<u>Field Level Security App</u>

Field Level Security

Ever wondered how you can manage roles & permissions at 'field level' in Business Central. There have been multiple cases when an organization needs to control security at 'field level' but this has remained a challenge ever since.

This APP will let you define user-based field level permissions.

You can control on the fly of your own on what tables & fields are to be permissible to a user and what not. Once this APP is installed there is no need of Developer to make custom changes and you can control & manage the field level security with admin rights.

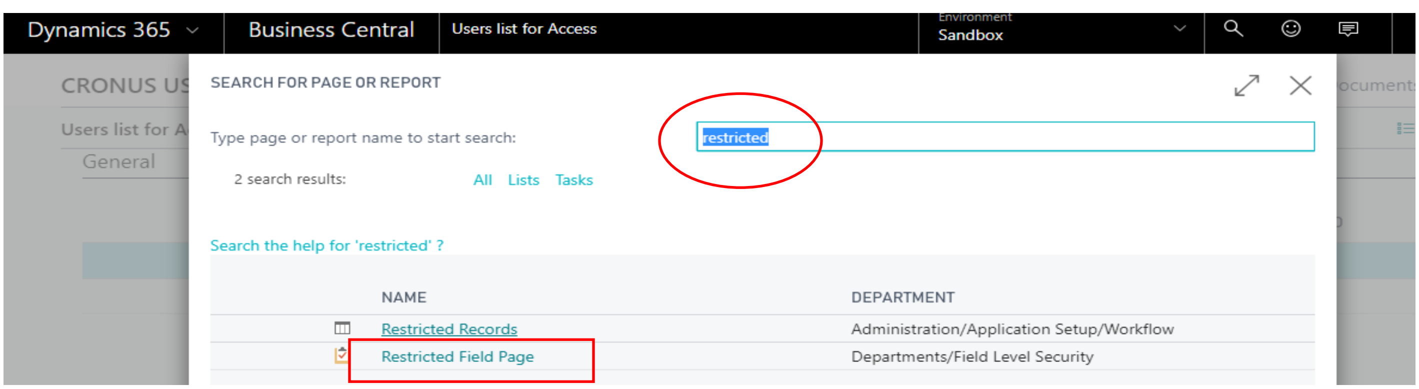
Example:

If we want to restrict a user's ability to modify the **City** of a **customer** or delete a customer record, then with the help of this app, we can set up field/record level security.

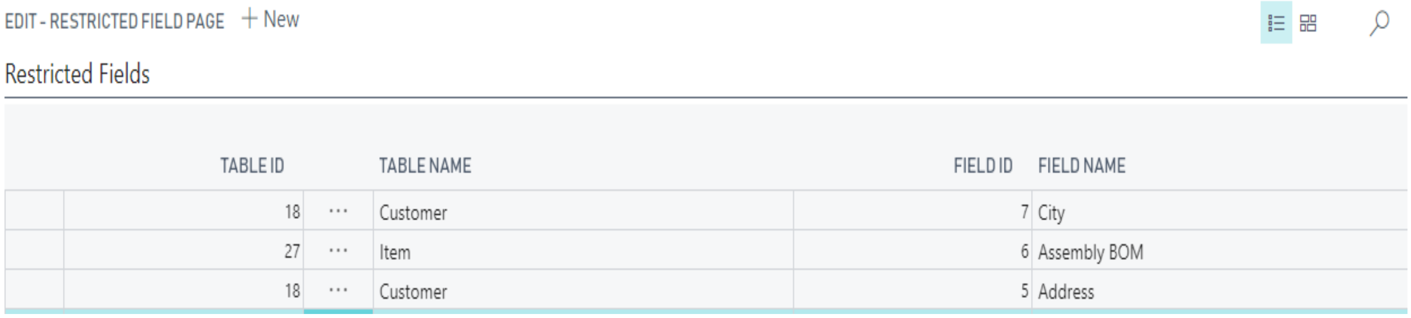
Field Level Security Setup:

