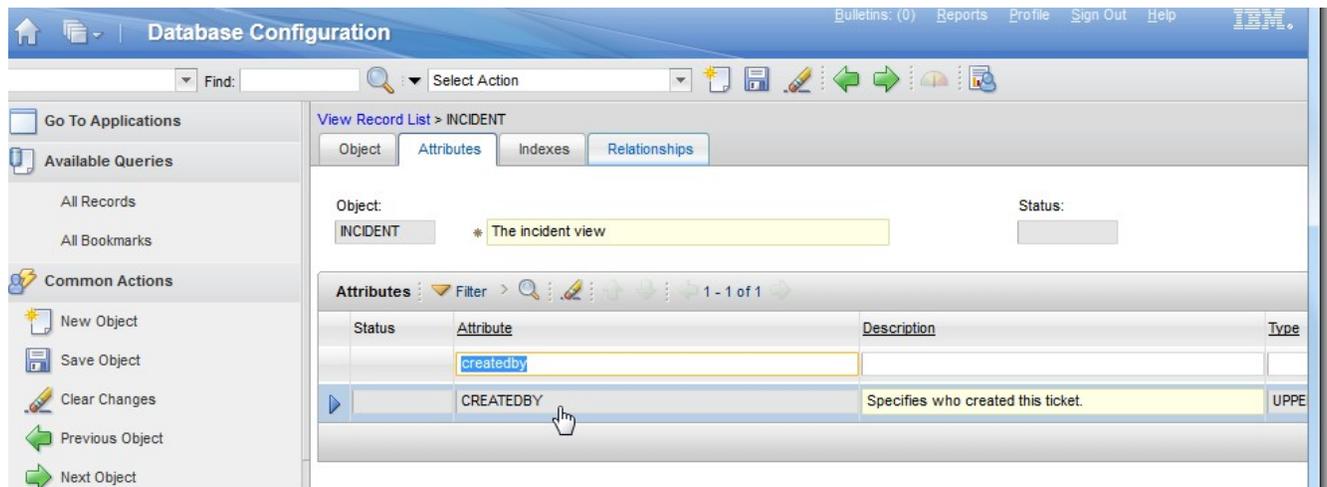


Modifying the Advanced Search dialog using Application Designer.

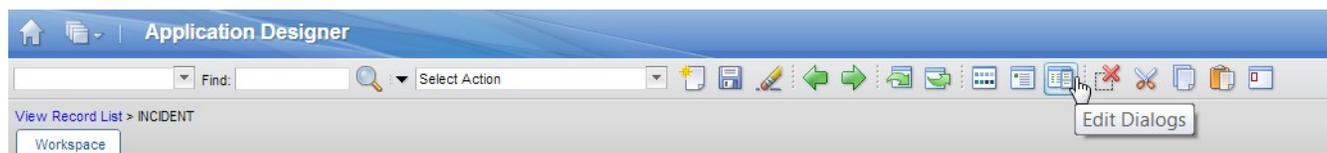
Each application can be searched based on the fields available in the List Tab of the application. Every power application also has an Advanced Search or “More Search Fields” dialog that allows end users to search based on additional fields. However what if your end users need to search on a field that is not currently available in the Advanced Search dialog? For example your end users would like to find Incidents that they created. Go to the Database Configuration application and select the INCIDENT object and the Attributes tab. If you search through the available attributes you can see that the CREATEDBY attribute captures this information.

