

The "People" and "Organisations" BusinessObjects

All the data you add to your Oria App is added using BusinessObject data-tables that are stored in the database. An empty Oria system contains a small number of Business Objects which have been added partly to demonstrate how the system works, but also because they are needed in virtually all Oria Apps.

"People" and "Organisations" are two such BusinessObjects. Data-tables with a minimum number of data-fields and behaviours have been added to all Oria Apps for holding data about People and Organisations. These can be extended and customized as per the needs of any App.

If your App includes BusinessObjects such as Customers, Suppliers, Staff, Users, Farmers, Clients etc., etc. These are likely to be added to your App as "Extensions" of the People and Organisations BusinessObjects.

How the People and Organisations BusinessObjects appear in a typical Oria System

People Edit Form

Viewing one record in for a person in an Oria App.

Note the toolbar at the top of the screen contains many options, which are described in the "Editing Data" help document. That is a sign that this App has been developed.

An additional tab for "Staff" can be seen. This indicates that an "Extension" BusinessObject for Staff data has been added to this App.

Note at the bottom of the screen summary data is also visible.

Viewing one record for an Organisation in an Oria App

This has very similar extensions and additions to the "People" edit window shown above.

Note that the Organisation Business Object includes a WebsiteAddress edit, which is added as a decoration to the data-table.

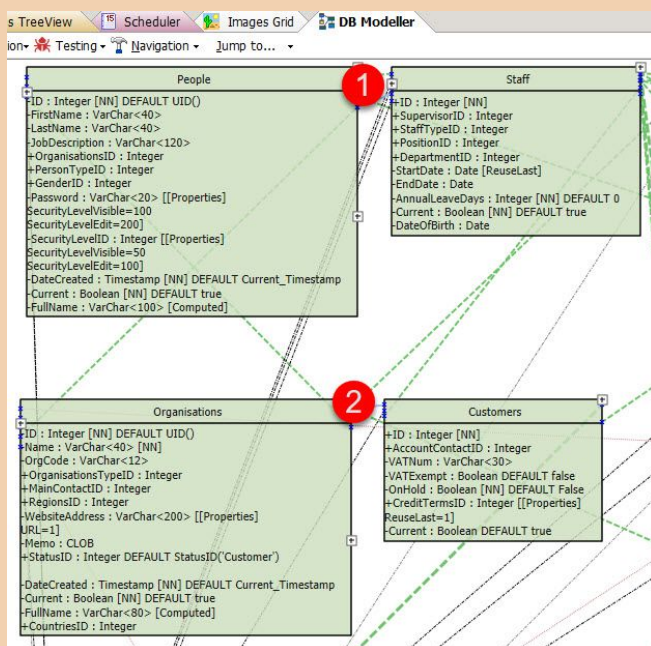
The screenshot shows the 'Organisations Edit Form' for an organisation named 'Ashden'. The form includes fields for Name, OrgCode, WebsiteAddress, OrganisationsTypeID, MainContactID, CountriesID, StatusID, Memo, DateCreated, Phones, Addresses, and EmailAddresses. The 'Memo' field contains the text 'Renewable Energy: Charly, long time trustee with 2000'. The 'DateCreated' field shows '17/12/2019 17:00:04'. The 'Current' checkbox is checked.

Organisations Edit Form

Altering and extending the People and Organisations BusinessObjects

If you want to learn how to extend and develop Orixa Applications read the following short introductions to how the People and Organisations BusinessObjects are created in the App, and how to extend them.

If you are only interested in using you App (not extending or developing it) this section is not really relevant.



People Organisations Data Modeller

This image shows the People (1) and Organisations (2) BusinessObjects displayed in the Orixa App DB-Modeller.

Here you can see all the data-fields in each data-table, and (if you look carefully) you will see that each field in the table is represented in the Edit-Forms above as a data-edit, with particular properties and character depending on the decoration and constraints on the each BusinessObject.

Please review the help topic on the DB-Modeller for more about how to use it to extend a BusinessObject.

