# Add new user

*Step 1-7 happens in FRONT END*
*Step 8-13 happens on EACH receiver*

1. Make sure the data received from user is valid
2. Insert into local db (without UUID)
3. Receive 'localEntityId'

4. Post HttpRequest:*

**createUuidRecord**
+localEntityId
+Entity_type
+Source

*: 'localEntityId' is the id from the record you insert for this new Entity,
'Entity_type' is the type of user (entity?) inserting the new record,
'Source' is the team where the message is coming from (Front-End in this case)

5. Receive userUUID => update local DB

**New user in FE**
+idUser
+userUUID
+lastName
+firstName
+phoneNumber
+email
+street
+houseNr
+city
+PostalCode
+Country
+Type
+Timestamp
+EntityVersion

local SQL

3. update local db
with UUID

UUID Master

1.Insert into

2. createUuidRecord

Front-End:
New User

Receiver_CRM

4. Form XMLmessage String for new user
5. Send XMLmessage to the exchange

rabbitExchange**

Receiver_Kassa

Receiver_Xxx

6. Form XMLmessage from the new user object

7. Send it to 'rabbitexchange'

New user added
(locally)

User is added on the Front-End and
on the UUID master now, front-end has
send an xml usermessage to the exchange
containing the new user's info

**: this is the exchange on our RabbitMQ server
http://10.3.50.38:5672/

8. Receivers interested catch the usermessage
9. Transform the xmlMessage into a user object
10. Insert the object into the local database on the receiver's server

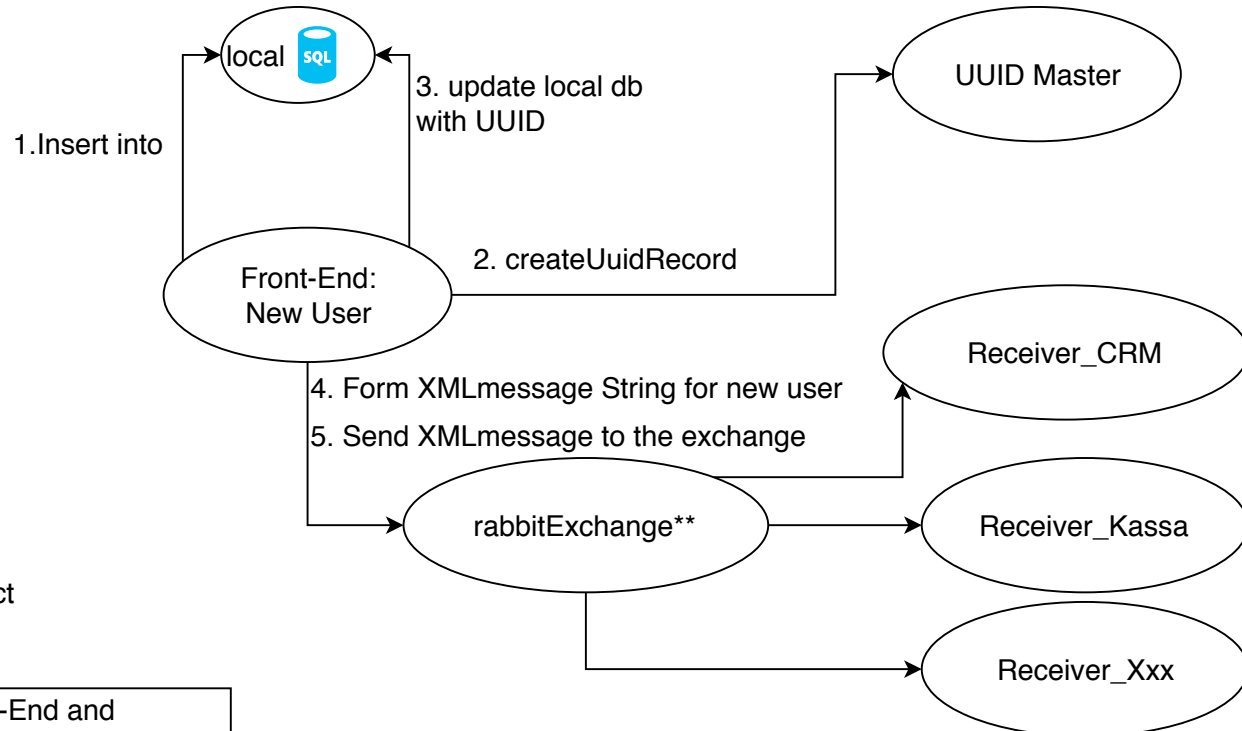11. Receive 'localEntityId'

12. Post HttpRequest: ***

***: 'userUUID' is received from Front-End's XmlMessage
'localEntityId' is the id from the record you insert for this new Entity,
'Entity_type' is the type of user (entity?) inserting the new record,
'Entity_version' is the version of this record
'Source' is your Team's Source_type

**insertUuidRecord**
+(user)UUID
+localEntityId
+Entity_type
+Entity_version
+Source

local SQL

UUID Master

1(10).Insert into

2(12). insertUuidRecord

Receiver_Xxx

13. ... Team specific actions

3(13). ...

...Team Specific Actions...

UUID Master + others:
up-to-date