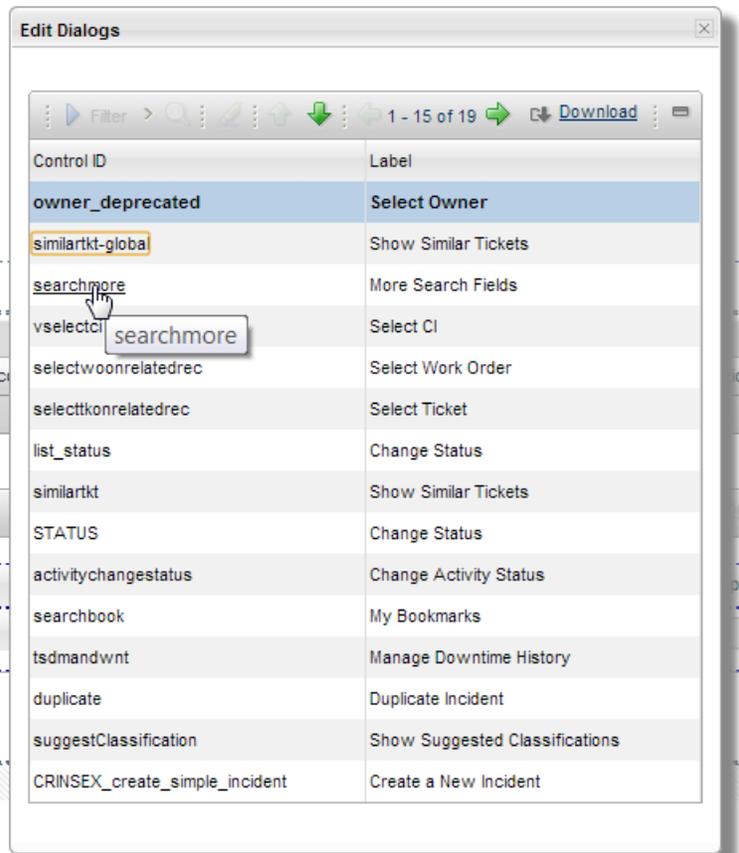


We will demonstrate how to add this attribute to the Advanced Search dialog using the Application Designer. Application Designer has a drag-and-drop interface that allows system administrators to modify the user interface of an application.

Add the Control

Launch the Application Designer and select the Incidents application. The More Search Fields dialog is available for editing by clicking the “Edit Dialogs” button in the toolbar and then clicking the “searchmore” entry.





The easiest way to add the new field is to find another Person-related search field and simply copy and paste it into the dialog. You can also drag and drop a new Textbox control into the dialog to represent the new field and then manually set all the control properties, but this post will assume that you cloned the Owner field.

Configure Control Properties

Select the new control and right-click on it and select Properties. In the Control Properties dialog, set the Attribute field to be CREATEDBY. If you've done this correctly, the Default Label field should be updated to say "Created By" from the MBO Attribute meta data.

Textbox Properties

General Advanced

Control ID:
1351102586988

Default Label:
Created By

Label:
[Empty]

Hide Label?

Turn Smart Fill Off?

Attribute:
CREATEDBY

Data Source ID: Attribute: CREATEDBY

Lookup:
PERSON

Go To Applications:
PERSON

Input Mode:
Query

Menu Type:
NORMAL

Size:
[Empty]

Notice that the Input Mode is set to "Query" automatically, this is required for fields in the Advanced Search dialog.

Textbox Properties

General Advanced

Control ID:
1351102586988

Default Label:
Created By

Label:
[Empty]

Hide Label?

Turn Smart Fill Off?

Attribute:
CREATEDBY

Data Source ID:
[Empty]

Lookup:
PERSON

Go To Applications:
PERSON

Input Mode:
Query

Menu Type:
NORMAL

Size:
[Empty]

Setting the Menu Type to “NORMAL” will provide this detail menu next to the Created By field that provides both the Select Value link and the Go To application option.



If you leave the Menu Type blank, only the Select Value option would be provided to your end users.

Notice that the Lookup was set to “PERSON”.

Textbox Properties

General Advanced

Control ID:
1351102586988

Default Label:
Created By

Label:
[Empty]

Hide Label?

Turn Smart Fill Off?

Attribute:
CREATEDBY

Data Source ID:
[Empty]

Lookup:
PERSON

Go To Applications:
PERSON

Input Mode:
Query

Menu Type:
NORMAL

Size:
[Empty]

This Lookup field points to an unique id of a lookup dialog in the Lookups System XML. The lookup id you specify determines which dialog will show to the end user when they click the "Select Value" Magnifying glass next to the field.



Here is the PERSON lookup dialog:

Select Value

Filter > 1 - 20 of 72

Download

<input type="checkbox"/> Person	Name	Title	Department	Person's Location	Person's Site	Organization
<input type="checkbox"/>	DEFLT	DEFLT				
<input type="checkbox"/>	DEFLTREG	DEFLTREG				
<input type="checkbox"/>	MAXADMIN	MAXADMIN				
<input type="checkbox"/>	SYSADM	SYSADM				
<input type="checkbox"/>	WORKFLOW	WORKFLOW				
<input type="checkbox"/>	MXINTADM	MXINTADM				
<input type="checkbox"/>	MAXREG	MAXREG				
<input type="checkbox"/>	EXT_SD	External SD				
<input type="checkbox"/>	PMSCADMUSR	SC Administrator				
<input type="checkbox"/>	PMSCOAUSR	Operations Analyst				
<input type="checkbox"/>	PMSCOSUSR	Operations Specialist				
<input type="checkbox"/>	PMSCSDGNUSR	Service Designer				
<input type="checkbox"/>	PMSCSDMUSR	Service Delivery Manager				
<input type="checkbox"/>	PMSCSEMUSR	Service Execution Manager				
<input type="checkbox"/>	PMSCSRUUSR	Service Requisition User				
<input type="checkbox"/>	PMSCSRUMUSR	Service Requisition User Manager				
<input type="checkbox"/>	PMSCUCAUSR	User Contact Analyst				
<input type="checkbox"/>	PMCFGADM	PMCFGADM				
<input type="checkbox"/>	SDADMIN	Service Desk Administrator				
<input type="checkbox"/>	SDUSER	Self Service User				