Step 1:

On Business central search as below:



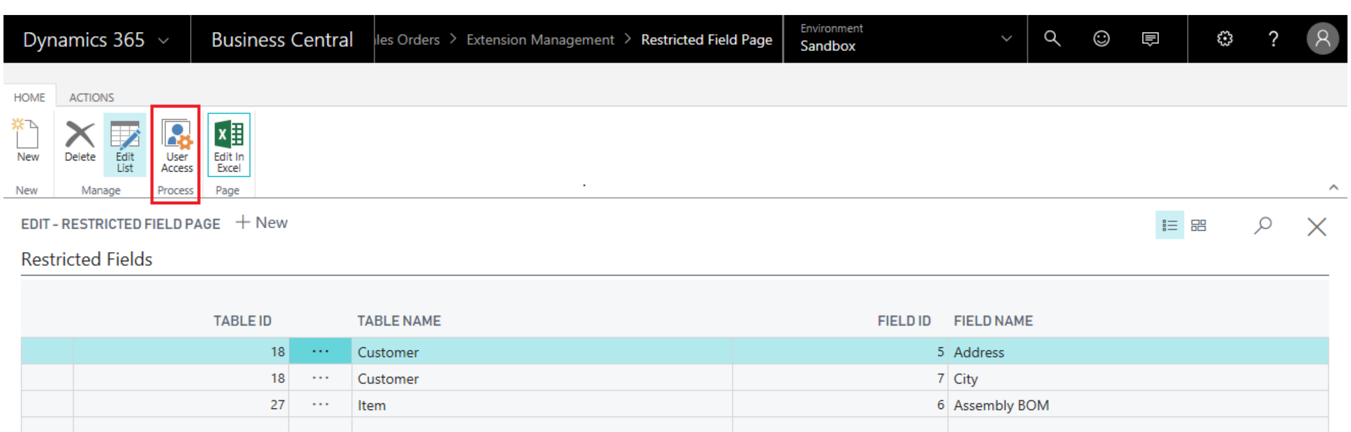
Step 2: Open 'Restricted field' page and create some demo data as below with table id and field id as below:



This page consists of the following fields:

- **<u>Table ID</u>:** Define the ID of the Table against which you want to create field level security.
    - e.g. table 18 (customer).
- **<u>Table Name:</u>** Auto populates the correspondence Table ID.
- **<u>Field ID</u>**: Define the ID of the field against which you want to assign field level permissions.
    - e.g. field id -7 (city) of customer table (18).
- **<u>Field Name</u>**: Auto populates the correspondence Field ID.

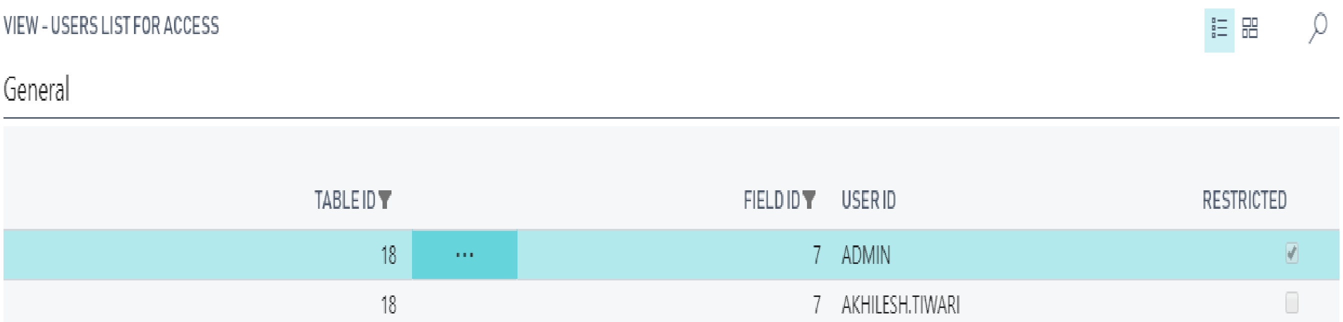
<u>Step 3:</u> Once the fields have been defined, click on the '**User Access'** button to set up individual authorization for those fields.