Note that to extend a data-table in Orixa all that is needed is to run a SQL script such as:

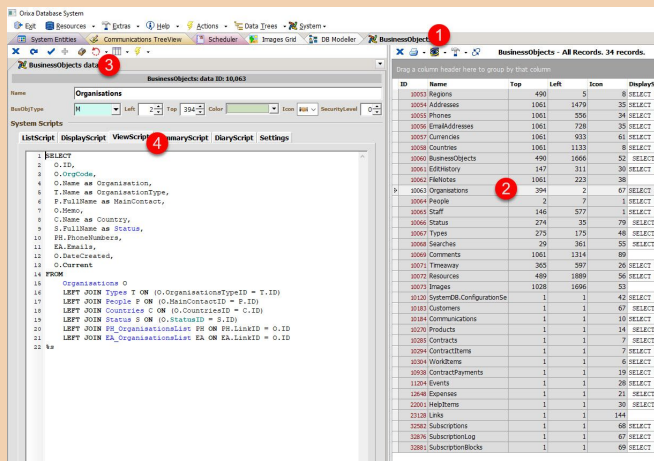
```
ALTER TABLE People ADD COLUMN "Memo"
VARCHAR ( 200 )
```

Once this is done a new "Memo" field would appear in the Edit Form.

Of course there is a lot more complexity to the process than this, new data-columns can be "constrained" with a relationship to another data-table, or they can be "decorated" with additions that alter how they appear, whether they are read-only etc., etc.

This image shows the BusinessObjects grid in Orixa

1. Access the grid from the System Menu.
2. Click on a record to edit it.



The screenshot shows the Orixa Database System interface. The 'System Scripts' tab is active, displaying a list of scripts for the 'Organisations' Business Object. The 'BusinessObjects' tab is also visible, showing a list of records for the 'Organisations' Business Object. The 'Organisations' Business Object record is highlighted in the 'BusinessObjects' tab.

System Scripts

```

1 SELECT
2   O.ID,
3   O.orgCode,
4   O.Name as Organisation,
5   T.Name as OrganisationType,
6   F.FullName as MainContact,
7   O.Hono,
8   C.Name as Country,
9   S.FullName as Status,
10  PS.PhoneNumbers,
11  EA.Emails,
12  O.DateCreated,
13  O.Current
14 FROM
15   Organisations O
16 LEFT JOIN Types T ON (O.OrganisationTypeID = T.ID)
17 LEFT JOIN People P ON (O.MainContactID = P.ID)
18 LEFT JOIN Countries C ON (O.CountryID = C.ID)
19 LEFT JOIN Status S ON (O.StatusID = S.ID)
20 LEFT JOIN PS_OrganisationList PS ON PS.LinkID = O.ID
21 LEFT JOIN EA_OrganisationList EA ON EA.LinkID = O.ID
22

```

BusinessObjects

ID	Name	Top	Left	Icon	DisplayC
0003	Regions	490	5		8 SELECT R
0004	Addresses	1061	1479		35 SELECT A
0005	Phones	1061	356		34 SELECT P
0006	EmailAddresses	1061	728		35 SELECT E
0007	Currencies	1061	933		61 SELECT C
0008	Countries	1061	1133		6 SELECT C
0009	BusinessObjects	490	1666		52 SELECT B
0001	EdHistory	147	311		30 SELECT C
0002	FallNotes	1061	223		28
0003	Organisations	394	2		67 SELECT O
0004	People	2	7		1 SELECT P
0005	Staff	146	577		1 SELECT S
0006	Status	274	15		79 SELECT S
0007	Types	275	170		48 SELECT T
0008	Searches	29	361		55 SELECT S
0009	Comments	1061	1314		89
0010	Timeaway	365	587		26 SELECT R
0011	Resources	489	1889		56 SELECT R
0012	Images	1026	1696		53
0120	SystemDB.ConfigurationSe	1	1		42 SELECT E
0181	Customers	1	1		67 SELECT C
0184	Communications	1	1		10 SELECT C
0270	Products	1	1		14 SELECT P
0285	Contracts	1	1		7 SELECT C
0294	ContractItems	1	1		7 SELECT C
0304	WorkItems	1	1		6 SELECT C
0308	ContractPayments	1	1		19 SELECT C
1124	Events	1	1		28 SELECT E
1248	Expenses	1	1		21 SELECT E
2001	HelpItems	1	1		30 SELECT H
2118	Links	1	1		144
3282	Subscriptions	1	1		68 SELECT S
3283	SubscriptionLog	1	1		67 SELECT S
3284	SubscriptionItems	1	1		69 SELECT S

Organisations Business Object record

3. The edit-form will open.

4. Alter the different scripts in the record to alter the behaviour of the BusinessObject.

If a new field is added to the BusinessObject and you want it to be shown in your Orixa App, you would simply add a reference to it in one or more of the BusinessObject Script fields.

More information about this is found in the help topics on extending and developing your Orixa App.