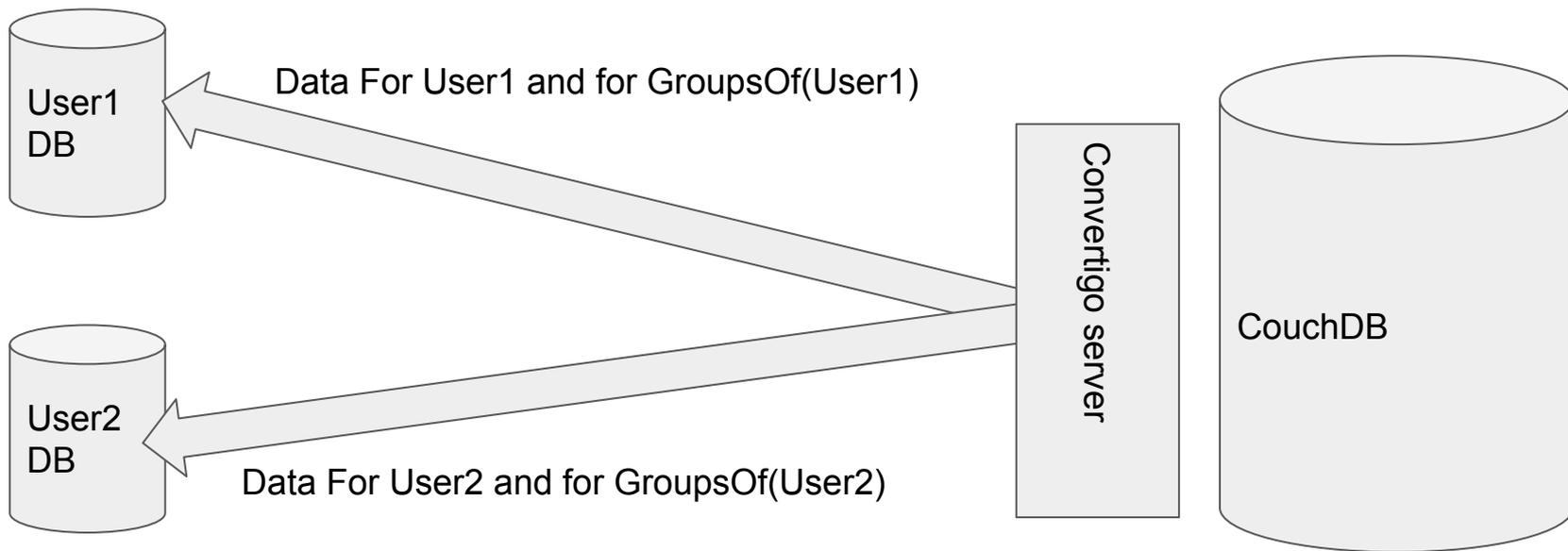


Convertigo FullSync Groups

Group management for Convertigo FullSync

FullSync Group feature

- Have FullSync documents shared within same user groups
- Be able to tag a document to belong to a group
- Have users to belong to one or several groups



Data model

Will be replicated on mobile device only if :

- Step SetAuthenticatedUser("User1") has been executed for this session
- Or Step SetAuthenticatedUser("AnyOtherUser") has been executed and that that "AnyOtherUser" belongs to "GroupA"

Document In Server

- ~c8oAcl="User1"
- c8oGrp="GroupA"
- Other Property
 - SubProperty
 - SubProperty