OK Cancel

If you're interested in using another lookup, or adding a new field to this existing lookup, you can view the Lookup xml by using the Select Action->Export System XML option in Application Designer. For this exercise, we will reuse this existing PERSON lookup dialog.

The Go To Applications field contains the ID of the application to launch to.

Textbox Properties

General Advanced

Control ID:
1351102586988

Default Label:
Created By

Label:
[Empty]

Hide Label?

Turn Smart Fill Off?

Attribute:
CREATEDBY

Data Source ID:
[Empty]

Lookup:
PERSON

Go To Applications:
PERSON

Input Mode:
Query

Menu Type:
NORMAL

Size:
[Empty]

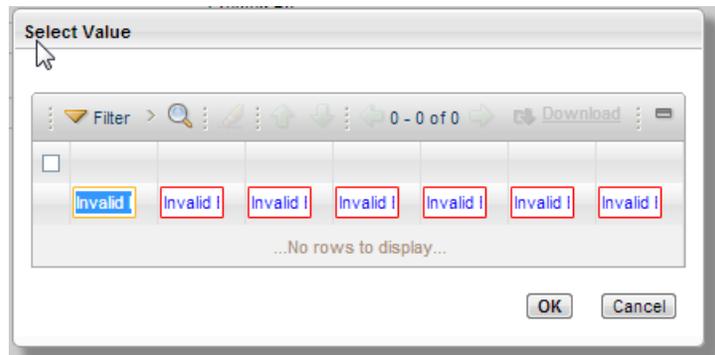
Setting the “Go To Applications” field to “PERSON” will allow the end user to launch to the Person application to select a person using the link below.

Created By: [Field] [Select Value]

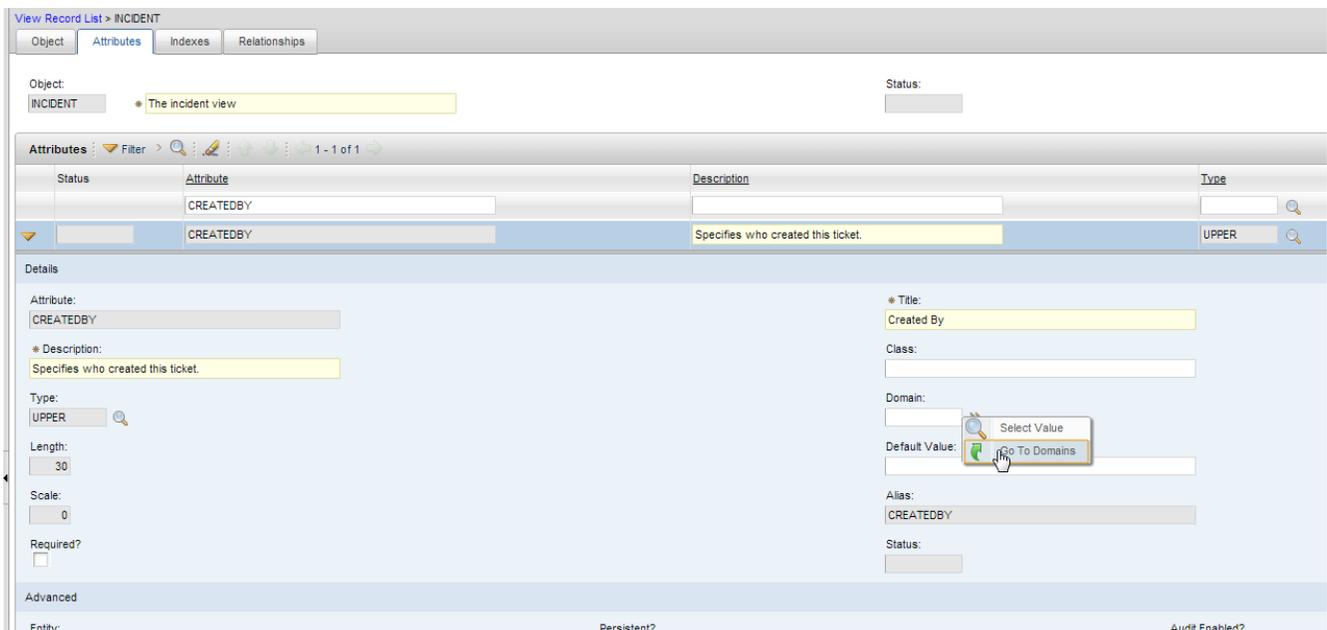
Owner: [Field] [Go To People]

