

There are two applications related to custom tables in Kentico:

- **Custom tables** application allows you to create new custom tables, given you possess the global administrator privilege level. You can also view and manipulate data in existing tables using this interface.
- **Custom table data** application allows you to view and manipulate data in existing custom tables only.

Note that you can create new custom tables using the wizard in the **Custom tables** application only. There is currently no simple way of creating custom tables using the API. This is due to the need to create related objects and settings — these tasks are handled by the wizard.

Creating a custom table

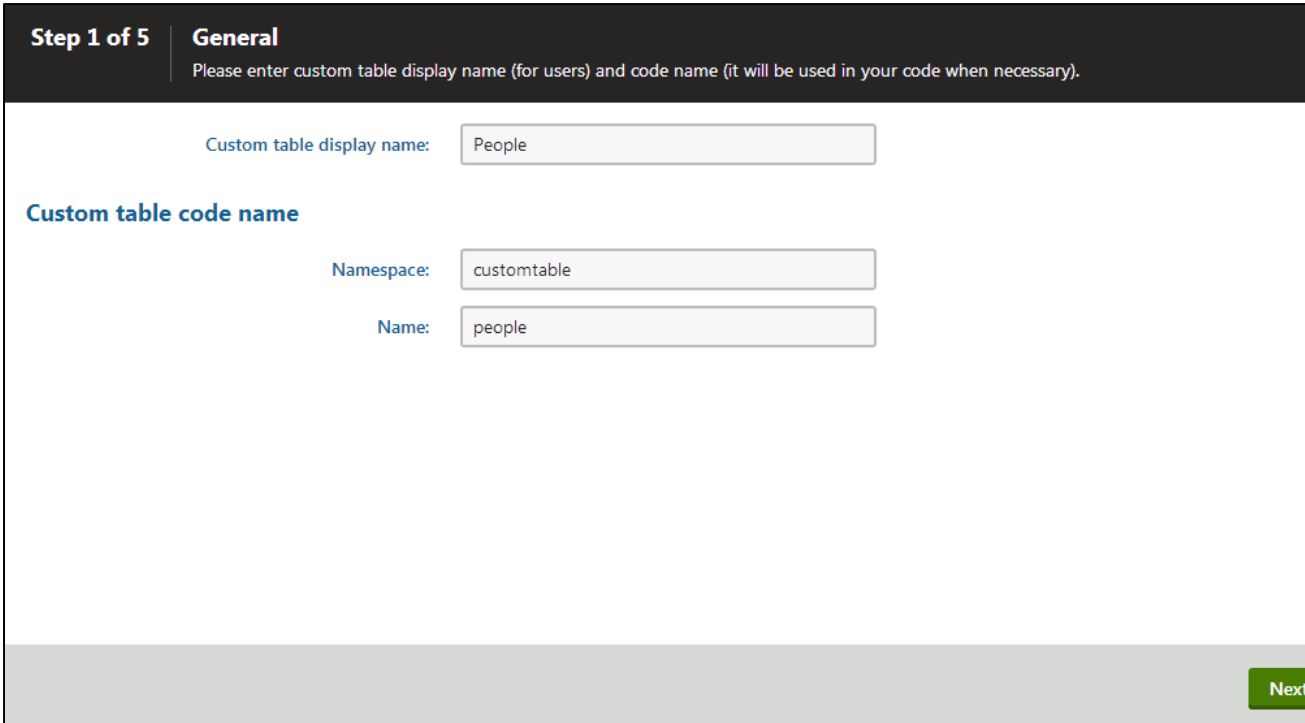
Follow the example to create a new custom table using the **New custom table wizard**.

Starting the New custom table wizard

1. Open the **Custom tables** application.
2. Click **New custom table**. A **New custom table wizard** starts.

Step 1

1. Enter the following details:
 - **Custom table display name:** People
 - display name is used in Kentico user interface.
 - **Namespace:** customtable
 - **Name:** people
 - Name is used in website code — always preceded by a Namespace, which allows you to have different tables of the same name in different contexts.
2. Click **Next**.