<u>Step 4:</u>

On click of action ‘**User Access**’ new page will open and show list of users available in ‘**user setup’** with that table id and field id, kindly look into below example of table Id 18 and field Id 7:

Note: only those users will show whose user setup is defined.

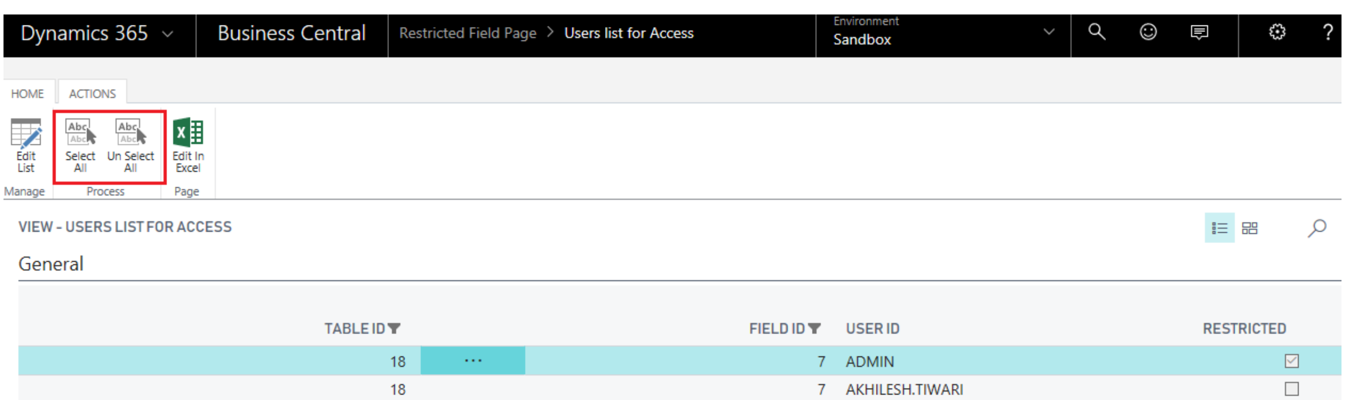


Fields available:

- **Table Id:** Auto populates.
- **Field Id:** Auto populates.
- **User ID:** Auto populates all available users.
- **Restricted:** Boolean. Check the appropriate user ID to restrict the ability to modify or delete.

Note: If you check Restricted Boolean against those users as shown in above example, cannot modify that field.

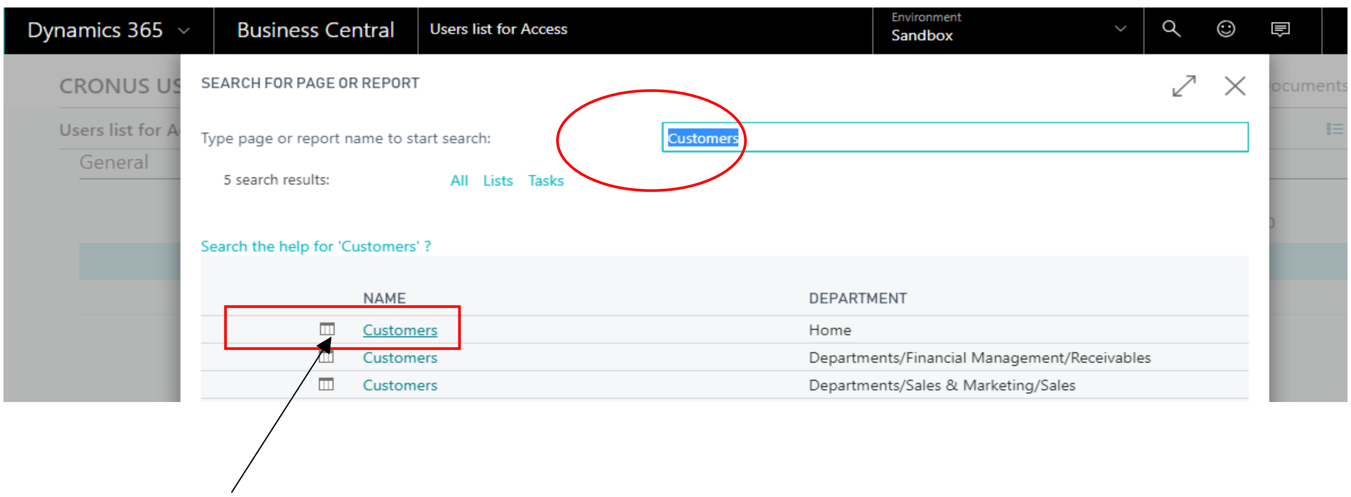
If there is a large number of users, have two buttons to allow **select all** and **unselect all.**