Configure the MBO Attribute

One last step is required by the “Select Value” lookup dialog. The lookup dialog needs to understand which MBO to display. The dialog examines the attribute and uses either the Java field class or a table domain to make this determination. The CREATEDBY attribute of the INCIDENT object has neither a Java field class, nor a table domain associated with it so the Lookup dialog will throw invalid bindings if you click the Select Value button.



Go to the Database Configuration application for the Incident object, and look at the CREATEDBY attribute. Notice that there's no Class or Domain set on this attribute. We'll need to add a table domain to indicate that we will be searching Person MBOs to populate this field. Go to the Domain field, and select Go To Domains.



In the domains application, create a new Table Domain

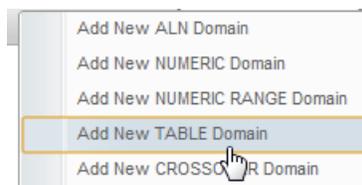


TABLE Domain

Domain:
 XXPERSON All Person Records

TABLE Domain Filter > 1 - 1 of 1 Download

Object	List Where Clause	Organization	Site
PERSON			

* Object:
 PERSON

Validation Where Clause:

List Where Clause:

Error Message Group:

Error Message Key:

Organization:

Site:

New Row

OK Cancel

Select this new Table domain and click the Return With Value button.

Return Return With Value IBM

Select Action

Domains Filter > 1 - 1 of 1 Download

Domain	Description	Domain Type	Data Type	Length	Scale
xxperson					
XXPERSON	All Person Records	TABLE			

Add New Domain

Go To Applications

Available Queries

All Records

Common Actions

Save Domain

Clear the Change

Create Report

More Actions

Disable Caching

Run Reports

Cognos Reporting

Return With Value ALT-

Save the updates to the CREATEDBY attribute, and from the List Tab of the Database Configuration, run the “Apply Configuration Changes” action.

Test the new Search Field

Once this finishes, you can launch the Incident application and click the Advanced Search button. The newly added “Created By” field allows us to type the person name, select the person from a lookup or go to the person application to select a person. After we fill in a person name, clicking the find button will filter the Incidents application so that only Incidents created by that person will show up.

More Search Fields | Current Query:

Incident:	Service Group:	Status:
<input type="text"/>	<input type="text"/> »	<input type="text"/> 🔍
Summary:	Service:	Site:
<input type="text"/>	<input type="text"/> 🔍	<input type="text"/> 🔍
Asset:	Vendor:	History?
<input type="text"/> »	<input type="text"/> »	<input type="text"/> 🔍
Asset Site:	Reported By:	Reported Priority:
<input type="text"/> 🔍	<input type="text"/> »	<input type="text"/> 🔍
Location:	Affected User:	Internal Priority:
<input type="text"/> »	<input type="text"/> »	<input type="text"/>
Configuration Item Number:	Created By:	Originating Record:
<input type="text"/> »	<input type="text"/>   	<input type="text"/> »
Classification:	Owner:	Originating Record Class:
<input type="text"/> »	<input type="text"/>   	<input type="text"/> 🔍
Global Issue?	Owner Group:	External Record:
<input type="text"/> 🔍	<input type="text"/> »	<input type="text"/>
Related to Global ID:		Response Plan:
<input type="text"/> 🔍		<input type="text"/> »
Global Class:		
<input type="text"/> 🔍		

 Select Value
 Go To People

Dates

	From	To		From	To
Reported Date	<input type="text"/> 📅	<input type="text"/> 📅	Affected Date	<input type="text"/> 📅	<input type="text"/> 📅
Target Contact	<input type="text"/> 📅	<input type="text"/> 📅	Actual Contact	<input type="text"/> 📅	<input type="text"/> 📅
Target Start	<input type="text"/> 📅	<input type="text"/> 📅	Actual Start	<input type="text"/> 📅	<input type="text"/> 📅
Target Finish	<input type="text"/> 📅	<input type="text"/> 📅	Actual Finish	<input type="text"/> 📅	<input type="text"/> 📅

Find **Restore Application Defaults** **Revise** **Cancel**