Step 1 of 5 | **General**

Please enter custom table display name (for users) and code name (it will be used in your code when necessary).

Custom table display name:

Custom table code name

Namespace:

Name:

Next

Step 2

Specify the details of the database table that the custom table uses.

1. Choose **Create a new database table**.
2. Leave the value `customtable_People` in the **Database table name field**.

- **Create a new database table** - choose this option to create a brand new table in the system's database.
 - **Database table name** - the actual name of the table in the system database. A name in the `<namespace><code name>_` format is pre-filled automatically.
 - **Primary key name** - primary key column name, pre-filled with the *ItemID* value.
- **Use an existing database table** - choose this option if you already have a physical table in the system database and want to register it in the system.
 - **Database table name** - the actual name of the table in the system database. The drop-down list offers only database tables which are not part of the default Kentico database schema and are not yet registered for any object.
 - **Primary key name** - primary key column name. The original table's primary key column is used automatically. Note that this column needs to be an identity column as well.

The following check-boxes allow you to choose the default fields that you want to include in the custom table:

- **Include ItemGUID field** - globally unique ID of the particular custom table data record. Note that this field is mandatory if you want to [stage the table's data](#) to a different instance of Kentico.
- **Include ItemCreatedBy field** - user name of the user who created the item.
- **Include ItemCreatedWhen field** - date and time of when the item was created.
- **Include ItemModifiedBy field** - user name of the user who last modified the item.
- **Include ItemModifiedWhen field** - date and time of last modification.
- **Include ItemOrder field** - order of the item when table content list is displayed. The lower number, the earlier position in the list.

3. Make sure all the checkboxes are enabled.

4. Click **Next**.

Step 2 of 5 | **Data type**
Please supply name of the new database table and included fields.

☒ Create a new database table
☐ Use an existing database table

Database table name:

customtable_people

Primary key name:

ItemID

Include ItemGUID field:

☒

Include ItemCreatedBy field:

☒

Include ItemCreatedWhen field:

☒

Include ItemModifiedBy field:

☒

Include ItemModifiedWhen field:

☒

Include ItemOrder field:

☒

Next

Step 3

Third step contains a [field editor](#). The field editor lets you define the columns in the database table.

Create the following fields to follow this example:

1. Create a field using the **New field** button with the following properties:

- **Field name:** FirstName
- **Data type:** Text
- **Size:** 100
- **Required:** Yes (check the box)
- **Field caption:** First name
- **Form control:** Text box

2. Click **Save**.

3. Create a second field using **New field** with the following properties:

- **Field name:** LastName
- **Data type:** Text
- **Size:** 100
- **Required:** Yes (check the box)
- **Field caption:** Last name
- **Form control:** Text box

4. Click **Save**.

5. Create a third field using **New field** with the following properties:

- **Field name:** DateOfBirth
- **Data type:** Date
- **Required:** No (leave the box unchecked)
- **Field caption:** Date of birth
- **Form control:** Calendar
- **Editing control settings -> Edit time:** No
- **Editing control settings -> Show 'Now' link:** No

6. Click **Save**.

7. Click **Next**.

Step 3 of 5 **Fields**
Please define custom fields of the custom table and their appearance in the editing form.

Save

New field

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ItemID*

FirstName*

LastName

New field

ItemCreatedBy

ItemCreatedWhen

ItemModifiedBy

ItemModifiedWhen

ItemOrder

ItemGUID*

General

Field name:

DateOfBirth

Field type:

Date

Required:

☐

Default value:

GUID:

☒ Display field in the editing form

Field appearance

Field caption:

Date of birth

Field description:

Next

Step 4

Select for which sites you want to make the custom table available

1. Click **Add sites**. A dialog box opens.
2. Choose **Corporate Site** (or any site that you want to add the custom table to).
3. Click **Next**.

Step 5

The last step gives you an overview of the tasks executed by the wizard.

Finish the wizard. The system redirects you to the **General** tab of the custom table that you created.