Subject: Adding a records through a SqlArray with duplicated columns
Posted by Giorgio on Tue, 28 Aug 2018 08:16:06 GMT
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Hi there,
I'm developing an application that uses a PostGresql DB. In the DB there are (among others) one table that contains details of manufacturing machines and another that contains producible items. I have just introduced a third table, that contains what items a machine can produce. Below a snippet from my .sch file regarding those tables.

```
TABLE_ (MACHINES)
  STRING (IDMACHINE, 5) PRIMARY_KEY
  STRING_ (NAME, 20)
END_TABLE

TABLE_ (ITEMS)
  STRING (IDITEM, 2) PRIMARY_KEY
  STRING_ (DESCRIPTION, 20)
END_TABLE

TABLE_ (ITEMS_ALLOWED)
  SERIAL (ID) PRIMARY_KEY
  STRING (IDMACHINE, 5) REFERENCES(MACHINES.IDMACHINE)
  STRING (IDITEM, 2) REFERENCES(ITEMS.IDITEM)
END_TABLE
```

I show the third table (the one with the items each machine can produce) in a SqlArray. To help user to better understand the data, I show also the name of the machine and the description of the item. To show them in a SqlArray, I defined two converters. Below, the code for the first one, the second one works in the same way.

```
struct ConvMachine : Convert
{
	Value Format(const Value &q) const
	{
   Sql sql;
   sql * Select(NAME).From(MACHINES).Where(IDMACHINE == q);
   String name;
   if(sql.Fetch())
    name = sql[NAME];
   else
    descrizione = "";
   return q.IsNull() ? Null : name;
	}
};
```

The SqlArray that manages the tables is defined as below.

EditString item, machine;

...

```
tbl.SetTable(ITEMS_ALLOWED, ID);
tbl.SetOrderBy(IDMACHINE, IDITEM);
tbl.AddColumn(IDMACHINE, t_("ID"),15).Edit(machine);
tbl.AddColumn(IDMACHINE, t_("Machine"), 40).SetConvert(Single<ConvMachine>());
tbl.AddColumn(IDITEM, t_("ID"),10).Edit(item);
tbl.AddColumn(IDITEM, t_("Item"), 100).SetConvert(Single<ConvItem>());
tbl.AppendingAuto().Removing().AppendLine();
tbl.Query();
```

The data are showed correctly, the problem is when I try to add a new record.

The sql code produced is:

insert into ITEMS_ALLOWED(IDMACHINE, IDMACHINE, IDITEM, IDITEM) values (NULL, NULL, NULL, NULL)

That triggers the following error:

ERROR ERROR: column "idmachine" specified more than once

I think that is a really common situation, how can I fix this?

Regards,
gio

Subject: Re: Adding a records through a SqlArray with duplicated columns
Posted by Giorgio on Tue, 28 Aug 2018 08:43:36 GMT
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Very silly question... I've got an answer for myself... just using AddColumnAt.