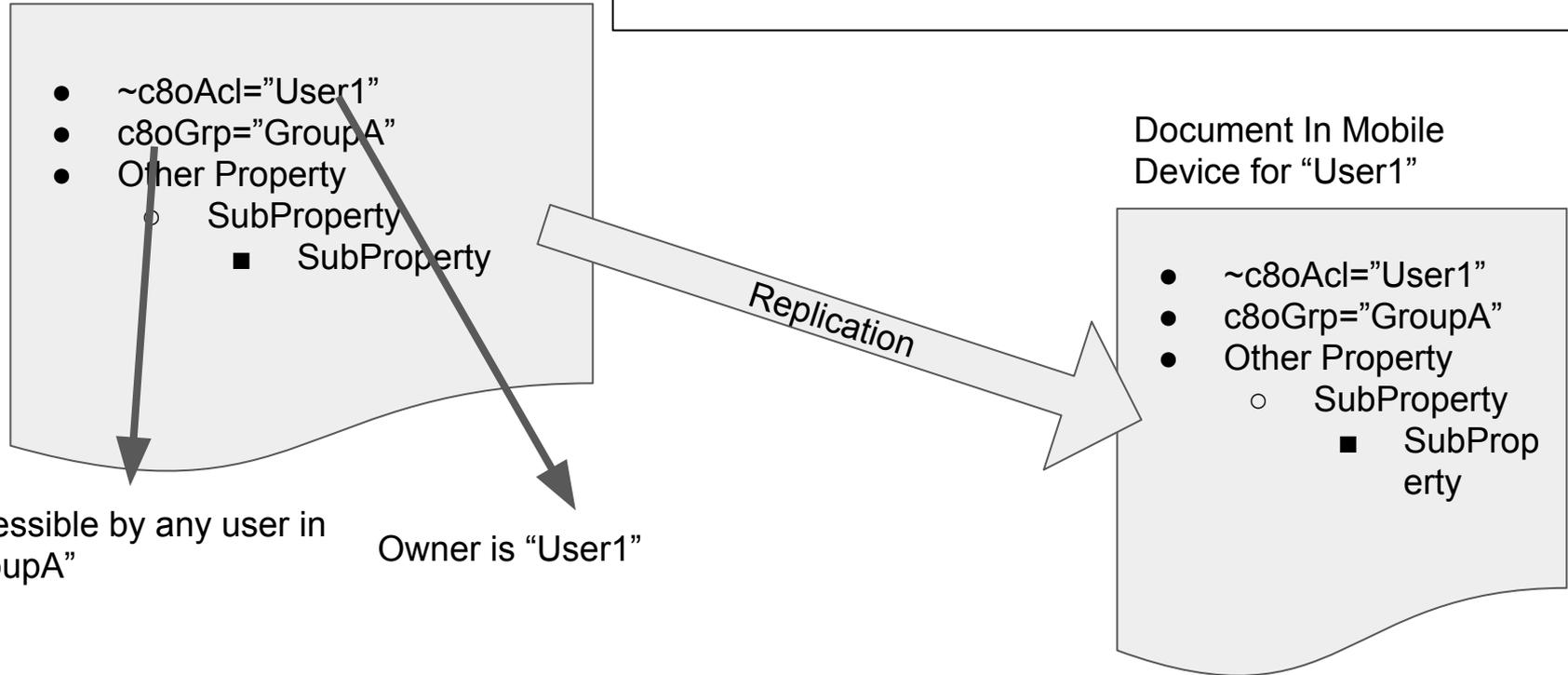
Accessible by any user in "GroupA"

Owner is "User1"

Document In Mobile Device for "User1"

- ~c8oAcl="User1"
- c8oGrp="GroupA"
- Other Property
 - SubProperty
 - SubProperty

Replication



The "c8oGrp" property

If the "c8oGrp" exists in a document, its value can be :

- a simple string : "groupName"
 - the document is owned by "groupName"
- an object : {"groupName1": true, "groupName2": false, "groupName3": "true"}
 - the document is owned by "groupName1" and "groupName3"

Define that a document belongs to group

Simply add a `c8oGrp` property to that document with the group name.

- This can be done with a `PostDocument` transaction on the server side
- Can also be made with a `PostBulkDocument` transaction

When a document is modified on the client side it will be replicated on the server side and the `c8oGrp` property will remain to the original information.

- Convertigo server will ensure that the current `UserID` belongs to this group before committing to CouchDB to avoid to modify document's group to an unauthorized group for the current user.

User/Group Management

Simply use some standard Documents in the CouchDB database associating UserID with a Group

- type must be “c8oGrp”
- Add a User in a group means create a document with this structure
- Available Views
 - GetUsersByGroup(Key => Grp)
 - GetGroupsByUser(Key ⇒ User)
- User/group Database is a separate CDB database shared among all projects on a server
- the lib_FullSyncGrp give some basic primitive sequences to handle group management. SetUserInGroup(user, group), RemoveUserFromGroup(user, group), GroupsOf(user), UsersOf(group)

- `_id="UUID"`
- `type="c8oGrp"`
- `User="User1"`
- `Grp="GroupA"`