarray.

I've put

```
$fieldarray = stripOperators($fieldarray);
```

at the beginning of the function convert\_parent\_id\_to\_child\_id(\$fieldarray, \$tablename,  
\$parent\_relations)

and that works.

---

---

Subject: Re: convert\_parent\_id\_to\_child\_id  
Posted by [AJM](#) on Sun, 24 Feb 2019 10:12:26 GMT  
[View Forum Message](#) <> [Reply to Message](#)

---

I will change my code accordingly.

---