

2 foreign keys referencing same table

Asked 3 years, 7 months ago Active 3 years, 7 months ago Viewed 22k times

Can I have two foreign keys in the same table that are referencing an other table named profil(same one) ?

my table is MailSent, it contains : primary key (Id), date, foreignkey1 (profil_sender), foreignkey2 (profil_receiver)

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mysql

database

foreign-keys

primary-key

edited Nov 3 '16 at 12:03

asked Nov 3 '16 at 11:34



Najoua

235 ● 1 ● 4 ● 15

2 Answers

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Add foreign keys (profil_sender_id, profil_receiver_id) to an existing table (MailSent) , follow the following steps:

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```
ALTER TABLE MailSent ADD CONSTRAINT fk_profile_sender_id FOREIGN KEY (profil_sender_id)
REFERENCES TABLE-NAME(id);
```

```
ALTER TABLE MailSent ADD CONSTRAINT fk_profil_receiver_id FOREIGN KEY
(profil_receiver_id) REFERENCES TABLE-NAME(id);
```

answered Nov 3 '16 at 11:51



Rimon Khan

2,059 ● 1 ● 9 ● 14

So it is correct, I thought I should have only one foreign key "profil_id" and then I can get all the other fields using the id – Najoua Nov 3 '16 at 12:05

If you add foreign key profile_id in your table you get all information about foreign key reference table (e.g. profile) using profile_id . – Rimon Khan Nov 3 '16 at 12:09

Yes. It's correct. More about foreign key go to the link: mysqltutorial.org/mysql-foreign-key – Rimon Khan Nov 3 '16 at 12:13

▲ If you want to add foreign keys when create the table, could do like this:

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```
create table MailSent(  
  Id int primary key,  
  date datetime,  
  profil_sender int,  
  profil_receiver int,  
  
  CONSTRAINT fk_sender FOREIGN KEY (profil_sender) REFERENCES profil(id),  
  CONSTRAINT fk_receiver FOREIGN KEY (profil_receiver) REFERENCES profil(id)  
)
```

edited Nov 3 '16 at 12:27

answered Nov 3 '16 at 12:19



zhou yun

51 ● 4