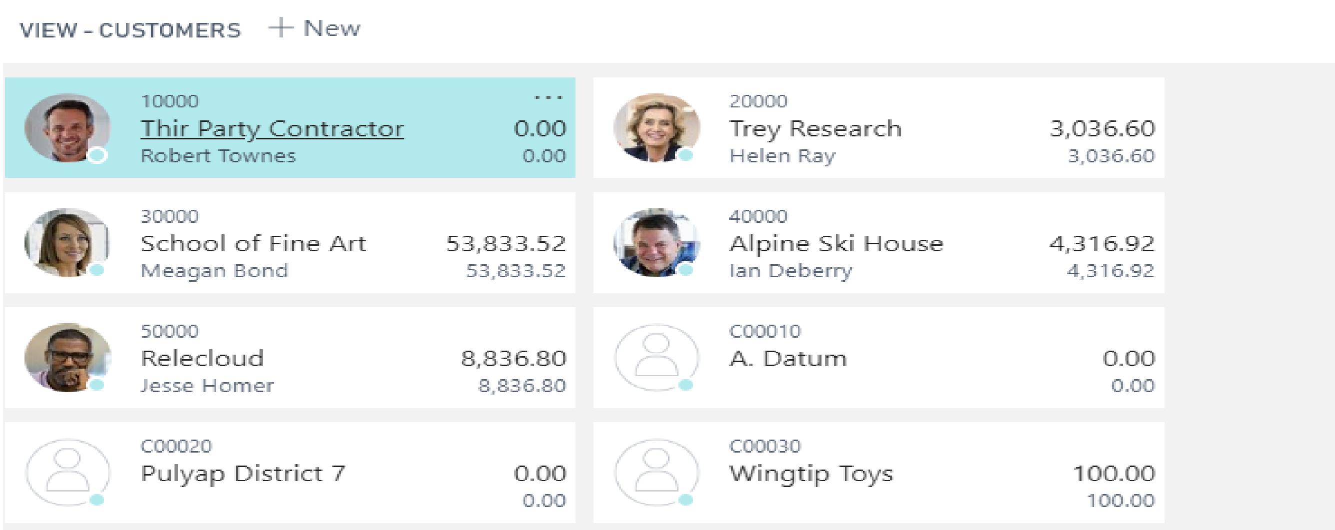
<u>Step 5:</u> Now we will check that Restricted users cannot modify that field.

- Let's take an above example to restrict customer's city. When a restricted user tries to modify the customer address on a customer card, they will be prompted with an error:

Go to the search and type **Customers** as below:



Click on search result here, new customer list page will open as below:



Click on any customer, card will open and now try to modify the city of that customer, after modification press

Esc button to close the page, if the user is restricted to modify in above user access setup, he will get below

Error and modification will rollback: