

DesignBais

Top 10 Developer Features

Version 8.5.1.1

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Overview

DesignBAIS is a toolset for building full cross-browser and Responsive Design application software. The user interface is intuitive and easy to use. Links to the underlying database are transparent such that developers do not require intimate knowledge of the particular database on which the software development is undertaken.

DesignBAIS knows about Tables or Files which have Fields. These are defined within DesignBAIS. They are then available to the developer to use in Forms, Reports and Selection Processes.

DesignBAIS also incorporates a host of other features that allow sophisticated software to be developed and deployed quickly and easily. These features include Styles (or Classes) and Style Groups, Menus, Users and User Groups, Business Rules, Glossary with multi-language support, Form and Field context sensitive help, Entity Security definitions, Field Lockdown, End of Period Processing, Full Word Indexing, Express Reporting and a comprehensive range of Upgrade and Migration tools.

This document highlights the features in DesignBAIS Release 7 and above that make application software development easier and quicker as compared to DesignBAIS Version 6. The *Top 10* part of this document's name is a marketing phrase – there are many more than 10 features that deserve highlighting.

Functions such as the Forms Designer do not feature highly in this *Top 10* document. Clearly this is not because these functions are not feature-rich. Rather it is because the standard, and excellent, DesignBAIS tools are well known to software developers who have been using DesignBAIS for many years. This document is designed to highlight some newer features that add even more ease to the development process.

If you are new to DesignBAIS this summary should be read in conjunction with the DesignBAIS Reference Manual which provides a comprehensive reference to all the features of DesignBAIS.

Happy Developing!

(DesignBAIS welcomes your feedback or questions. Contact us via email at support@bais.con.au)

Run a Form

There is a new option to *Run DesignBAIS Form*. This is useful for developers wanting to run a form located in DBISYSFORMS and which may not be on any menu. The *Recent* option allows you to select from a list of recently run forms.

Editor Manuals Account Selection Run a Form Logout Favorites

Run a Form Recent Run DesignBais Form

Filename --No File Selected--

Form Name

Run

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Editor Manuals Account Selection Run a Form Logout Favorites

Run a DesignBais Form

Form Id --Select Form Id --

- 298 DBIUSERS*D30 - User Logout
- 299 DBIUSERS*D35 - User Start Account Report
- 300 DBIUSERS*D40 - Change Password
- 301 DBIUSERS*D50 - Available Forms and Reports
- 302 DBIUSERS*D60 - Exclusive Record Locks
- 303 DBIUSERS*D70 - Exclusive Record Locks in this Account
- 304 DBIUSERS*D80 - Code Editor
- 305 DBIUSERS*D81 - Files Unavailable to Code Editor
- 306 DBIUSERS*D85 - Create New Subroutine & Insert Basic Code Segment
- 307 DBIUSERS*D90 - Recent Items List
- 308 DBIUSERS*DEVELOPER - Select Developers
- 309 DBIUSERS*RUN.R10 - User Selection
- 310 DBIUSERS*RUN.R11 - Select DBIUSERS file
- 311 DBIUSERS*RUN.R12 - Select DBIUSERS file
- 312 DBIUSERS*S1 - User Selection
- 313 DBIUSERS*S1.GROUP - User Selection
- 314 DBIUSERS*S1.MV - User Selection
- 315 DBIUSERS*S2 - User Selection
- 316 DBIUSERS*SEL1 - Select DBIUSERS file
- 317 DBIUSERS*SEL3 - SELECT SINGLE USER CODE

Run Close

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Code Editor

Click the *Editor* Button on the top menu of the Development Tools form. The *Code Editor* form provides access to a range of functions designed to make applications development quicker and easier.

- **Code Editor** - DesignBAIS retains a list of the last 50 records accessed using the Code Editor. Simply click the *Edit* column in the row displaying the required item to access recently edited items.
- **Find String** – locate any string in any file
- **Compare** – compares items in the same or different files and highlights differences
- **Form Compare** – a tool to highlight differences between two similar forms
- **DBDS Log** – retains and displays a trail of all DBDS output
- **View Como** – displays the significant content of your como (on databases that support como)
- **View Backup** – retains a copy of specified file records with the ability to compare to the current version
- **Add Button** – quickly add the *Display Common* and *Form Help* buttons to any form

- **Subroutine** – create a new subroutine and add skeleton basic code segments to basic subroutines
- **Check Common** – check if a variable name is defined as a DesignBAIS Common variable
- **View Record** – useful to view records with associated multivalues
- **Restart / Restart All** – recycle the website when required to pick up new object code
- **Command Line** – useful to run simple TCL commands when a telnet session is unavailable

Editor Manuals Account Selection Run a Form Logout Favorites v7 Test Menu

Code Editor Files Unavailable to Editor

User: Code Editor Refresh Rows per Page: Clear

File Name: --- Select File Name --- Find String

Item Name: -No Items- Compare

Suppress Item Name Dropdown

Cnt	File Name	Edit	Item Name	Remove
1	DBLIB		DB.I.RG	
2	BGLIB		BAWEB	
3	DBINET		DBI.I.DBIBACKUP	
4	DBLIB		RG.I.ADEMO	
5	DBINET		DBI.G.PMSCAN	
6	BGLIB		DBI.I.DBIFORMS	
7	DBINET		DBI.G.DESMENUNET	
8	BGLIB		T5	
9	BGLIB		DB.I.RG	
10	DBINET		DBI.G.AJXCMD	
11	DBLIB		DB.I.RGRD	
12	DBLIB		DBI.I.RD	
13	DBINET		DBI.I.UPGRADE	
14	DBINET		DBI.I.DBIGLOBAL	
15	BGLIB		DBI.I.DBIGLOBAL	
16	DBINET		DBI.I.PMCODE	
17	DBI		E.DBIMAIL	
18	DBINET		DBI.I.PMSTATUS	
19	DBLIB		DBI.I.RV	
20	DBINET		DBI.I.PMSTEP	
21	DBINET		DBI.G.DBSPECIFICNET	
22	DBINET		DBI.G.DBMAIL	
23	BGLIB		COPY.ATTACHMENTS	
24	DBLIB.DEV		DB.G.UNIVERSE	
25	DBLIB.DEV		DB.G.DBCODE	
26	DBLIB.DEV		DB.G.DOCUMENTS	
27	DBINET		DBI.I.DBISTATS	

Total Rows 50 Page / 2

Form Compare

DBDS Log

View Como

View Backup

Add Button

Add Std Code

Check Common

View Record

Restart

Restart All

Command Line

Check for Common Variables Close

Variable Name: Check

Result

REC is similar to Common variable: DBRECORD
 REC is similar to Common variable: DB.REFRESH.REC
 REC is similar to Common variable: DBCOPY.RECORD
 REC is similar to Common variable: DBIUSERS.REC
 REC is similar to Common variable: DBLASTDIRECTION
 REC is similar to Common variable: DBORIGINAL.OTHER.RECORD
 REC is similar to Common variable: DBORIGINAL.RECORD
 REC is similar to Common variable: DBOTHER.RECORD
 REC is similar to Common variable: DBOTHER.RECORD.SAVE
 REC is similar to Common variable: DBOTHER.RECORD.STATUS
 REC is similar to Common variable: DBREAD.RECORD.LIST
 REC is similar to Common variable: DBRECCOUNTER
 REC is similar to Common variable: DBRECORD.SAVE
 REC is similar to Common variable: DBRECORD.STATUS
 REC is similar to Common variable: DBREPORTLASTRECORD
 REC is similar to Common variable: DBSCREENRECLEVEL
 REC is similar to Common variable: ORIG.SCREENREC
 REC is similar to Common variable: READREC
 REC is similar to Common variable: REFRESH.REC
 REC is similar to Common variable: SCREENREC
 REC is similar to Common variable: SCREENRECCOMBO
 REC is similar to Common variable: SESSION.REC

DesignBais Common Variables

Cnt	Common Variable Name
1	DBKEY
2	DBRECORD
3	DBWORK
4	ALTERNATE.PARMS
5	BAACTION
6	CLEANUP.FINAL.DBSESSIONS
7	CONVSTR.IN(7)
8	CONVSTR.IN1(7)
9	CONVSTR.OUT(7)
10	CONVSTR.OUT1(7)
11	DB.AFTER.LIST(150)
12	DB.AFTER.PARAMETER.LIST(150)
13	DB.ALTERNATE.LIST(150)
14	DB.ASSOC.FIELDS(150)
15	DB.ASSOC.GROUP(150)
16	DB.BEFORE.LIST(150)
17	DB.BEFORE.PARAMETER.LIST(150)
18	DB.DECIMALS(150)
19	DB.DEFAULT.VALUE(150)
20	DB.OUTPUT.CONVERSION(150)
21	DB.REFRESH.LIST(150)
22	DB.REFRESH.MV(150)
23	DB.REFRESH.MVON(150)
24	DB.REFRESH.REC(150)
25	DB.REFRESH.SV(150)
26	DB.REFRESH.SVON(150)
27	DB.REFRESH.WORK.LIST(150)

Access to Code Editor from Forms Designer

Process slots in Forms Designer have a hyperlink tag to allow direct access to the Code Editor.

The screenshot shows the 'Input Field Definition' dialog box. The 'Process After' tag is highlighted in yellow. The dialog includes fields for File Name (DBUSERS), Field Name (DBII.EVENT.INPUT.WK), Field Text (Basic Code Process Event), Variable to Use (DBWDRK), Section (Event), Column (540), Row (40), Column Span (136), Row span (18), Field Type (ALPHA), Attribute (51), Multivalued (N), Field length (20), Alt Length, Input has a maximum length, Lookup File (V:DBII.B.EVENT.SEL.WK), Justification ([Default from Field Type]), Display Class (Input), Process Before, Process After (DBII.BASIC), Parameter, Mandatory Field, Change Event Will Fire (On Change - Tab Out [Default]), Field Disabled, Password Format, Z-Index Order, Field Hit Blocker Mode (-- Inherit Setting --), and Custom Attributes. At the bottom, there are several 'Process' tags: 'Process Before Read', 'Process After Read', and 'Process After Read'. The 'Process After Read' tag is highlighted in yellow.

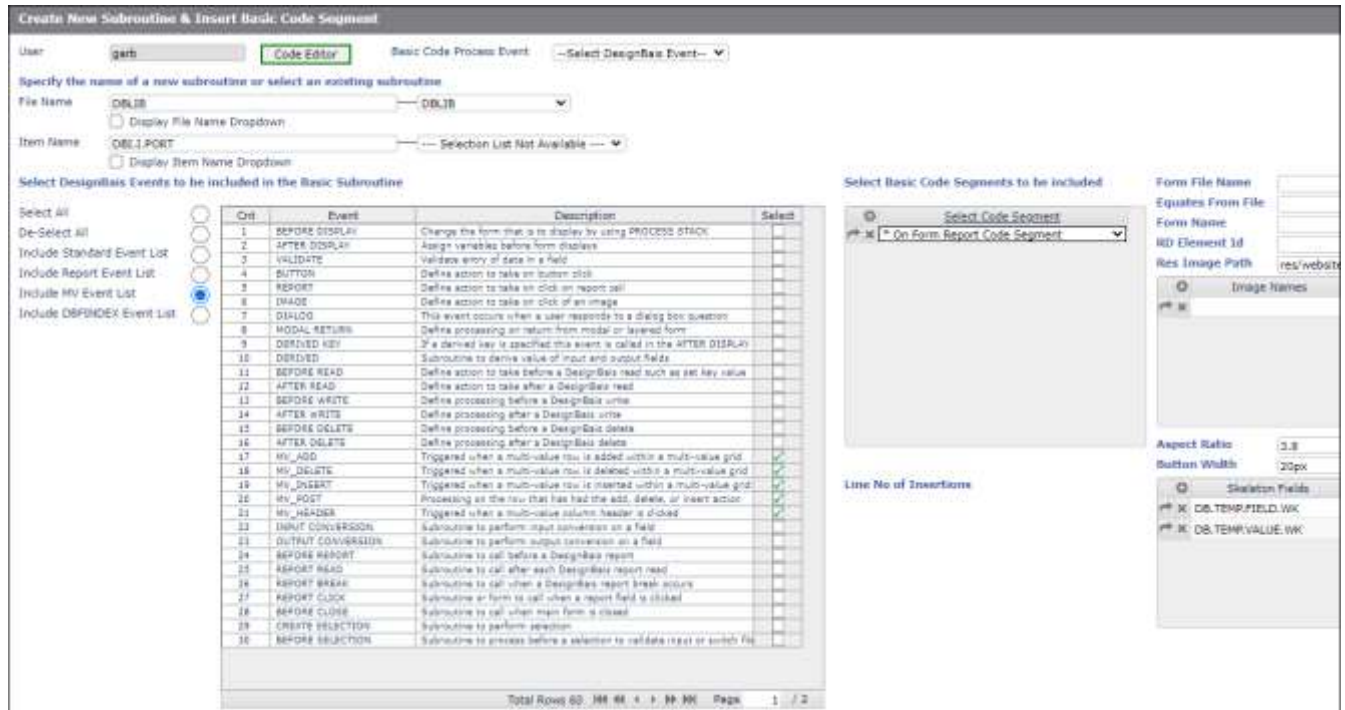
Click the Process After tag, see above image, to access the displayed basic subroutine in code editor. If the routine is locked then a message displays, as shown below, rather than attempting to open Code Editor.

192.168.199.194 says
DBII.BASIC on DBINET locked by garb at 14:51:26 on 18/12/2018

OK

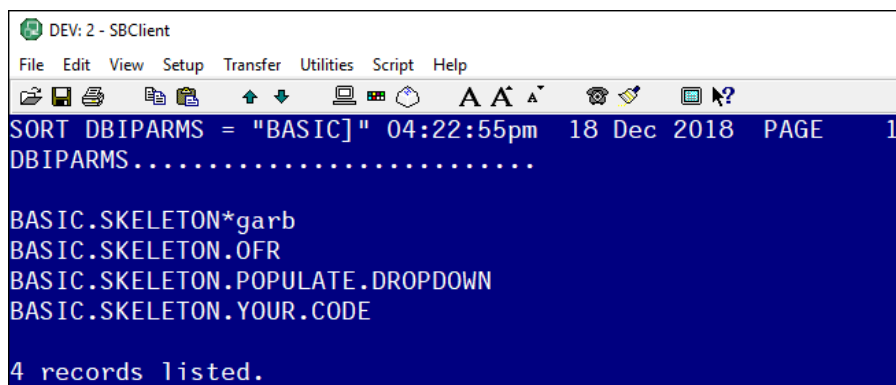
Create New Subroutine & Insert Basic Code Segment

Clicking a process link where the associated process field is null displays the following form. This allows you to create a new subroutine or to add basic code segments to an existing subroutine.



Select any number of DesignBAIS events from the list, and select from the Basic Code Segments list if required, then click the *Code Editor* Button. If the subroutine already exists then the selected code segments are added to it. If the routine is new then it is created from skeleton code and the selected code segments are added.

You can create your own basic code skeleton code. If you want a customised skeleton to be used when creating new subroutines then place your code into DBIPARMS with a key of "BASIC.SKELETON**weblogon*" where *weblogon* is your DesignBAIS user id. If you want other often-used basic code segments then add these to DBIPARMS with a key of "BASIC.SKELETON.*anyname*". Make line 1 of these segments a meaningful comment line as this will display as the description in the dropdown list.



The Create New Subroutine & Insert Basic Code Segment form can also be launched from the Code Editor form. Enter (or select) the File and Item names then click the *Add Std Code* button.

Code Editor Files Unavailable to Editor

User: Rows per Page:

File Name:

Item Name:

Suppress Item Name Dropdown

Cnt	File Name	Edit	Item Name	Remove
1	DBLIB		DB.I.RG	
2	BGLIB		BAWEB	
3	DBINET		DBI.I.DBIBACKUP	
4	DBLIB		RG.I.ADEMO	
5	DBINET		DBI.G.PMSCAN	
6	BGLIB		DBI.I.DBIFORMS	
7	DBINET		DBI.G.DESMENUSET	
8	BGLIB		T5	
9	BGLIB		DB.I.RG	
10	DBINET		DBI.G.AJXCMD	
11	DBLIB		DB.I.RGRD	

Create New Subroutine & Insert Basic Code Segment

User: Basic Code Process Event:

Specify the name of a new subroutine or select an existing subroutine

File Name:

Item Name: Suppress Item Name Dropdown

Select DesignBais Events to be included in the Basic Subroutine:

Select All	De-Select All	Include Standard Event List	Include Report Event List	Include My Event List	Include DBINDEX Event List	Cnt	Event	Description	Select
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	1	BEFORE DISPLAY	Change the form that is to display by using PROCESS_STACK	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	2	AFTER DISPLAY	Assign variables before form display	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	3	VALIDATE	Validate entry of data in a field	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	4	BUTTON	Define action to take on button click	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	5	REPORT	Define action to take on click on report cell	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6	IMAGE	Define action to take on click of an image	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	7	DIALOG	This event occurs when a user responds to a dialog box question	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8	MODAL RETURN	Define processing on return from modal or layered form	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	9	DERIVED KEY	If a derived key is specified this event is called in the AFTER DISPLAY	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	10	DERIVED	Subroutine to derive value of input and output fields	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	11	BEFORE READ	Define action to take before a DesignBais read such as set list value	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	12	AFTER READ	Define action to take after a DesignBais read	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	13	BEFORE WRITE	Define processing before a DesignBais write	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	14	AFTER WRITE	Define processing after a DesignBais write	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	15	BEFORE DELETE	Define processing before a DesignBais delete	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	16	AFTER DELETE	Define processing after a DesignBais delete	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	17	MV_ADD	Triggered when a multi-value row is added within a multi-value grid	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	18	MV_DELETE	Triggered when a multi-value row is deleted within a multi-value grid	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	19	MV_INSERT	Triggered when a multi-value row is inserted within a multi-value grid	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	20	MV_ROW	Processing on the row that has had the add, delete, or insert action	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	MV_REFRESH	Triggered when a multi-value column header is clicked	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	INPUT CONVERSION	Subroutine to perform input conversion on a field	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	OUTPUT CONVERSION	Subroutine to perform output conversion on a field	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	REPORT REPORT	Subroutine to call before a DesignBais report	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	REPORT READ	Subroutine to call after each DesignBais report read	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	REPORT BREAK	Subroutine to call when a DesignBais report break occurs	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	REPORT CLOSE	Subroutine or form to call when a report field is closed	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	BEFORE CLOSE	Subroutine to call when main form is closed	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	CREATE SELECTION	Subroutine to perform selection	<input type="checkbox"/>
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	BEFORE SELECTION	Subroutine to process before a selection to validate input or switch file	<input type="checkbox"/>

Total Rows 56: 1M 4L + > < << >> Page 1 / 2

Select Basic Code Segments to be included:

- * Code to support a Carousel in an RD form
- * Check for DesignBais exclusive lock
- * **DesignBais Report Code Segment**
- * Populate Dropdown List
- * Code to support a Responsive Design Lookup field
- * Code to support a Slide Panel in an RD form

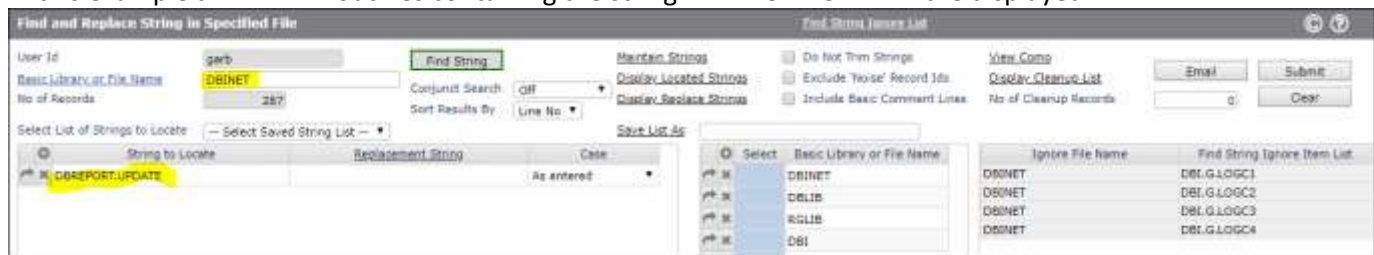
Line No of Insertions:

Find String

Find String provides the ability to search for multiple strings within (almost) any file. The results are displayed in an On Form report. Clicking on any line of the results takes you to the record containing the line, and the record is displayed in the appropriate maintenance form (such as DBIUSERS, DBISELECT, DBISTYLE, DBICLK) or in the code editor for records that do not relate to a specific DesignBAIS function.

If a *Replacement String* is entered then all occurrences of the target string can be replaced. See below.

In this example all DBINET routines containing the string *DBREPORT.UPDATE* are displayed.



Click the *Record Id* column to view the selected item in the Code Editor or in the DesignBAIS tool associated with the File Name being searched. If you are finding a string in DBIFORMS then clicking the *Record Id* will open Forms Designer.



Find String - Conjunct Search Option

This allows you to find a target string within the result list from the previous find.

Use this feature to find a subset of items which match several criteria. For example you may want to find all changes to subroutines made by either particular developers, for example LEGJ or GARB, in 2019.

In this case the file to search is DBINET. Enter the search strings and select *Case* to be “Upper and Lower” to pick up both upper case and lower case versions of the search strings. Also tick the *Include*

Basic Comment Lines since most occurrences of the strings you are searching for are going to be comment lines.

The search returns 1011 lines. This is too large a result to check manually so I use the *Conjunct Search* option.

Cnt	Record Id	String Found	Line	Pos	Line Content	Replacement String	
1	BAWBEBCNET	LE02	21	12	03	LE03 13/01/16 Version 7 remove sbgrm	
2	BAWBEBCNET	LE02	41	12	03	LE03 23/03/16 Borders added to images = DB06330NER.SELECTITEM (sub BUILD.HOGLITE)	
3	BAWBEBCNET	LE02	42	12	03	LE03 27/03/16 Most Web Service logic	
4	BAWBEBCNET	LE02	43	12	03	LE03 31/03/16 Call Web Service results BAAC330N*REHETERSTURN*	
5	BAWBEBCNET	LE02	47	12	03	LE03 31/03/16 Hit Statistics	
6	BAWBEBCNET	LE02	48	12	03	LE03 17/04/16 Update sessions "LOAD" record for Designer in BUILD.ACTION_ONLY	
7	BAWBEBCNET	LE02	50	12	03	LE03 22/04/16 Do not call DEL.G.BINET when DB06330NER.FORM.LOADED	
8	BAWBEBCNET	LE02	52	12	03	LE03 12/07/16 "sankey" process was not invoking the after field	
9	BAWBEBCNET	LE02	55	12	03	LE03 15/07/16 Do not set DBMVCOUNT for menu item clicks	
10	BAWBEBCNET	LE02	57	12	03	LE03 15/07/16 CALL DBI.LSTARTPRINTNET	
11	BAWBEBCNET	LE02	58	12	03	LE03 28/07/16 AFTERUNLOAD now only does DBREDESIGNER files if DBLEVEL=1 => we are returning	
12	BAWBEBCNET	LE02	60	12	03	LE03 28/07/16 LICENSE.TXT new LICENSE.NET for consistency with V6.	
13	BAWBEBCNET	LE02	62	12	03	LE03 18/08/16 Tidy up loggedOut.htm logic	
14	BAWBEBCNET	LE02	63	12	03	LE03 24/08/16 COOKIE.REC=160 new table accounts HV by SESSION.ID in 	
15	BAWBEBCNET	LE02	64	12	03	LE03 29/08/16 DESIGNBAIS5SYNC set when DBALTUSER = " in BUILD.VMLHEADER to trigger newSession in DEL.G.FOOTERNET	
16	BAWBEBCNET	LE02	66	33	03	LE03 added "IF DBGLOBAL THEN" around read.	
17	BAWBEBCNET	LE02	68	12	07	LE03 02/09/16 Back out resize fixes	
18	BAWBEBCNET	LE02	69	12	03	LE03 03/09/16 DBDATEFORMAT, DBTIMEFORMAT, DBSOURCEID & DBW3CQSTRING set in DEL.G.SET.VMLNET	
19	BAWBEBCNET	LE02	70	12	03	LE03 07/09/16 Remove DISPLAYERRD.DIALOG, BUILD.LOGIN.DETAIL & BUILD.PASSWORD.CHANGE alerts	
20	BAWBEBCNET	LE02	71	12	03	LE03 24/09/16 Reuse DBENQUIN.WOOD in afterunload	
21	BAWBEBCNET	LE02	72	12	03	LE03 24/09/16 BUILD.RETURN.DETAIL, Reset Disabled fields after closing Modal	
22	BAWBEBCNET	LE02	73	12	03	LE03 29/09/16 Update CheckSee clicked when to process after	
23	BAWBEBCNET	LE02	74	12	03	LE03 29/09/16 New & improved resize - respect David's changes	
24	BAWBEBCNET	LE02	75	12	03	LE03 13/10/16 mLoginForm adapted to send error message number	
25	BAWBEBCNET	LE02	76	12	03	LE03 17/10/16 CHECK.USER.IP now covers for a range e.g. 123.456.789.1-255	
26	BAWBEBCNET	LE02	78	12	03	LE03 15/10/16 =click of ftdesignbaissync should not hide the list. For Forms designer Fast.	
27	BAWBEBCNET	LE02	79	12	03	LE03 24/10/16 Clear PROCESS_STACK in ACTIVE_PROCESS if IERR.TEXT = ""	
28	BAWBEBCNET	LE02	80	12	03	LE03 24/10/16 DBDATEFORMAT may also default from DBGLOBAL "DATE"	
29	BAWBEBCNET	LE02	81	12	03	LE03 15/11/16 AUTO.SELECT.ONE control added for selection processes.	
30	BAWBEBCNET	LE02	82	12	03	LE03 28/11/16 BASEID '13071113RETF' moved to DBSTATS	
31	BAWBEBCNET	BARB	93	12	03	LE03 18/01/17 Move hit stats from DBINRMS to DBSTATS	
32	BAWBEBCNET	LE02	94	12	03	LE03 30/01/17 Clear DBLAYER.FORMS<1>.DBLAYER.VALUE = "" not DBLAYER.FORMS=DBLAYER.VALUE = "" which corrupts PDF	
33	BAWBEBCNET	LE02	95	12	03	LE03 07/02/17 B.CANCEL processing for DBPARAMS_HOL. Invoke when closing the form as usual.	
34	BAWBEBCNET	LE02	96	12	03	LE03 11/02/17 Set DBENQUIN.V.MODE to the new form after PROCESS_CLOSE_MODAL has been set.	
35	BAWBEBCNET	LE02	97	12	03	LE03 17/03/17 READ.PROCESS when in a selection return should not duplicate reads	
36	BAWBEBCNET	LE02	98	12	03	LE03 20/03/17 Date Format may be set by User as well. Move logic to set DBDATEFORMAT until after user has been read.	
37	BAWBEBCNET	LE02	99	12	03	LE03 28/03/17 Remove previous session from user records	
38	BAWBEBCNET	LE02	100	12	03	LE03 12/03/17 Check Menu Option has not been intercepted by Hactor	
39	BAWBEBCNET	LE02	101	12	03	LE03 23/03/17 DesignBais Reference Manual to be called by http://download/manual/DesignBais Reference Manual_e_n_n.pdf	
40	BAWBEBCNET	LE02	102	12	03	LE03 26/03/17 Initialize DBMVEVENT = SETUP.DBP455.DBVALUE	

Select *Line Search* in the *Conjunct Search* dropdown. Enter the strings to search for in each line of the result set from the previous search.

Cnt	Record Id	String Found	Line	Pos	Line Content	Replacement String	
1	BAWBEBCNET	LE02	21	12	03	LE03 13/01/16 Version 7 remove sbgrm	
2	BAWBEBCNET	LE02	41	12	03	LE03 23/03/16 Borders added to images = DB06330NER.SELECTITEM (sub BUILD.HOGLITE)	
3	BAWBEBCNET	LE02	42	12	03	LE03 27/03/16 Most Web Service logic	
4	BAWBEBCNET	LE02	43	12	03	LE03 31/03/16 Call Web Service results BAAC330N*REHETERSTURN*	
5	BAWBEBCNET	LE02	47	12	03	LE03 31/03/16 Hit Statistics	
6	BAWBEBCNET	LE02	48	12	03	LE03 17/04/16 Update sessions "LOAD" record for Designer in BUILD.ACTION_ONLY	
7	BAWBEBCNET	LE02	50	12	03	LE03 22/04/16 Do not call DEL.G.BINET when DB06330NER.FORM.LOADED	
8	BAWBEBCNET	LE02	52	12	03	LE03 12/07/16 "sankey" process was not invoking the after field	
9	BAWBEBCNET	LE02	55	12	03	LE03 15/07/16 Do not set DBMVCOUNT for menu item clicks	
10	BAWBEBCNET	LE02	57	12	03	LE03 15/07/16 CALL DBI.LSTARTPRINTNET	
11	BAWBEBCNET	LE02	58	12	03	LE03 28/07/16 AFTERUNLOAD now only does DBREDESIGNER files if DBLEVEL=1 => we are returning	
12	BAWBEBCNET	LE02	60	12	03	LE03 28/07/16 LICENSE.TXT new LICENSE.NET for consistency with V6.	
13	BAWBEBCNET	LE02	62	12	03	LE03 18/08/16 Tidy up loggedOut.htm logic	
14	BAWBEBCNET	LE02	63	12	03	LE03 24/08/16 COOKIE.REC=160 new table accounts HV by SESSION.ID in 	
15	BAWBEBCNET	LE02	64	12	03	LE03 29/08/16 DESIGNBAIS5SYNC set when DBALTUSER = " in BUILD.VMLHEADER to trigger newSession in DEL.G.FOOTERNET	
16	BAWBEBCNET	LE02	66	33	03	LE03 added "IF DBGLOBAL THEN" around read.	
17	BAWBEBCNET	LE02	68	12	07	LE03 02/09/16 Back out resize fixes	
18	BAWBEBCNET	LE02	69	12	03	LE03 03/09/16 DBDATEFORMAT, DBTIMEFORMAT, DBSOURCEID & DBW3CQSTRING set in DEL.G.SET.VMLNET	
19	BAWBEBCNET	LE02	70	12	03	LE03 07/09/16 Remove DISPLAYERRD.DIALOG, BUILD.LOGIN.DETAIL & BUILD.PASSWORD.CHANGE alerts	
20	BAWBEBCNET	LE02	71	12	03	LE03 24/09/16 Reuse DBENQUIN.WOOD in afterunload	
21	BAWBEBCNET	LE02	72	12	03	LE03 24/09/16 BUILD.RETURN.DETAIL, Reset Disabled fields after closing Modal	
22	BAWBEBCNET	LE02	73	12	03	LE03 29/09/16 Update CheckSee clicked when to process after	
23	BAWBEBCNET	LE02	74	12	03	LE03 29/09/16 New & improved resize - respect David's changes	
24	BAWBEBCNET	LE02	75	12	03	LE03 13/10/16 mLoginForm adapted to send error message number	
25	BAWBEBCNET	LE02	76	12	03	LE03 17/10/16 CHECK.USER.IP now covers for a range e.g. 123.456.789.1-255	
26	BAWBEBCNET	LE02	78	12	03	LE03 15/10/16 =click of ftdesignbaissync should not hide the list. For Forms designer Fast.	
27	BAWBEBCNET	LE02	79	12	03	LE03 24/10/16 Clear PROCESS_STACK in ACTIVE_PROCESS if IERR.TEXT = ""	
28	BAWBEBCNET	LE02	80	12	03	LE03 24/10/16 DBDATEFORMAT may also default from DBGLOBAL "DATE"	
29	BAWBEBCNET	LE02	81	12	03	LE03 15/11/16 AUTO.SELECT.ONE control added for selection processes.	
30	BAWBEBCNET	LE02	82	12	03	LE03 28/11/16 BASEID '13071113RETF' moved to DBSTATS	
31	BAWBEBCNET	BARB	93	12	03	LE03 18/01/17 Move hit stats from DBINRMS to DBSTATS	
32	BAWBEBCNET	LE02	94	12	03	LE03 30/01/17 Clear DBLAYER.FORMS<1>.DBLAYER.VALUE = "" not DBLAYER.FORMS=DBLAYER.VALUE = "" which corrupts PDF	
33	BAWBEBCNET	LE02	95	12	03	LE03 07/02/17 B.CANCEL processing for DBPARAMS_HOL. Invoke when closing the form as usual.	
34	BAWBEBCNET	LE02	96	12	03	LE03 11/02/17 Set DBENQUIN.V.MODE to the new form after PROCESS_CLOSE_MODAL has been set.	
35	BAWBEBCNET	LE02	97	12	03	LE03 17/03/17 READ.PROCESS when in a selection return should not duplicate reads	
36	BAWBEBCNET	LE02	98	12	03	LE03 20/03/17 Date Format may be set by User as well. Move logic to set DBDATEFORMAT until after user has been read.	
37	BAWBEBCNET	LE02	99	12	03	LE03 28/03/17 Remove previous session from user records	
38	BAWBEBCNET	LE02	100	12	03	LE03 12/03/17 Check Menu Option has not been intercepted by Hactor	
39	BAWBEBCNET	LE02	101	12	03	LE03 23/03/17 DesignBais Reference Manual to be called by http://download/manual/DesignBais Reference Manual_e_n_n.pdf	
40	BAWBEBCNET	LE02	102	12	03	LE03 26/03/17 Initialize DBMVEVENT = SETUP.DBP455.DBVALUE	

Click Find String.

Find and Replace String in Specified File Find String Ignore List

User Id: Maintain Strings Do Not Trim Strings

Basic Library or File Name: Conjunct Search: Display Located Strings Exclude 'Noise' Record Ids

No of Records: Sort Results By: Display Replace Strings Include Basic Comment Lines

Record lines containing target strings

Cnt	Record Id	String Found	Line	Pos	Line Content
1	BAWEBEXECNET	/19	174	28 *	LEGJ 08/01/19 No ENTER event with no DBIF.Entering.CONTROL
2	DBI.G.FOOTERMNET	/19	113	20 *	legj 08/01/19 Use correct XMLLABEL if DBBUTTONCLICK is a MV Header DBIF.Entering.CONTROL
3	DBI.I.DBIPARMS	/19	59	16 *	GARB 07/01/19 Fix purging of cabinet reports

The result set is the 3 routines that have been modified in 2019.

Find String – Replacement String Option

Find and Replace String in Specified File

User Id: Maintain Strings

Basic Library or File Name: Conjunct Search: Display Located Strings

No of Records: Sort Results By: Display Replace Strings

Select List of Strings to Locate: Save List As

String to Locate	Replacement String	Case
<input type="text" value="DBI.COMMON"/>	<input type="text" value="MY.COMMON"/>	<input type="text" value="As entered"/>

You can use the *Replacement String* option to replace a target string. In this example all occurrences of *DBI.COMMON* are to be replaced with *MY.COMMON*. Individual rows can be Ignored by clicking the *Ignore* column.

Record lines containing target strings

Cnt	Record Id	String Found	Line	Pos	Line Content	Replacement String	Ignore
1	BAWE	DBI.COMMON	212	20	INCLUDE DBI DBI.COMMON	MY.COMMON	
2	DBI.D.DBIBACKUP	DBI.COMMON	21	17	INCLUDE DBI DBI.COMMON	MY.COMMON	Ignore
3	DBI.D.DBIPRECTIONET	DBI.COMMON	61	14	INCLUDE DBI DBI.COMMON	MY.COMMON	Ignore
4	DBI.D.DBIBSERR	DBI.COMMON	35	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
5	DBI.G.HVWSCHNET	DBI.COMMON	45	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
6	DBI.G.RULE	DBI.COMMON	8	20	INCLUDE DBI DBI.COMMON	MY.COMMON	
7	DBI.G.VHNET	DBI.COMMON	63	20	INCLUDE DBI DBI.COMMON	MY.COMMON	
8	DBI.S.DBISLDBAL	DBI.COMMON	28	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
9	DBI.LUPGRADE	DBI.COMMON	18	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
10	DBI.PACOUNT.SETUPNET	DBI.COMMON	11	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
11	DBI.PACOUNT.RETURNET	DBI.COMMON	938	26	IF PRGS-IDX = "DBI.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	MY.COMMON	
12	DBIP	DBI.COMMON	57	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
13	DBI.S.OCAREA	DBI.COMMON	23	17	INCLUDE DBI DBI.COMMON	MY.COMMON	
14	RG.SETUPNET	DBI.COMMON	12	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
15	RG.SETUPNET	DBI.COMMON	938	26	IF PRGS-IDX = "DBI.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	MY.COMMON	
16	RGPARMS	DBI.COMMON	61	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
17	RGSPEC	DBI.COMMON	60	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
18	RGTT	DBI.COMMON	1	14	INCLUDE DBI DBI.COMMON	MY.COMMON	
19	RHVE	DBI.COMMON	190	20	INCLUDE DBI DBI.COMMON	MY.COMMON	
20	SETUPNETBACKUP	DBI.COMMON	21	14	INCLUDE DBI DBI.COMMON	MY.COMMON	Ignore
21	SETUPNETBACKUP	DBI.COMMON	938	26	IF PRGS-IDX = "DBI.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	MY.COMMON	Ignore
22	WEBEXEC	DBI.COMMON	126	20	INCLUDE DBI DBI.COMMON	MY.COMMON	

Click *Display Replace Strings* to view the target lines with the replacement string in place.

Record lines showing target strings replaced

Cnt	Record Id	Ignore	Replacement String	Line	Pos	Line Content	Compile
1	BAWE		MY.COMMON	212	20	INCLUDE DBI MY.COMMON	
2	DBI.D.DBIBACKUP	Ignore	MY.COMMON	21	17	INCLUDE DBI MY.COMMON	
3	DBI.D.DBIPRECTIONET	Ignore	MY.COMMON	61	14	INCLUDE DBI MY.COMMON	
4	DBI.D.DBIBSERR		MY.COMMON	35	14	INCLUDE DBI MY.COMMON	
5	DBI.G.HVWSCHNET		MY.COMMON	45	14	INCLUDE DBI MY.COMMON	
6	DBI.G.RULE		MY.COMMON	8	20	INCLUDE DBI MY.COMMON	
7	DBI.G.VHNET		MY.COMMON	63	20	INCLUDE DBI MY.COMMON	
8	DBI.S.DBISLDBAL		MY.COMMON	28	14	INCLUDE DBI MY.COMMON	
9	DBI.LUPGRADE		MY.COMMON	18	14	INCLUDE DBI MY.COMMON	
10	DBI.PACOUNT.SETUPNET		MY.COMMON	11	14	INCLUDE DBI MY.COMMON	
11	DBI.PACOUNT.RETURNET		MY.COMMON	938	26	IF PRGS-IDX = "MY.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	
12	DBIP		MY.COMMON	57	14	INCLUDE DBI MY.COMMON	
13	DBI.S.OCAREA		MY.COMMON	23	17	INCLUDE DBI MY.COMMON	
14	RG.SETUPNET		MY.COMMON	12	14	INCLUDE DBI MY.COMMON	
15	RG.SETUPNET		MY.COMMON	938	26	IF PRGS-IDX = "MY.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	
16	RGPARMS		MY.COMMON	61	14	INCLUDE DBI MY.COMMON	
17	RGSPEC		MY.COMMON	60	14	INCLUDE DBI MY.COMMON	
18	RGTT		MY.COMMON	1	14	INCLUDE DBI MY.COMMON	
19	RHVE		MY.COMMON	190	20	INCLUDE DBI MY.COMMON	
20	SETUPNETBACKUP	Ignore	MY.COMMON	21	14	INCLUDE DBI MY.COMMON	
21	SETUPNETBACKUP	Ignore	MY.COMMON	938	26	IF PRGS-IDX = "MY.COMMON" OR PRGS-IDX = "DBI.SUB.COMMON" OR PRGS-IDX = "DBI.PROG.COMMON" THEN CONTINUE	
22	WEBEXEC		MY.COMMON	126	20	INCLUDE DBI MY.COMMON	

Click the *Replace* button to confirm the replacement. All records are backed up prior to being updated. You can click the *Use DBIBACKUP* checkbox in order to save the pre-change image in the DBIBACKUP file. This makes the backups immediately available in the DesignBAIS *Backup* function, which provides a roll-back feature.

If you are dealing with a program library then click *Compile* to compile all changed routines. Compilation results are displayed in the final column. If a routine fails compilation it can be edited by clicking the *Record Id* column to open the code editor. After correcting the any errors the *Compile* button can be used again to do the compiles.

9	DBI.LUPGRADE	Ignore	MY.COMMON	38	14	INCLUDE DBI MY.COMMON	
10	DBI.RACCOUNT.SETUPNET	Ignore	MY.COMMON	32	14	INCLUDE DBI MY.COMMON	
11	DBI.RACCOUNT.SETUPNET	Ignore	MY.COMMON	938	35	IF PRGS<ID> = 'MY.COMMON' OR PRGS<ID> = 'DBI.SUB.COMMON' OR PRGS<ID> = 'DBI.FPG.COMMON' THEN CONTINUE	
12	DBIP	Ignore	MY.COMMON	37	14	INCLUDE DBI MY.COMMON	
13	GC.I.GCAREA	Ignore	MY.COMMON	23	17	INCLUDE DBI MY.COMMON	
14	RG.SETUPNET	Ignore	MY.COMMON	32	14	INCLUDE DBI MY.COMMON	Compiled
15	RG.SETUPNET	Ignore	MY.COMMON	538	25	IF PRGS<ID> = 'MY.COMMON' OR PRGS<ID> = 'DBI.SUB.COMMON' OR PRGS<ID> = 'DBI.FPG.COMMON' THEN CONTINUE	Compiled
16	RGPARMS	Ignore	MY.COMMON	61	14	INCLUDE DBI MY.COMMON	Compiled
17	RGSPEC	Ignore	MY.COMMON	40	14	INCLUDE DBI MY.COMMON	Compiled
18	RGTT	Ignore	MY.COMMON	1	14	INCLUDE DBI MY.COMMON	Compiled
19	RGWE	Ignore	MY.COMMON	190	20	INCLUDE DBI MY.COMMON	Compiled
20	SETUPNETBACKUP	Ignore	MY.COMMON	31	14	INCLUDE DBI MY.COMMON	
21	SETUPNETBACKUP	Ignore	MY.COMMON	929	36	IF PRGS<ID> = 'MY.COMMON' OR PRGS<ID> = 'DBI.SUB.COMMON' OR PRGS<ID> = 'DBI.FPG.COMMON' THEN CONTINUE	
22	WEBSEC	Ignore	MY.COMMON	156	20	INCLUDE DBI MY.COMMON	

Use the *View Como* option to view the results of the compilations.

View Como ?

My Como Como Line Count Como.1 Line Count Refresh Clear Como My Locks

Cnt	Como Line #	Como Line Content
32	32	WARNING: Variable '\GCPE.CANC.DATE\' never assigned a value.
33	33	WARNING: Variable '\GCPE.BEST.CONTACT.NO\' never assigned a value.
34	34	WARNING: Variable '\GCPE.RETURN.FORM.RECEIVED\' never assigned a value.
35	35	WARNING: Variable '\GCPE.LICENCE.NUMBER\' never assigned a value.
36	36	WARNING: Variable '\LIC.FIRST.NAME\' never assigned a value.
37	37	WARNING: Variable '\LIC.OTHER.NAMES\' never assigned a value.
38	38	WARNING: Variable '\LIC.SURNAME\' never assigned a value.
39	39	WARNING: Variable '\LIC.MOBILE\' never assigned a value.
40	40	WARNING: Variable '\GCPE.ISSUE.DATE\' never assigned a value.
41	41	WARNING: Variable '\GCPE.VEHICLE.MAKE\' never assigned a value.
42	42	WARNING: Variable '\GCPE.VEHICLE.MODEL\' never assigned a value.
43	43	WARNING: Variable '\GCPE.VEHICLE.REGISTRATION\' never assigned a value.
44	44	WARNING: Variable '\GCPE.VEHICLE.COLOUR\' never assigned a value.
45	45	WARNING: Variable '\LIC.GENERAL.OR.RESTRICTED\' never assigned a value.
46	46	WARNING: Variable '\GCPE.DOG.BREED\' never assigned a value.
47	47	WARNING: Variable '\GCPE.GROUP.ID\' never assigned a value.
48	48	WARNING: Variable '\GCPE.AREA.IDENTIFICATION\' never assigned a value.
49	49	WARNING: Variable '\GCA.FULL.NAME\' never assigned a value.
50	50	WARNING: Variable '\AMP.MAPTYPE.A\' never assigned a value.
51	52	9 Errors detected, No Object Code Produced.
52	54	Compilation Complete.
53	55	"GC.I.GCAREA" cataloged.
54	56	Compiling: Source = '\RGLIB\RG.SETUPNET\', Object = '\RGLIB.O\RG.SETUPNET\'
55	57	*****
56	59	Compilation Complete.
57	60	"RG.SETUPNET" cataloged.
58	61	Compiling: Source = '\RGLIB\RGPARMS\', Object = '\RGLIB.O\RGPARMS\'
59	62	*****
60	64	Compilation Complete.
61	65	"RGPARMS" cataloged.
62	66	Compiling: Source = '\RGLIB\RGSPEC\', Object = '\RGLIB.O\RGSPEC\'
63	67	*****
64	69	Compilation Complete.
65	70	"RGSPEC" cataloged.
66	71	Compiling: Source = '\RGLIB\RGTT\', Object = '\RGLIB.O\RGTT\'
67	72	*****
68	74	Compilation Complete.
69	75	"RGTT" cataloged.
70	76	Compiling: Source = '\RGLIB\RGWE\', Object = '\RGLIB.O\RGWE\'
71	77	*****
72	79	Compilation Complete.
73	80	"RGWE" cataloged.
74	81	RGLIB - 1 record(s) failed to compile.
75	201	COMO garb established 08:30:31 26 JUL 2019

Find String - Clean Up a Basic Library or Form File

It is often the case that backup copies of programs or forms are saved in the production library.

The *Find String* function automatically creates a list of items that are likely to be backup copies, based on the structure of the record id. In addition you can create a list of suffix names, such as “weblogon name” and record ids that have any of these suffixes will be added to the cleanup list.

In the following example all DBLIB items with a suffix in the form of a date have been added to the cleanup list. Any items that are not to be cleaned up can be retained by clicking the *Keep* column.

The screenshot shows the 'Find and Replace String in Specified File' window. The 'Basic Library or File Name' is 'DBLIB' and 'No of Records' is 1067. The 'Find String' button is highlighted. The 'Suggested List of Records to Remove' table has the following columns: Cnt, Record Id, Line Cnt, and Keep. The 'Keep' column contains checkboxes. The 'Backup File for Removed Records' field is empty, and the 'Move Records' button is visible. The 'Select Cleanup Suffix List' dropdown is set to 'RV.SUFFIX.DBLIB'. Below this is a list of suffixes to be cleaned up.

Cnt	Record Id	Line Cnt	Keep
1	DB.D.BKXTRNG.CHU.020713	2146	<input type="checkbox"/>
2	DB.D.BKXTRNG.S.D.010513	1427	<input type="checkbox"/>
3	DB.D.BKXTRNG.S.D.140813	1429	<input type="checkbox"/>
4	DB.D.BKXTRNG.S.D.110413	1425	<input type="checkbox"/>
5	DB.D.BKXTRNG.S.D.040713	1790	<input type="checkbox"/>
6	DB.D.BKXTRNS.EXTRA.010713	738	<input type="checkbox"/>
7	DB.D.BKXTRNS.PRM.031109	2144	<input type="checkbox"/>
8	DB.D.BKXTRNS.SCALC.210113	1511	<input type="checkbox"/>
9	DB.D.SEP.INSURR.20171119	144	<input type="checkbox"/>
10	DB.D.SOD.010710	2270	<input type="checkbox"/>
11	DB.D.SOD.220613	2505	<input type="checkbox"/>
12	DB.D.PMA.STATUS.190213	179	<input type="checkbox"/>
13	DB.D.STATCHARGE.130113	1886	<input type="checkbox"/>
14	DB.D.WPDDCH.FAMOUS.170808	660	<input type="checkbox"/>
15	DB.D.WPDDCH.SA.060713	1130	<input type="checkbox"/>
16	DB.D.WPDDCH.SA.01060814	1120	<input type="checkbox"/>
17	DB.D.WPDDC.160308	3243	<input type="checkbox"/>
18	DB.L.ARMATER.131109	1144	<input type="checkbox"/>
19	DB.L.ARMATER.020113	4739	<input type="checkbox"/>
20	DB.L.ARMATER.SORTAL.LOGIN.130214	338	<input type="checkbox"/>
21	DB.L.ARMATER.140307	1159	<input type="checkbox"/>
22	DB.L.ARMATER.230318	1093	<input type="checkbox"/>
23	DB.L.ARMATER.010713	412	<input type="checkbox"/>
24	DB.L.BKBACKR.090913	705	<input type="checkbox"/>
25	DB.L.BKPOEL.140813	1030	<input type="checkbox"/>
26	DB.L.BKPARMS.010710	6740	<input type="checkbox"/>
27	DB.L.BKPARMS.101009	7829	<input type="checkbox"/>
28	DB.L.BKPARMS.20170830	10117	<input type="checkbox"/>
29	DB.L.BKPOLICY.100118	11429	<input type="checkbox"/>
30	DB.L.BKREPORTS.11.1.160314	11999	<input type="checkbox"/>
31	DB.L.BKREPORTS.11.1.201117	11778	<input type="checkbox"/>
32	DB.L.BKREPORTS.11.1.170608	10872	<input type="checkbox"/>
33	DB.L.BKREPORTS.11.1.270213	9602	<input type="checkbox"/>
34	DB.L.BKREPORTS.11.1.4886	11781	<input type="checkbox"/>
35	DB.L.BKTRANS.031113	17849	<input type="checkbox"/>
36	DB.L.BKTRANS.210113	16911	<input type="checkbox"/>
37	DB.L.BKTRANS.220113	14917	<input type="checkbox"/>
38	DB.L.BKTRANS.CHU.020713	8030	<input type="checkbox"/>
39	DB.L.BKTRANS.CHU.020613	7852	<input type="checkbox"/>
40	DB.L.BKTRANS.CHU.100813	8296	<input type="checkbox"/>

You can also enter and save a list of suffixes. Any record ids that end with a suffix from this list will be flagged for cleanup. The list shown at right is saved in DBIPARMS with an id of RV.SUFFIX.DBLIB.

You can then specify a *Backup File for Removed Records* and click the *Move Records* button. This will move all records in the cleanup list, where *Keep* is not flagged, from your production file to the backup file. If the backup file is set to *DBIBACKUP* then cleaned up records will be accessible via the *Backup* function.

The screenshot shows the 'Select Cleanup Suffix List' dropdown menu. The dropdown is set to 'RV.SUFFIX.DBLIB'. Below the dropdown is a list of suffixes to be cleaned up, including: AAM, AIS, aMB, BAK, CA, CF, DL, DIH, FL, FLAVIO, H, KH, HSB, HTO, Oaith, ORIS, PC, PV, SAVE, TERNP, and vlder1.

Compare

The DesignBAIS Compare function allows you to compare 2 items from a file or from 2 different files.

The screenshot displays the 'Compare Items' dialog box. It is configured to compare 'DBNET' (New File Name) against 'DBI.G-SECURITY.LIST' (New Item Name). The 'Compare Records' section shows a list of lines from the 'DBNET' file. Lines 13 and 14 are highlighted in yellow, indicating differences. The bottom section, 'File to Update', shows a list of lines from the 'DBI.G-SECURITY.LIST' file. Lines 21 and 22 are highlighted in yellow, indicating differences. The 'Action' field is set to 'M2'. The 'Update Defaults' checkbox is checked. The 'Continue' button is highlighted. The 'Item Line Count' is 434 and the 'Current Line Count' is 290.

Differences are highlighted.

The *Update Defaults* checkbox is a toggle to control the default action that takes place when the *Continue* button is clicked.

With *Update Defaults* off the *Continue* button can be used to progressively move through all the differences without updating the record displayed in the bottom of the form. The display of each record is halted as each difference is encountered.

With *Update Defaults* on the *Action* will be automatically set to achieve the merging of differences into the bottom record, the *Item to Update*. In the example above *Action* is set to "M2" which is the command to merge, into the bottom record, the 2 highlighted lines at the top of the top record.

Form Compare

Compares two forms. This function performs best when there are only slight differences between the forms. This tool is designed to quickly highlight those differences.

DesignBais Form Compare
?

Form 1 Details

Account Name or Path

Forms on File

Form Filename

Form Name

Form 2 Details

Account Name or Path

Forms on File

Form Filename

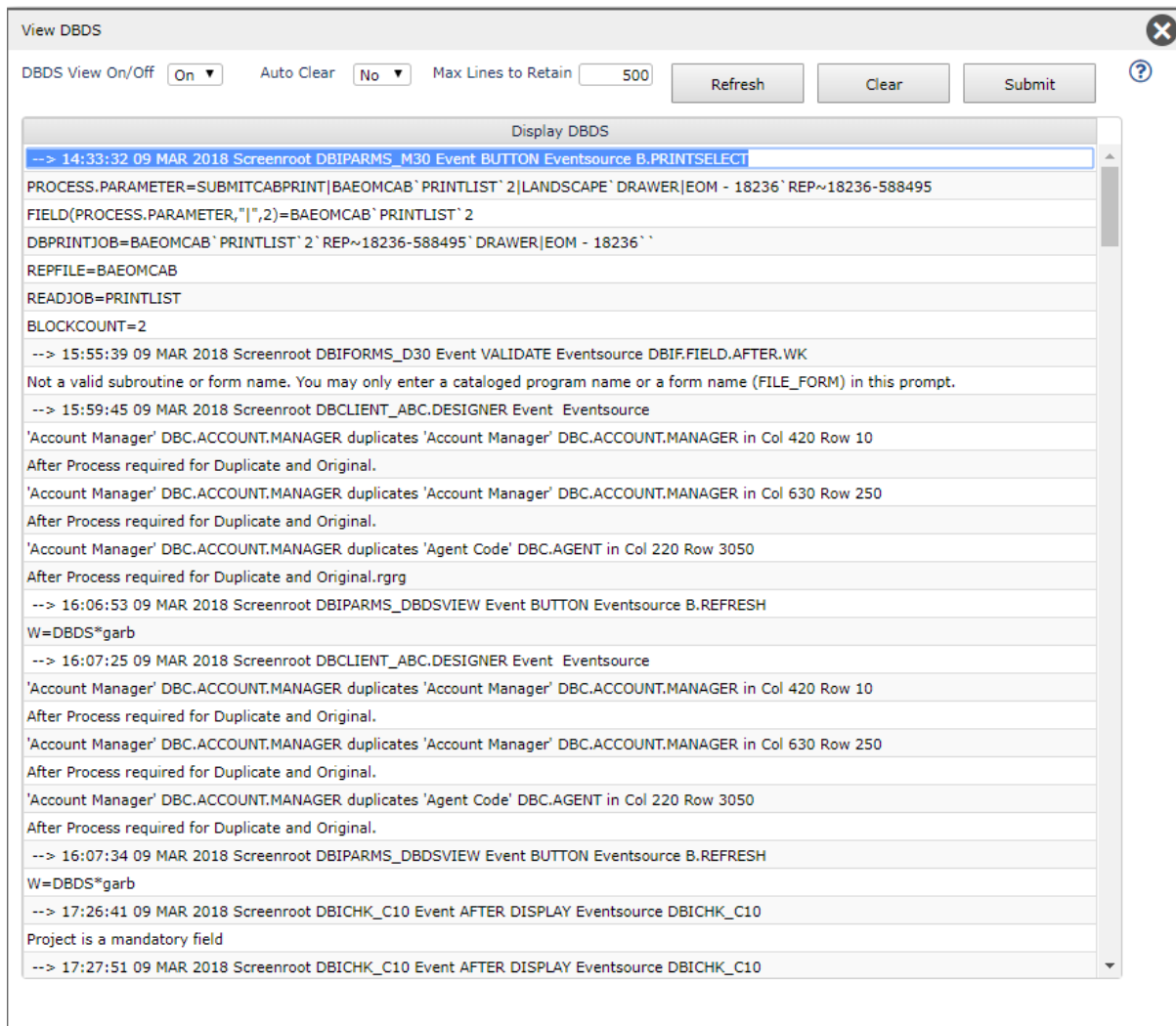
Form Name

Form Fields included in this Comparison

Cnt	Attribute	Field Name	Field Screen Label	Group Name	Ignore
1	1	DBIF.FORM.DESCRPTION	Form Description		
2	2	DBIF.FORM.WIDTH	Form Width (pixels)		
3	3	DBIF.FORM.DEPTH	Form Depth (pixels)		
4	4	DBIF.FORM.MODAL	Modal Form		
5	5	DBIF.PRESERVE.COMMON	Preserve Common		
6	6	DBIF.PROCESS.DURING.LOAD	Process To Perform During Form Load		
7	7	DBIF.PARAMETER.DURING.LOAD	Load Process Parameter		
8	8	DBIF.LAST.UPDATED.DATE	Last Updated Date		Ignore
9	9	DBIF.LAST.UPDATED.TIME	Last Updated Time		Ignore
10	10	DBIF.LAST.UPDATED.BY	Last Updated By		Ignore
11	11	DBIF.CURRENT.REL.LEVEL	Current Release Level		
12	11	DBIF.SCRIPT.INCLUDE	Script Include		
13	63	DBIF.MASTER.PROGRAM	Master Program		
14	63	DBIF.MODAL.FORM.RETURN	Modal Form Return Process		
15	65	DBIF.TOP.MENU	Top Menu		
16	66	DBIF.SIDE.MENU	Side Menu		
17	77	DBIF.DELETE.FROM.BUTTON	Delete From Button		
18	78	DBIF.DELETE.CONFIRMATION	Delete Confirmation		
19	80	DBIF.DELETE.OVERRIDE	Delete Override		
20	81	DBIF.NULL.AFTER.WRITE	Null After Write		
21	82	DBIF.NULL.AFTER.DELETE	Null After Delete		
22	84	DBIF.CLEAR.FROM.BUTTON	Clear From Button		
23	85	DBIF.ENQ.INPUT.FIELDS	Enquiry Only (Input) Fields		
24	86	DBIF.ENQ.READONLY.FIELDS	Read Only Fields		
25	87	DBIF.ENQ.DISABLE.REST	Enquiry Disable		
26	88	DBIF.FULL.DESCRPTION	Full Description		
27	111	DBIF.MINI.ATTR	Minit Attr		
28	113	DBIF.FORM.BACKCOLOR	Background Colour		
29	114	DBIF.TAB.INDEX	Input Fields Use Tab Index		
30	114	DBIF.TAB.INDEX.INCR	Tab Index Increment		
31	115	DBIF.STYLE.GROUP	Style Group		
32	133	DBIF.SELECT.ATTR.LIST	Selection Attribute List		
33	134	DBIF.FORM.INCLUDE.HEADER	Include Header Form		
34	134	DBIF.FORM.INCLUDE.FOOTER	Include Include Form		
35	139	DBIF.INCLUDE.DROP	Include Drop List for Searches		
36	143	DBIF.W3C	WC3 Compliant form		
37	144	DBIF.SUB.FORM	Sub Form		
38	145	DBIF.KEY.DERIVED	Default Key Value		
39	146	DBIF.FORM.READGROUP	Form Read Group		
40	147	DBIF.FORM.READVAR	Form Read Variable		
41	148	DBIF.FORM.FILEVAR	Form File Name		
42	148	DBIF.FORM.READVAR	Form Read Variable		

DBDS Log

DBDS output can now be retained in a log for later review. This is very useful when you need to display large amounts of data and overcomes the problem of the DBDS output being truncated in the Windows alert display.



The screenshot shows a window titled "View DBDS" with a close button (X) in the top right corner. Below the title bar, there are controls for "DBDS View On/Off" (set to "On"), "Auto Clear" (set to "No"), and "Max Lines to Retain" (set to "500"). There are also "Refresh", "Clear", and "Submit" buttons, along with a help icon (?).

The main area is titled "Display DBDS" and contains a scrollable list of log entries. Each entry starts with a timestamp and event details, followed by the command text. The log entries include:

- 14:33:32 09 MAR 2018 Screenroot DBIPARMS_M30 Event BUTTON Eventsource B.PRINTSELECT
PROCESS.PARAMETER=SUBMITCABPRINT|BAEOMCAB` PRINTLIST` 2|LANDSCAPE` DRAWER|EOM - 18236` REP~18236-588495
FIELD(PROCESS.PARAMETER,"|",2)=BAEOMCAB` PRINTLIST` 2
DBPRINTJOB=BAEOMCAB` PRINTLIST` 2` REP~18236-588495` DRAWER|EOM - 18236` `
- 15:55:39 09 MAR 2018 Screenroot DBIFORMS_D30 Event VALIDATE Eventsource DBIF.FIELD.AFTER.WK
Not a valid subroutine or form name. You may only enter a cataloged program name or a form name (FILE_FORM) in this prompt.
- 15:59:45 09 MAR 2018 Screenroot DBCLIENT_ABC.DESIGNER Event Eventsource
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Account Manager' DBC.ACCOUNT.MANAGER in Col 420 Row 10
After Process required for Duplicate and Original.
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Account Manager' DBC.ACCOUNT.MANAGER in Col 630 Row 250
After Process required for Duplicate and Original.
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Agent Code' DBC.AGENT in Col 220 Row 3050
After Process required for Duplicate and Original.rgrg
- 16:06:53 09 MAR 2018 Screenroot DBIPARMS_DBDSVIEW Event BUTTON Eventsource B.REFRESH
W=DBDS*garb
- 16:07:25 09 MAR 2018 Screenroot DBCLIENT_ABC.DESIGNER Event Eventsource
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Account Manager' DBC.ACCOUNT.MANAGER in Col 420 Row 10
After Process required for Duplicate and Original.
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Account Manager' DBC.ACCOUNT.MANAGER in Col 630 Row 250
After Process required for Duplicate and Original.
'Account Manager' DBC.ACCOUNT.MANAGER duplicates 'Agent Code' DBC.AGENT in Col 220 Row 3050
After Process required for Duplicate and Original.
- 16:07:34 09 MAR 2018 Screenroot DBIPARMS_DBDSVIEW Event BUTTON Eventsource B.REFRESH
W=DBDS*garb
- 17:26:41 09 MAR 2018 Screenroot DBICLK_C10 Event AFTER DISPLAY Eventsource DBICLK_C10
Project is a mandatory field
- 17:27:51 09 MAR 2018 Screenroot DBICLK_C10 Event AFTER DISPLAY Eventsource DBICLK_C10

View Como

DesignBAIS now provides direct access to your Como record. Only significant lines are displayed. This feature is only available on databases that support Como or its equivalent.

It is now easy to quickly check for things like variable unassigned errors.

If a form aborts then first view the Como record to check for invalid reads or writes. If the Como is clear then run *dbi.run.last* in a terminal session which may reveal the cause of the abort.



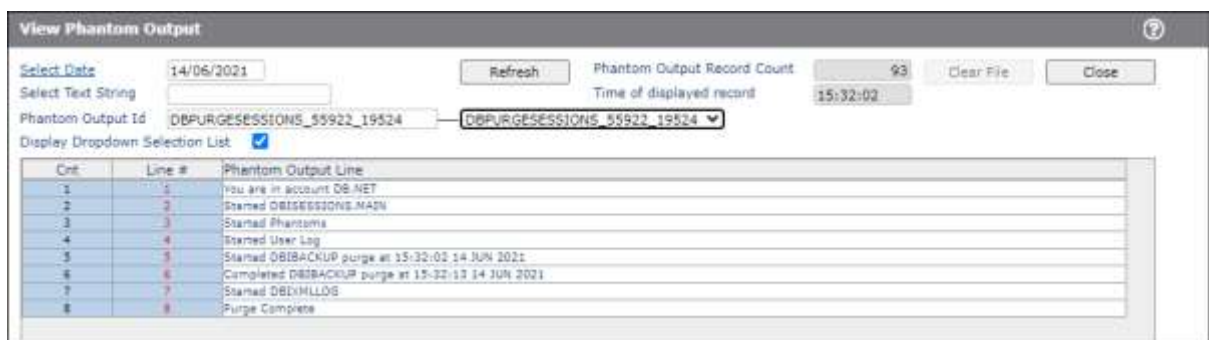
The screenshot shows the 'View Como' window. At the top, there are fields for 'My Como' (containing 'part'), 'Como Line Count' (1), and 'Como.1 Line Count' (452). There are buttons for 'Refresh', 'Clear Como', and 'My Logs'. A 'View Phantom Output' button is highlighted in yellow. Below is a table with columns 'Cnt', 'Como Line #', and 'Como Line Content'.

Cnt	Como Line #	Como Line Content
1	1	Como cleared
2	21	SELECT STATEMENT USED = SSELECT DBIPNRROC WITH RMPRC_ID = [] BY RMPRC_ID
3	22	RETURNED NRG =
4	23	CAPTURED NREC = 8
5	24	TOTAL TIME TAKEN = 00:00:00
6	25	Phantom process started with process ID 9990.
7	26	Phantom process started with process ID 9992.
8	127	90 records counted.
9	147	SELECT DBIBACKUP = "" selected:0
10	119	SELECT DBIBACKUP BY-DENO DBB_ARCH_DATE TIME selected:15734
11	162	SELECT DBI selected:234
12	163	SELECT DBICMREXTRACT selected:7
13	168	SELECT DBICON selected:119
14	171	SELECT DBIBDP selected:15
15	174	SELECT DBIFILES selected:93
16	177	SELECT DBIPORHTML selected:98
17	180	SELECT DBIFORMS selected:1196
18	183	SELECT DBIGROUPS selected:11
19	186	SELECT DBIHELP selected:118
20	189	SELECT DBIJCENCE selected:3
21	192	SELECT DBIMENUS selected:36

It is also possible to view the Como of another developer by entering the *weblogon* in the first field. Click *My Como* to revert to the display of your Como.

The *View Como* form can also be accessed directly from the *Find String* and the *Active Users* forms.

The *View Phantom Output* provides quick access to view records in the &PH& file (on Universe) or equivalent file on other databases.



The screenshot shows the 'View Phantom Output' window. It has fields for 'Select Date' (14/06/2021), 'Phantom Output Record Count' (93), and 'Time of displayed record' (15:32:02). There are buttons for 'Refresh', 'Clear File', and 'Close'. Below is a table with columns 'Cnt', 'Line #', and 'Phantom Output Line'.

Cnt	Line #	Phantom Output Line
1	1	You are in account DB.NET
2	2	Started DBSESSIONS.MAN
3	3	Started Phantoms
4	4	Started User Log
5	5	Started DBIBACKUP purge at 15:32:02 14 JUN 2021
6	6	Completed DBIBACKUP purge at 15:32:13 14 JUN 2021
7	7	Started DBIXMLLOG
8	8	Purge Complete

Add Button

There are several buttons that are recognized by DesignBAIS. The *Display Common* button can be added to any form in order to assist with debugging your application. The *Form Help* button when added to a form can be clicked to invoke form help.

Use the *Add Button* button on the *Code Editor* form to display the *Add Button to Form* form. This displays a list of all forms that currently have the standard buttons in place. These can be removed from individual forms, or from all forms in one go.

Retrieve any form by entering the *Filename* and *Form Name* and click the *Add Help* or *Add Display Common* buttons to add the buttons to a form.

Add Button to Form
Recent Forms ?

Filename: DBCLIENT ▼

Form Name:

Form Description:

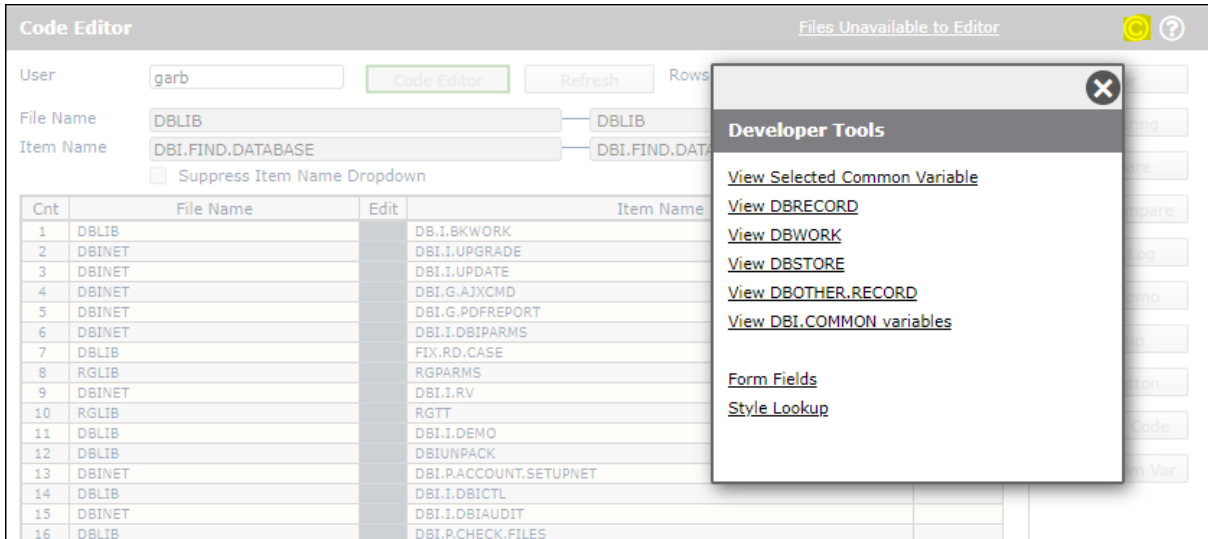
Forms with Special Buttons

Cnt	File Name	Form Name	Form Description	Button Name	Remove
1	DBCLASS	A10	Client Class Maintenance	B.DBICOMMON	Remove
2	DBCLASS	A10	Client Class Maintenance	B.DBIFORMHELP	Remove
3	DBCLIENT	B	Test No Lock Must Exist B	B.DBIFORMHELP	Remove
4	DBCLIENT	BFORM	Test Form Read Group	B.DBIFORMHELP	Remove
5	DBCLIENT	CLEARGRID	Test Clear of MV Grid	B.DBICOMMON	Remove
6	DBCLIENT	CLEARGRID	Test Clear of MV Grid	B.DBIFORMHELP	Remove
7	DBCLIENT	CODE	Test GCCODES,13	B.DBIFORMHELP	Remove
8	DBCLIENT	COLLAPSE	Collapse Test Form v7	B.DBIFORMHELP	Remove
9	DBCLIENT	COLLAPSE1	Collapse Test Form v7	B.DBIFORMHELP	Remove
10	DBCLIENT	DATEFIRST	Test Associated Field Update	B.DBIFORMHELP	Remove
11	DBCLIENT	DATEPICKER	Test Form v7	B.DBIFORMHELP	Remove
12	DBCLIENT	DEMO	DesignBais Demonstration Forms	B.DBICOMMON	Remove
13	DBCLIENT	DEMO	DesignBais Demonstration Forms	B.DBIFORMHELP	Remove
14	DBCLIENT	DEMOHEADER	Sample Form Header Form	B.DBICOMMON	Remove
15	DBCLIENT	DEMOHEADER	Sample Form Header Form	B.DBIFORMHELP	Remove
16	DBCLIENT	DERIVED	Test Derived Fields in Grid	B.DBICOMMON	Remove
17	DBCLIENT	DERIVED2	Test Derived Fields in Grid 2	B.DBICOMMON	Remove
18	DBCLIENT	ENQHEADER	Enquiry Header Form	B.DBIFORMHELP	Remove
19	DBCLIENT	FOOTER1	Footer Form 1	B.DBIFORMHELP	Remove
20	DBCLIENT	FOOTER2	Footer Form 2	B.DBIFORMHELP	Remove
21	DBCLIENT	GRIDREAD	Test MV Grid Reads	B.DBICOMMON	Remove
22	DBCLIENT	GRIDREAD	Test MV Grid Reads	B.DBIFORMHELP	Remove
23	DBCLIENT	GRIDREAD1	Test MV Grid Reads (1)	B.DBICOMMON	Remove
24	DBCLIENT	GRIDREAD1	Test MV Grid Reads (1)	B.DBIFORMHELP	Remove
25	DBCLIENT	GRIDREAD2	Test MV Grid Reads (1)	B.DBICOMMON	Remove
26	DBCLIENT	GRIDREAD2	Test MV Grid Reads (1)	B.DBIFORMHELP	Remove
27	DBCLIENT	GRIDREAD3	Test MV Grid Reads (1)	B.DBICOMMON	Remove
28	DBCLIENT	GRIDREAD3	Test MV Grid Reads (1)	B.DBIFORMHELP	Remove
29	DBCLIENT	GRIDREADWRITE	Test MV Grid Reads	B.DBICOMMON	Remove
30	DBCLIENT	GRIDREADWRITE	Test MV Grid Reads	B.DBIFORMHELP	Remove

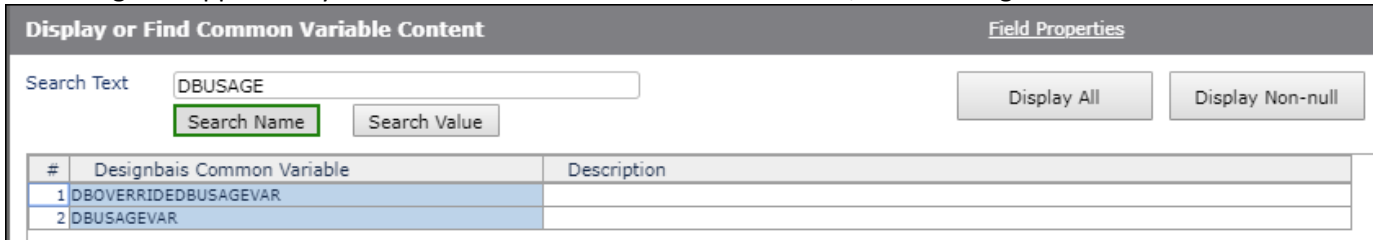
Total Rows 278
⏪ ⏩
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The Code Editor form is shown below with the *Form Help* and *Display Common* buttons. Clicking the *Display Common* button displays a form that allows you to view the current contents of DesignBAIS Common Variables as they are at the point that the button is clicked.

You can review the contents of DBRECORD, DBOTHER.RECORD, DBWORK, DBSTORE and all other common variables using the *View DBI.COMMON variables* button.



The *View Selected Common Variable* button allows you to view an common variable by entering a text string that appears anywhere in the name of the common variable, then clicking *Search Name*.



Click the blue-highlighted variable name to see the contents of that variable.

Alternatively enter a Search Text string and click *Search Value*. A list of all common variables that contain the string in their current value will be displayed, and you can click the blue-highlighted column to display the full value of a common variable from the list.

Use the *Display Non-null* button to limit the list of Common Variables displayed to only those that have a value.

Display or Find Common Variable Content

Field Properties

Search Text

#	Designbais Common Variable	Description
1	DBWORK<1,1> [DBIU.USER.NAME,WK:User Name]	
2	DBWORK<39,177> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
3	DBWORK<39,178> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
4	DBWORK<39,179> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
5	DBWORK<39,180> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
6	DBWORK<39,181> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
7	DBWORK<39,182> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
8	DBWORK<39,183> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
9	DBWORK<39,184> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
10	DBWORK<39,185> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
11	DBWORK<39,186> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
12	DBWORK<39,187> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
13	DBWORK<39,188> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
14	DBWORK<39,189> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
15	DBWORK<39,190> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
16	DBWORK<39,202> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item]	
17	DBWORK.SAVE<39,183>	
18	DBWORK.SAVE<39,184>	

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Line #	Common Variable Content
1	DBWORK<1,1> [DBIU.USER.NAME,WK:User Name] = garb
2	DBWORK<37,1> [DBIU.PREV.EDIT.ITEM.INPUT,WK:Item] = DBI.FIND.DATABASE
3	DBWORK<38,1> [DBIU.PREV.EDIT.ITEM.WK:Item] = DBI.FIND.DATABASE
4	DBWORK<39,1> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = 0--- Select Item Name ---
5	DBWORK<39,2> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BUL911110BUL91111
6	DBWORK<39,3> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0BULENT
7	DBWORK<39,4> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0010BULENT001
8	DBWORK<39,5> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0040BULENT004
9	DBWORK<39,6> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0050BULENT005
10	DBWORK<39,7> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0060BULENT006
11	DBWORK<39,8> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT0080BULENT008
12	DBWORK<39,9> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT520BULENT52
13	DBWORK<39,10> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT5210BULENT521
14	DBWORK<39,11> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT52130BULENT5213
15	DBWORK<39,12> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT540BULENT54
16	DBWORK<39,13> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT550BULENT55
17	DBWORK<39,14> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT570BULENT57
18	DBWORK<39,15> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT66770BULENT6677
19	DBWORK<39,16> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENT7770BULENT777
20	DBWORK<39,17> [DBIU.PREV.EDIT.ITEM.SEL,WK:Item] = BULENTGSA0BULENTGSA

Total Rows 471 Page 1 / 24

View Backup

The Backup function is designed for developers. It provides a method of retaining multiple versions of software elements, for example basic programs or forms. Changed items are written to the file DBIBACKUP. This file can be either a folder (Universe Type 1 or 19) or a large hashed file with reasonable separation since it will store potentially large basic subroutines.

There are two aspects to this tool. The backup function and the version review function.

Click the *Run Backup* button to initiate a backup of all files listed in the *Files to Backup* list. This list is maintained in System Parameters or from this form. Any items in the files in the list that differ from the most recent version in the DBIBACKUP file will be backed up again.

Cnt	File Name	Record Id (Subr Name)	Select	Type	Archive Date	Archive Time	Archive Id
1	RGLB	BAWEB		BACKUP	03.07.2020	10:57am	BGLB@BAWEB@BACKUP@19178@39471.144
2	DBI	E.DBISTYLEGROUP		BACKUP	03.07.2020	10:57am	DBI@E.DBISTYLEGROUP@BACKUP@19178@39470.44
3	DBIFILES	DBISTYLEGROUP		BACKUP	03.07.2020	10:57am	DBIFILES@DBISTYLEGROUP@BACKUP@19178@39470.44
5	DBIFORMS	DBIFILES*D10		BACKUP	03.07.2020	10:57am	DBIFORMS@DBIFILES*D10@BACKUP@19178@39471.894
6	DBIFORMS	DBISTYLEGROUP*D10		BACKUP	03.07.2020	10:57am	DBIFORMS@DBISTYLEGROUP*D10@BACKUP@19178@39470.456
7	DBIFORMS	DBISTYLEGROUP*D11		BACKUP	03.07.2020	10:57am	DBIFORMS@DBISTYLEGROUP*D11@BACKUP@19178@39470.425
8	DBIFORMS	DBUSERS*DBI		BACKUP	03.07.2020	10:57am	DBIFORMS@DBUSERS*DBI@BACKUP@19178@39471.832
9	DBINET	DBI.G.MVW3CNET		BACKUP	03.07.2020	10:57am	DBINET@DBI.G.MVW3CNET@BACKUP@19178@39470.378
10	DBINET	DBI.E.DBISTYLEGROUP		BACKUP	03.07.2020	10:57am	DBINET@DBI.E.DBISTYLEGROUP@BACKUP@19178@39474.338
11	DBIPROP	DBISTYLEGROUP*DBISG.MV.ADDPOS		BACKUP	03.07.2020	10:57am	DBIPROP@DBISTYLEGROUP*DBISG.MV.ADDPOS@BACKUP@19178@39470.425
13	DBISTYLE	I2MVInput		BACKUP	03.07.2020	10:57am	DBISTYLE@I2MVInput@BACKUP@19178@39471.612
17	DBISTYLE	I2MVInputEven		BACKUP	03.07.2020	10:57am	DBISTYLE@I2MVInputEven@BACKUP@19178@39471.612
19	DBISTYLEGROUP	IBATS		BACKUP	03.07.2020	10:57am	DBISTYLEGROUP@IBATS@BACKUP@19178@39470.393
20	DBISTYLEGROUP	igWeb		BACKUP	03.07.2020	10:57am	DBISTYLEGROUP@igWeb@BACKUP@19178@39470.378
4	DBIFORMHTML	V196-Matt1		BACKUP	03.07.2020	10:58am	DBIFORMHTML@V196-Matt1@BACKUP@19178@39490.76
12	DBIPROP	DBISTYLEGROUP*DBISG.MV.HEADER.HE		BACKUP	03.07.2020	10:58am	DBIPROP@DBISTYLEGROUP*DBISG.MV.HEADER.HE@BACKUP@19178@394
13	DBIPROP	DBISTYLEGROUP*DBISG.MV.ROW.HEIGHT		BACKUP	03.07.2020	10:58am	DBIPROP@DBISTYLEGROUP*DBISG.MV.ROW.HEIGHT@BACKUP@19178@39488.1
14	DBISTYLE	I2MVDelete		BACKUP	03.07.2020	10:58am	DBISTYLE@I2MVDelete@BACKUP@19178@39483.356
16	DBISTYLE	I2MVInputControl		BACKUP	03.07.2020	10:58am	DBISTYLE@I2MVInputControl@BACKUP@19178@39483.356
18	DBISTYLE	I2MVInsert		BACKUP	03.07.2020	10:58am	DBISTYLE@I2MVInsert@BACKUP@19178@39483.356

Cnt	File Name	Record Id (Subr Name)	Select	Type
1	DBICKK	2*217		BACKUP
2	DBICKK	2*218		BACKUP
3	DBINET	DBI.I.STARTPRINTNET		BACKUP

The *Review Backup Content* form is the form that displays first when *View Backup* is clicked. This form is used to view and access items in the backup file. Most often you will enter a string in the *Display Filter* field, say the name of a subroutine, then tab or click *Apply Filter*.

Cnt	File Name	Record Id (Sub Name)	Select	Type	Archive Date	Archive Time	Archive Id
61	DBNET	DB1.LDBIBACKUP		BACKUP	24.04.2020	05:49pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
62	DBNET	DB1.LDBIBACKUP		BACKUP	25.09.2020	09:06am	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
63	DBNET	DB1.LDBIBACKUP		BACKUP	25.09.2020	07:10pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
64	DBNET	DB1.LDBIBACKUP		BACKUP	25.09.2020	07:12pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
65	DBNET	DB1.LDBIBACKUP		BACKUP	25.09.2020	07:36pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
66	DBNET	DB1.LDBIBACKUP		BACKUP	26.03.2020	07:33am	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
67	DBNET	DB1.LDBIBACKUP		BACKUP	09.04.2020	06:50pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
68	DBNET	DB1.LDBIBACKUP		BACKUP	16.04.2020	07:28pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
69	DBNET	DB1.LDBIBACKUP		BACKUP	22.04.2020	04:26pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
70	DBNET	DB1.LDBIBACKUP		BACKUP	24.04.2020	10:02am	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
71	DBNET	DB1.LDBIBACKUP		BACKUP	29.04.2020	07:48pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
72	DBNET	DB1.LDBIBACKUP		BACKUP	01.07.2020	12:52pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463
73	DBNET	DB1.LDBIBACKUP		BACKUP	01.07.2020	01:10pm	DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463

The list of items matching this filter will display. Click the *Record Id* in the selected row of the third column to access the backed up item.

Backup Item Id: DBNET@DB1.LDBIBACKUP@BACKUP@19176@46344.463 | 01.07.2020 | 12:52pm

SSELECT DBIBACKUP

```

Line No | Record Content
-----|-----
1 | SUBROUTINE DB1.LDBIBACKUP
2 | *****
3 | * This program may not be reproduced, disclosed, used or sold in any
4 | * form or by any means without written authorization from :-
5 | *
6 | * Gerard Computing Services Pty Limited
7 | * 7 Tudor Ave, Cherrybrook NSW 2126
8 | *
9 | * or
10 | *
11 | * Legg Software Consultants Pty Limited
12 | * 17 Beeson St, Thornleigh NSW 2125
13 | *
14 | * Copyright (C) 2009
15 | * *****
16 | * Written : GARB 23/03/14
17 | * Amended :
18 | * GARB 21/04/18 Incorporate into DesignBais
19 | * GARB 26/05/18 For D3 use *A0 in lieu of @3D
20 | * GARB 03/07/18 @ID now available for all ports
21 | * GARB 11/07/18 Compare to Next button added
22 | * LEGS 11/07/18 Cleanup REMOVE & LINE for ports
23 | * GARB 13/09/18 Allow access to Forms Designer etc using DB1.D.D4
24 | * GARB 20/03/19 Fix to handle #|thisstring - exclude all items except ending with 'thisstring'
25 | * GARB 04/06/19 Fix to handle exclude string containing both left and right wild card characters
26 | * GARB 20/08/19 Do not select any backup items when first entering CONTENT form
27 | * GARB 22/08/19 Copy list of files to backup and items to exclude from another account
28 | * GARB 04/11/19 Set DBVALUE=4 = 6 in CREATE_CHKLIST to stop creation of transfer file - big file crashes (needs phantom) display Checklist Id (8^142)
29 | * GARB 10/02/20 Remove spointer to remote account using SET.QPPOINTERRREMOVE
30 | * GARB 06/04/20 Check if record is being locked in code editor before attempting to open code editor
  
```

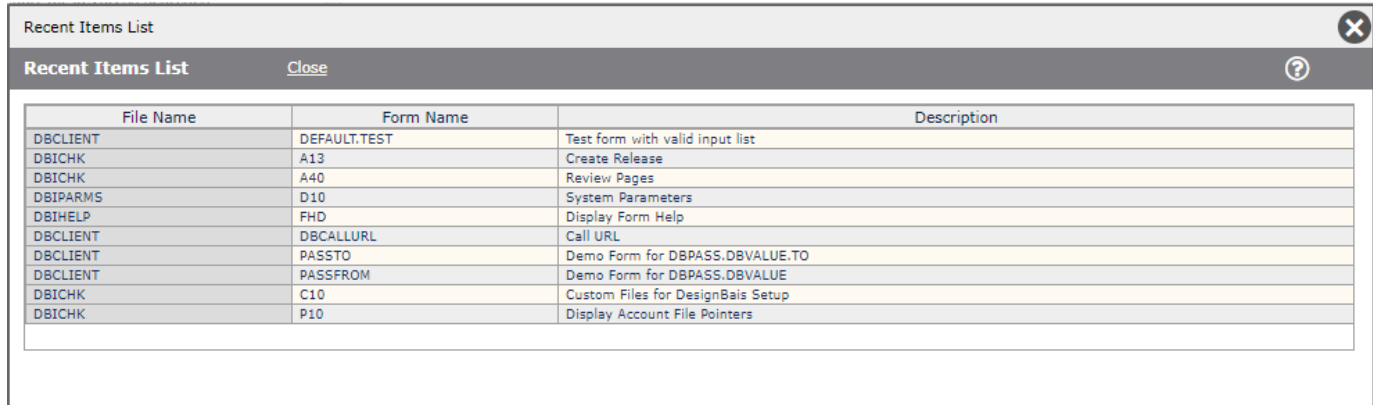
Total Rows 500 | Page 1 / 17

Use the *Compare to Current* or *Compare to Next* to invoke a line by line compare of the backup vs the current version, or the backup vs the next most recent backup.

Forms Designer – Recent button

Forms Designer, Report Designer, Selection Process and Run a Form all now have a Recent button to display a list of the 10 most recently accessed items.

Use the *Recent* button to avoid having to repeatedly type in the file and form name.



The screenshot shows a dialog box titled "Recent Items List" with a "Close" button and a help icon. The dialog contains a table with three columns: "File Name", "Form Name", and "Description". The table lists 10 items, with the first two columns containing file and form identifiers, and the third column providing a brief description of each item.

File Name	Form Name	Description
DBCLIENT	DEFAULT.TEST	Test form with valid input list
DBCHK	A13	Create Release
DBCHK	A40	Review Pages
DBIPARMS	D10	System Parameters
DBIHELP	FHD	Display Form Help
DBCLIENT	DBCALLURL	Call URL
DBCLIENT	PASSTO	Demo Form for DBPASS.DBVALUE.TO
DBCLIENT	PASSFROM	Demo Form for DBPASS.DBVALUE
DBCHK	C10	Custom Files for DesignBais Setup
DBCHK	P10	Display Account File Pointers

Forms Designer – Form Section control

Forms Designer now controls the Sections within a form. If all fields for a section are removed from a form then the section is removed from the list. Sections are sorted based on column and row. Warnings can be displayed for overlapping sections that potentially interfere with collapsing.

Section Control
Print Section Form

	Sections	Initial State	Condition by Field	Condition Operand	Value for Condition	Section State
✕	Title	Enabled (Display)	No Condition	No Operand		
✕	Help	Enabled (Display)	No Condition	No Operand		
✕	Buttons	Enabled (Display)	DBCK.PROGRESS.WK	≠ (Not Equal)		Hidden
✕	Hidden	Hidden	No Condition	No Operand		Hidden
✕	New	Enabled (Display)	DBCK.SRL.WK	≠ (Not Equal)		Enabled (Display)
✕	Maintain	Hidden	DBCK.SRL.WK	≠ (Not Equal)		Enabled (Display)
✕	NewCheck	Enabled (Display)	DBCK.SRL.WK	≠ (Not Equal)		Enabled (Display)
✕	NewPage	Enabled (Display)	DBCK.PAGE.WK	≠ (Not Equal)		Hidden
✕	Main	Hidden	DBCK.PAGE.WK	≠ (Not Equal)		Enabled (Display)
✕	Tested	No Change	DBCK.PAGE.WK	= (Equal To)		Hidden
✕	Tested	No Change	DBCK.DATE.COMPLETED	= (Equal To)		Disabled (Display)
✕	Tested	No Change	DBCK.PAGE.WK	≠ (Not Equal)		Enabled (Display)
✕	Main_Count	Hidden	DBCK.PAGE.WK	≠ (Not Equal)		Disabled (Display)
✕	Refresh	Collapse	DBCK.CTL.WK	= (Equal To)	1	Enabled (Display)
✕	Progress	Collapse	DBCK.PROGRESS.WK	≠ (Not Equal)		Enabled (Display)

Currently Viewing Section
All Sections ▼
Submit
Cancel

Mouse Control

Mouse Function	Field to invoke the Mouse Event	Action	Field to Display or Hide	Subroutine to Invoke
✕ -- Select --	-- Select --	-- Select --	-- Select --	

Forms Designer – Form Fields enquiry

Accessed from the *Help Definition* option on the Tools Menu.

This form allows you to analyse large forms in order to reveal duplicate attribute and DBWORK usage.

All columns can be sorted to allow you, for example, to find where on a form a particular field is located, or if the field is in fact on the form.

Form Fields

Filename: BKTRANS BKTRANS BK Transaction File Form Fields Duplicate Attributes Multivalue Control Properties

Form Name: TPSCRES PSC Restaurant Insurance Form Fields Form Help

All Fields Only Show Work Fields Only Show HJ Grids Exclude Work Fields Exclude Output Fields Exclude Null Attribute
 Only Show Buttons Only Show Text Fields Exclude Text Fields Exclude Buttons

Form Fields / Form Reads

Ctrl	File Name	Field Name	Field Text	Attr Property	Work	Base Ctrl Name	Group (Prt)	Ctrl Label	Section	Group Name	Read Variable	Col	Row
1	BKTRANS	BKCRDP	Header	BUTTON	N		button2	Accept				655	3
2	BKTRANS	SBREVOCE	Previous	BUTTON	N		button2	End-Cover				739	3
3	BKTRANS	SBREVOCE	Previous	TEXT	N		label1	Header				35	7
4	BKTRANS	TEXTONLY	Quote Reference	TEXT	N		label4	QuoteRef				23	40
7	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	199 INPUT	Y	BKTPROPQ20A.WK	text10	QuoteRef	DBWORK			189	40
8	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text6	Header	DBWORK			189	40
7	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text7	Header	DBWORK			190	40
8	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text8	Header	DBWORK			191	40
9	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text9	Header	DBWORK			192	40
10	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text10	Header	DBWORK			193	40
11	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text11	Header	DBWORK			194	40
12	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text12	Header	DBWORK			195	40
13	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text13	Header	DBWORK			196	40
14	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text14	Header	DBWORK			197	40
15	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text15	Header	DBWORK			198	40
16	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text16	Header	DBWORK			199	40
17	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text17	Header	DBWORK			200	40
18	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text18	Header	DBWORK			201	40
19	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text19	Header	DBWORK			202	40
20	BKTRANS	BKTPROPQ20A.WK	Proposal Question 20	200 INPUT	Y	BKTPROPQ20A.WK	text20	Header	DBWORK			203	40
21	BKTRANS	BKTCCUR1A.WK	Current	211 INPUT	Y	BKTCCUR1A.WK	text21	Header	DBWORK			626	40
22	BKTRANS	BKTCCUR2A.WK	Current	211 INPUT	Y	BKTCCUR2A.WK	text22	Header	DBWORK			627	40
23	BKTRANS	BKTCCUR3A.WK	Current	211 INPUT	Y	BKTCCUR3A.WK	text23	Header	DBWORK			628	40
24	BKTRANS	BKTCCUR4A.WK	Current	211 INPUT	Y	BKTCCUR4A.WK	text24	Header	DBWORK			629	40
25	BKTRANS	BKTCCUR5A.WK	Current	211 INPUT	Y	BKTCCUR5A.WK	text25	Header	DBWORK			630	40
26	BKTRANS	BKTCCUR6A.WK	Current	211 INPUT	Y	BKTCCUR6A.WK	text26	Header	DBWORK			733	40
27	BKTRANS	BKTCCUR7A.WK	Current	211 INPUT	Y	BKTCCUR7A.WK	text27	Header	DBWORK			734	40
28	BKTRANS	BKTCCUR8A.WK	Current	211 INPUT	Y	BKTCCUR8A.WK	text28	Header	DBWORK			740	40
29	BKTRANS	BKTCCUR9A.WK	Current	211 INPUT	Y	BKTCCUR9A.WK	text29	Header	DBWORK			741	40
30	BKTRANS	TEXTONLY	Quote Reference	TEXT	N		label10	Header				782	43
31	BKTRANS	BKTCCUR11A.WK	Current	211 INPUT	Y	BKTCCUR11A.WK	text31	Header	DBWORK			820	40
32	BKTRANS	BKTCCUR12A.WK	Current	211 INPUT	Y	BKTCCUR12A.WK	text32	Header	DBWORK			821	40
33	BKTRANS	BKTPOSTAL.WK	Postal work field	235 INPUT	Y	BKTPOSTAL.WK	text33	Header	DBWORK			670	40
34	BKTRANS	BKTCCUR13A.WK	Current	211 INPUT	Y	BKTCCUR13A.WK	text34	Header	DBWORK			822	40
35	BKTRANS	SBREVOCE	Previous	TEXT	N		label25	Header				830	30

Total Rows 752 HJ: 44 + 36 HJ Page 1 / 22

Form Fields

Filename: BKTRANS BKTRANS BK Transaction File Form Fields Duplicate Attributes Multivalue Control Properties

Form Name: TPSCRES PSC Restaurant Insurance Form Fields Form Help

Duplicate Attributes

File Name	Field Name	Field Text	Field Attribute	Field Multivalue	Field Subvalue	Property	Work Variable	Process After	Section	XML Label	Col	Row
BKTRANS	BKTPROPQ4A	Proposal Question 4	183			INPUT	N		MainPrevIns2	label254	570	130
BKTRANS	BKTPROPQ4A	Proposal Question 4	183			INPUT	N		MainPrevIns	label257	700	130
BKTRANS	BKTPROPQ4H	Proposal Question 4	377			INPUT	N	OB.I.BKTRANS.PSC	IDDer2	text294	290	1960
BKTRANS	BKTPROPQ4H	Proposal Question 4	377			INPUT	N		IDDer2	label297	400	1960
BKTRANS	BKTPROPQ5H	Proposal Question 5	378			INPUT	N	OB.I.BKTRANS.PSC	IDDer2	text298	290	1960
BKTRANS	BKTPROPQ5H	Proposal Question 5	378			INPUT	N		IDDer2	label294	400	1960
BKTRANS	BKT.CRCOET	Claims Preparation Costs	326			INPUT	N	OB.I.BKTRANS.PSC	IDDer2	text300	290	2000
BKTRANS	BKT.CRCOET	Claims Preparation Costs	326			INPUT	N		IDDer2	label301	400	2000

The *Form Reads* option displays all reads on the form as shown in the next example.

Form Fields

Filename: DBPARMS DBPARMS System Parameters Form Fields Duplicate Attributes Multivalue Control Properties Clear Close

Form Name: EID Entity Member Code Security Definition Form Reads Form Help

All Fields Only Show Work Fields Only Show HV Grids Exclude Work Fields Exclude Output Fields Exclude Null Attribute Only Show Buttons Only Show Text Fields Exclude Text Fields Exclude Buttons

Form Fields / Form Reads

Col	File Name	Field Name	Field Text	Attr	Property	Work	Base Grid Name	Group (Prog)	Job Label	System	Group Name	Field Variable	Col	Row
1	DBPARMS	DBPESDHRTTEXT	Entity Member Code Security Definition	TEXT	N				label1	None			1	8
2	DBPARMS	SECURITYRESET	Security Reset	BUTTON	N				label2	None			2	8
3	DBPARMS	TESTONLY	Test Only	TEXT	N				label3	None			3	8
4	DBPARMS	DBPM.ENTTYLST.WK	Key Part 1	TEXT	N		DBPM.ENTTYLST.WK		label4	None	DBWORK		4	12
5	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label5	None			5	12
6	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label6	None			6	12
7	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label7	None			7	12
8	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label8	None			8	12
9	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label9	None			9	12
10	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label10	None			10	12
11	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label11	None			11	12
12	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label12	None			12	12
13	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label13	None			13	12
14	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label14	None			14	12
15	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label15	None			15	12
16	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label16	None			16	12
17	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label17	None			17	12
18	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label18	None			18	12
19	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label19	None			19	12
20	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label20	None			20	12
21	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label21	None			21	12
22	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label22	None			22	12
23	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label23	None			23	12
24	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label24	None			24	12
25	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label25	None			25	12
26	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label26	None			26	12
27	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label27	None			27	12
28	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label28	None			28	12
29	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label29	None			29	12
30	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label30	None			30	12
31	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label31	None			31	12
32	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label32	None			32	12
33	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label33	None			33	12
34	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label34	None			34	12
35	DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	N				label35	None			35	12

Total Rows: 35 (1-35) Page: 1/2

Form Fields

Filename: DBPARMS DBPARMS System Parameters Form Fields Duplicate Attributes Multivalue Control Properties Clear Close

Form Name: EID Entity Member Code Security Definition Form Reads Form Help

All Fields Only Show Work Fields Only Show HV Grids Exclude Work Fields Exclude Output Fields Exclude Null Attribute Only Show Buttons Only Show Text Fields Exclude Text Fields Exclude Buttons

Form Fields / Form Reads

File Name	Field Name	Field Text	Attr	Section	Col	Row	Line	Group	Step (Prog)	Custom Variable	File	Type	Before	Param	After	Param
DBPARMS	DBPM.ENTTYLST.WK	Key Part 1	TEXT	18	Member	750	30	DBWORK	1	1		Read Step Only				
DBPARMS	DBPESDHRTTEXT	Entity Name	TEXT	1	Main	180	30	DBWORK	1	2		DBRECORD	No Lock - Full			DB1.DBPARMENTTYLST
DBPARMS	DBPESDHRTTEXT	User Group(s)	TEXT	121	Main	181	10	DBWORK	1	1		BROTHER.RECORD(8)	DB1.DBWORKS	No Lock - Full		
DBPARMS	DBPESDHRTTEXT	User Group(s)	TEXT	122	Main	182	10	DBWORK	1	2		BROTHER.RECORD(7)	DB1.DBWORKS	No Lock - Full		
DBPARMS	DBPESDHRTTEXT	User Group(s)	TEXT	8	Main	10	190	DBWORK	4	1		BROTHER.RECORD(4)	DB1.DBWORKS	No Lock - Full		
DBPARMS	DBPESDHRTTEXT	User Group(s)	TEXT	8	Main	10	130	DBWORK	5	1		BROTHER.RECORD(5)	DB1.DBWORKS	No Lock - Full		DB1.DBWORKS

Copy Form

Copy Form has been enhanced to provide much more functionality and flexibility.

- allows selected fields to be copied, rather than all fields on the source form
- if copying to a different file then the field equates prefix is changed to that of the new file
- screen label text and attribute number can be amended

Copy Form Process ✕

Copy Form ?

Copy From: File Name — DBCLIENT Client Test File
 Form Name Entity Security Test

Copy To: File Name — DBCLIENTRG Test
 Form Name

Second Prefix

+	Original Text	Change Field/Process To
➡ ✕		

[Copy](#) [All](#) [Clear](#) [Create](#) [All](#) [Clear](#)

Original Field	Original Text	Property	New Field	New Text	Copy	Create	New Attribute
B.SEL.CODE	Client Code	BUTTON	B.SEL.CODE	Client Code	<input checked="" type="checkbox"/>		
DBC.CLIENT.CODE	Client Code	INPUT	RGC.CLIENT.CODE	Client Code	<input checked="" type="checkbox"/>		
DBC.CLIENT.NAME	Name	INPUT	RGC.CLIENT.NAME	Name	<input checked="" type="checkbox"/>		
B.EXEC	Account Manager	BUTTON	B.EXEC	Account Manager	<input checked="" type="checkbox"/>		
B.SUBMIT	Submit	BUTTON	B.SUBMIT	Submit	<input checked="" type="checkbox"/>		
B.ENQTEST	Enquiry Test	BUTTON	B.ENQTEST	Enquiry Test	<input checked="" type="checkbox"/>		
B.SEL.MGR	Account Manager	BUTTON	B.SEL.MGR	Account Manager	<input checked="" type="checkbox"/>		
DBC.ACCOUNT.MANAGER	Account Manager	INPUT	RGC.ACCOUNT.MANAGER	Account Manager	<input checked="" type="checkbox"/>		
DBE.EXEC.NAME	Name	OUTPUT	DBE.EXEC.NAME	Name	<input checked="" type="checkbox"/>		
B.CLEAR	Clear	BUTTON	B.CLEAR	Clear	<input checked="" type="checkbox"/>		
B.EXTRACT	Extract	BUTTON	B.EXTRACT	Extract	<input checked="" type="checkbox"/>		
DBC.ENT.CODE.WK	Client Code	INPUT	RGC.ENT.CODE.WK	Client Code	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	60
DBC.ENT.RESULT.WK	Client Entity Check	INPUT	RGC.ENT.RESULT.WK	Client Entity Check	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	65
DBC.ENT.NAME.WK	Client Name	INPUT	RGC.ENT.NAME.WK	Client Name	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	61
DBC.ENT.MGR.WK	Account Mgr	INPUT	RGC.ENT.MGR.WK	Account Mgr	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	62
DBC.ENT.CLASS.WK	Client Class	INPUT	RGC.ENT.CLASS.WK	Client Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	63
DBC.ENT.DEMO.CLASS.WK	Demo Class	INPUT	RGC.ENT.DEMO.CLASS.WK	Demo Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	64
DBC.ENT.EXEC.CLASS.WK	Exec Class	INPUT	RGC.ENT.EXEC.CLASS.WK	Exec Class	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	66
R.REPORT1	Report Definition	REPORT	R.REPORT1	Report Definition	<input checked="" type="checkbox"/>		

Field Properties - Advanced Copy

You can now selectively copy properties to a new file. The field equates prefix is changed to that of the new file. Screen label text and attribute can also be changed. To access click Copy Field then click Advanced Copy on the form header bar.

Copy Field Properties ✕

Copy From: File Name

Copy To: File Name

Field Selection Criterion

Second Prefix

Original Screen Label Text New Screen Label Text

Copy All Clear

Cnt	Original Field	Original Text	New Field	New Text	Copy	New Attribute
1	BRK.REPTESTFIELD	Brk Reptestfield	DBC.REPTESTFIELD	Brk Reptestfield	<input checked="" type="checkbox"/>	205
2	DBC.ACCOUNT.MANAGER	Account Manager	RGC.ACCOUNT.MANAGER	Account Manager	<input type="checkbox"/>	25
3	DBC.ACCOUNT.MANAGER.WK	Account Manager	RGC.ACCOUNT.MANAGER.WK	Account Manager	<input type="checkbox"/>	50
4	DBC.AGE	Age	RGC.AGE	Age	<input checked="" type="checkbox"/>	125
5	DBC.AGE2	Age	RGC.AGE2	Age	<input checked="" type="checkbox"/>	125
6	DBC.AGENT	Agent Code	RGC.AGENT	Agent Code	<input type="checkbox"/>	25
7	DBC.AMOUNT	Amount	RGC.AMOUNT	Amount	<input checked="" type="checkbox"/>	204
8	DBC.ASS	Assigned	RGC.ASS	Assigned	<input checked="" type="checkbox"/>	81
9	DBC.ASS.DATE	Assigned Date	RGC.ASS.DATE	Assigned Date	<input checked="" type="checkbox"/>	82
10	DBC.ASS.SO	Assigned Support Officer	RGC.ASS.SO	Assigned Support Officer	<input checked="" type="checkbox"/>	83
11	DBC.ASS.TIME	Assigned Time	RGC.ASS.TIME	Assigned Time	<input checked="" type="checkbox"/>	85
12	DBC.ASS.TO	Assigned Technical Officer	RGC.ASS.TO	Assigned Technical Officer	<input checked="" type="checkbox"/>	84
13	DBC.ATTR.34	Check Box	RGC.ATTR.34	Check Box	<input checked="" type="checkbox"/>	34
14	DBC.BEFORE.WK	Select Event	RGC.BEFORE.WK	Select Event	<input checked="" type="checkbox"/>	99
15	DBC.CABINET.SEL.WK	Select Cabinet	RGC.CABINET.SEL.WK	Select Cabinet	<input checked="" type="checkbox"/>	47
16	DBC.CAPTCHA.TEXT	Enter text from Captcha Image	RGC.CAPTCHA.TEXT	Enter text from Captcha Image	<input type="checkbox"/>	112
17	DBC.CHECK.BOX	Check Box	RGC.CHECK.BOX	Check Box	<input type="checkbox"/>	34
18	DBC.CHECKGROUP	Check Box Group mv1	RGC.CHECKGROUP	Check Box Group mv1	<input checked="" type="checkbox"/>	87
19	DBC.CHECKGROUP2	Check Box Group mv2	RGC.CHECKGROUP2	Check Box Group mv2	<input checked="" type="checkbox"/>	87
20	DBC.CHECKGROUP3	Check Box Group mv3	RGC.CHECKGROUP3	Check Box Group mv3	<input checked="" type="checkbox"/>	87
21	DBC.CLICK.WK	Click Test	RGC.CLICK.WK	Click Test	<input checked="" type="checkbox"/>	12
22	DBC.CLIENT.CODE	Client Code	RGC.CLIENT.CODE	Client Code	<input type="checkbox"/>	0
23	DBC.CLIENT.NAME	Name	RGC.CLIENT.NAME	Name	<input type="checkbox"/>	1
24	DBC.COLOUR	Colours	RGC.COLOUR	Colours	<input checked="" type="checkbox"/>	54
25	DBC.COLOUR.MV	Colour	RGC.COLOUR.MV	Colour	<input checked="" type="checkbox"/>	55
26	DBC.COLOUR.SEL.WK	Select Colour	RGC.COLOUR.SEL.WK	Select Colour	<input checked="" type="checkbox"/>	15

Submit Cancel

Field Properties - Refine by Field Name

Use the *Refine by Field Name* to filter the display of field properties. In this example the display is limited to those fields containing the string ".RV.".

Submit Clear Delete Incl / Excl Work Fields Both Show All

Incl / Excl MV Fields Both

Include Attrib >= 0 Page Down

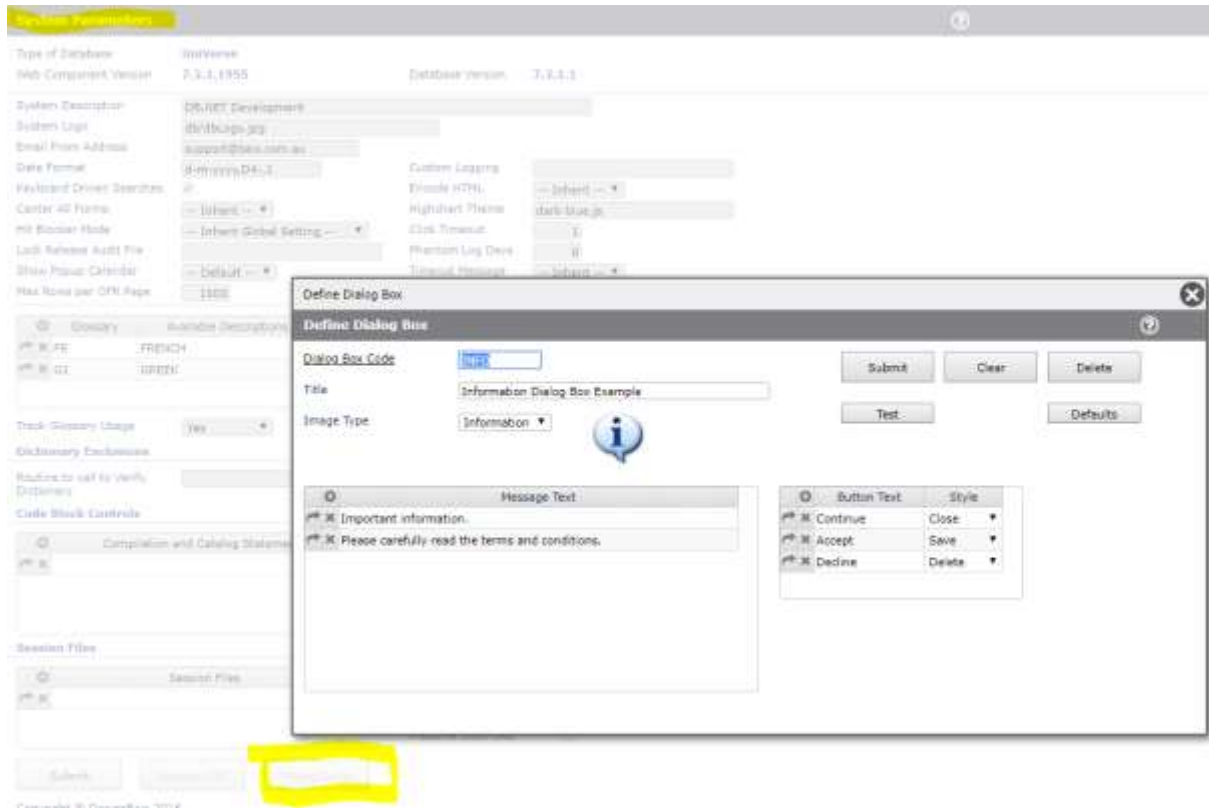
Refine by Field Name

Field Name	Screen Label	Attrib	Type	eXpress Reporting	Length	Dec	Just	Conv	Mult	Work	Group
DBCK.RV.SORT.WK	Sort Results By	20	A	N/A	20		L		N	Y	
DBCK.RV.ACCOUNT.WK	Account Name or Path	21	A	N/A	30		L		N	Y	
DBCK.RV.FILENAME.WK	DBIFORMS Data Path	22	A	N/A	30		L		N	Y	
DBCK.RV.LIB.NAME.WK	Basic Library Name	23	A	N/A	30		L		N	Y	
DBCK.RV.FIND.LIST.BACKUP.WK	Backup File for Removed Record	24	A	N/A	30		L		N	Y	
DBCK.RV.FIND.LIST.FILE.CNT.WK	Record Count	25	N	N/A	10		R		N	Y	
DBCK.RV.FIND.LIST.FILE.WK	Basic Library or File Name	26	A	N/A	30		L		N	Y	
DBCK.RV.FILES.WK	File List	27	A	N/A	30		L		N	Y	FILELIST
DBCK.RV.FILES.SEL.WK	File List	28	A	N/A	30		L		N	Y	
DBCK.RV.SUFFIX.WK	File Suffix List	29	A	N/A	30		L		N	Y	

You can also filter by Work Field, Multivalued field or attribute number.

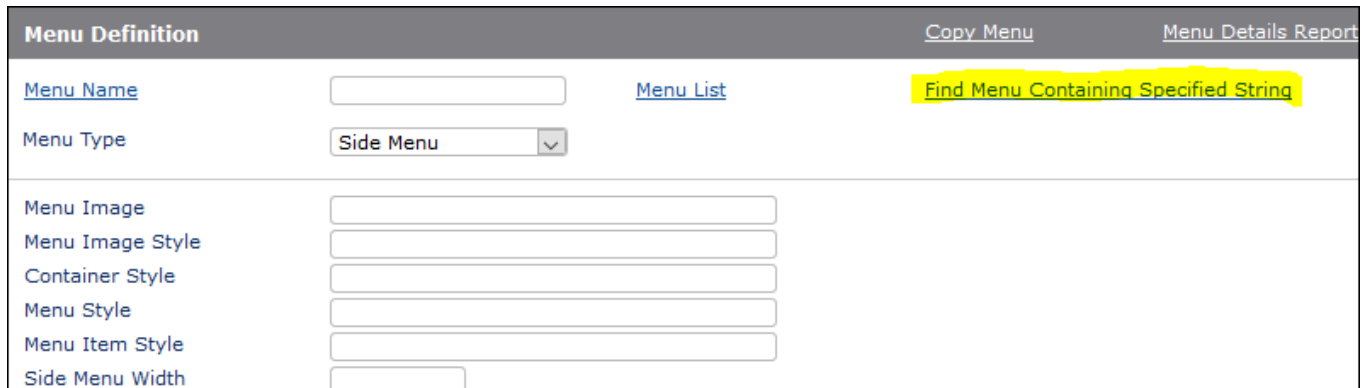
Dialog Box alternative

There is an alternative Dialog Box function allowing up to 5 buttons on the dialog box form. There is the provision to set up standard dialog boxes (see System Parameters *Dialog Setup* button)



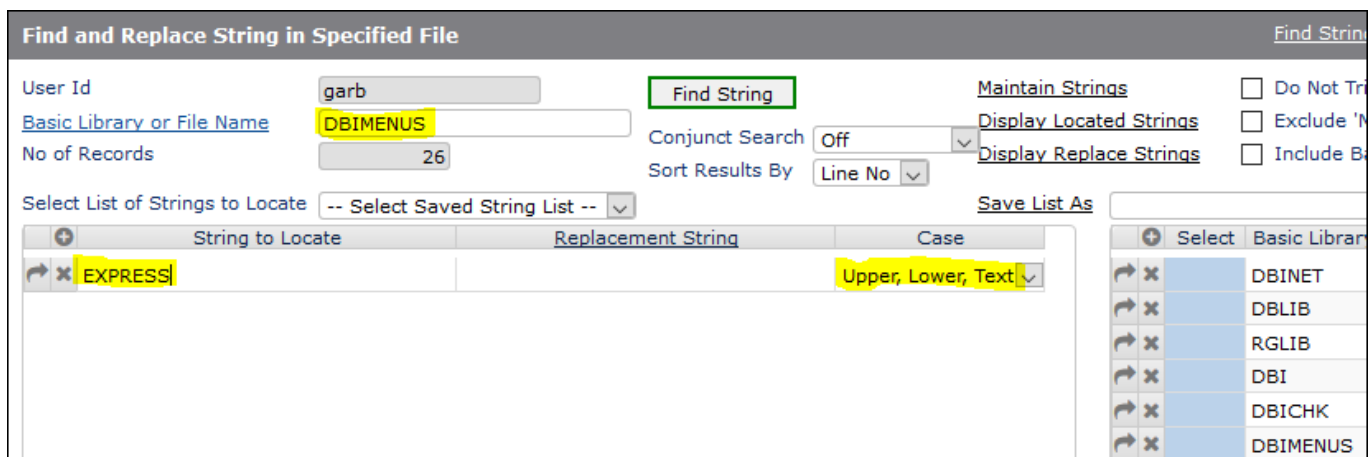
Menu Definitions – Finding a menu

A common problem is to know which menu contains the option that you wish to amend, or to know which menu it is that you want to add an option to. Click on the *Menu Definitions* option on the main tools menu then click *Find Menu Containing Specified String*.



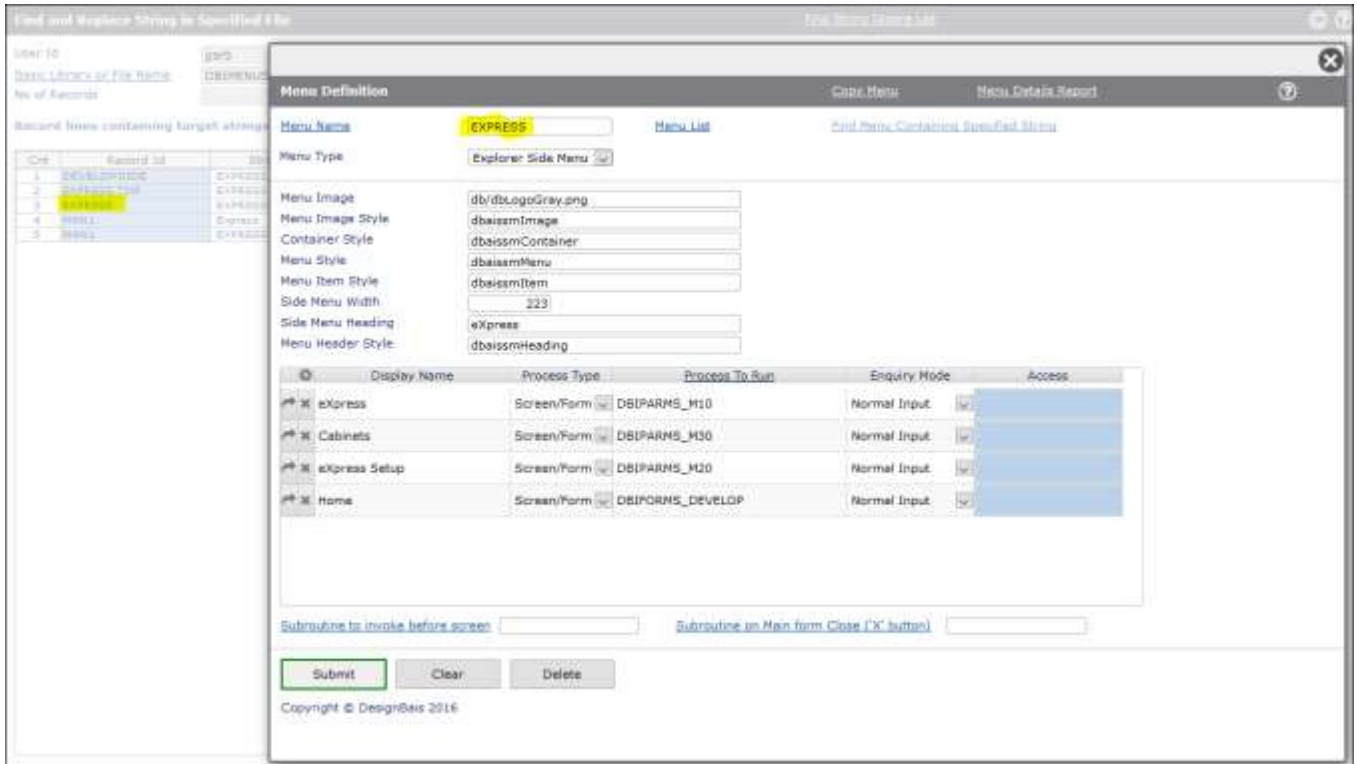
The screenshot shows the 'Menu Definition' tool interface. At the top right, there are buttons for 'Copy Menu' and 'Menu Details Report'. Below these, there are input fields for 'Menu Name' and 'Menu List', and a highlighted button labeled 'Find Menu Containing Specified String'. A 'Menu Type' dropdown menu is set to 'Side Menu'. Below these fields are several empty input boxes for 'Menu Image', 'Menu Image Style', 'Container Style', 'Menu Style', 'Menu Item Style', and 'Side Menu Width'.

The *Find and Replace String in Specified File* will open with the file *DBIMENUS* selected. Enter the string that you want to search for. In the example below the string to locate is "EXPRESS". You may use the *Case* dropdown to look for upper, lower and text case if required. Then click *Find String* or press the Enter key.



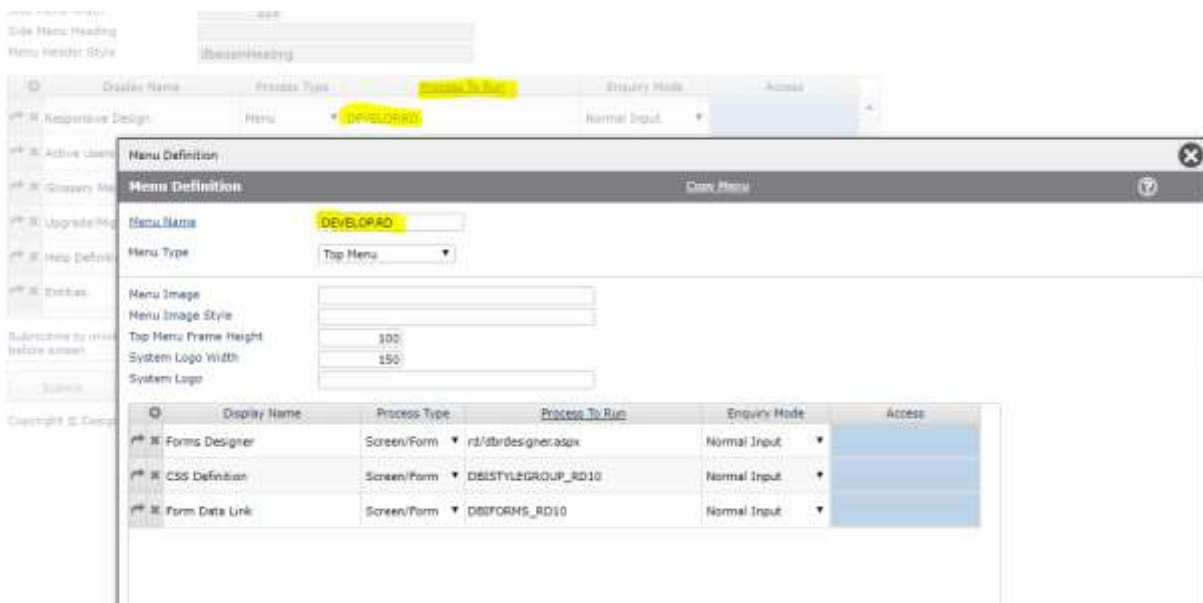
The screenshot shows the 'Find and Replace String in Specified File' tool interface. At the top right, there is a 'Find String' button. Below this, there are input fields for 'User Id' (value: garb), 'Basic Library or File Name' (value: DBIMENUS), and 'No of Records' (value: 26). There are also dropdown menus for 'Conjunct Search' (value: Off) and 'Sort Results By' (value: Line No). A 'Find String' button is highlighted in green. To the right, there are checkboxes for 'Maintain Strings' (unchecked), 'Display Located Strings' (unchecked), and 'Display Replace Strings' (unchecked). Below these are checkboxes for 'Do Not Tr' (unchecked), 'Exclude M' (unchecked), and 'Include B' (unchecked). A 'Save List As' field is also present. Below the input fields is a table with columns 'String to Locate', 'Replacement String', and 'Case'. The first row shows 'EXPRESS' in the 'String to Locate' column and 'Upper, Lower, Text' in the 'Case' column. To the right of the table is a list of basic libraries with checkboxes and arrows: DBINET, DBLIB, RGLIB, DBI, DBICLK, and DBIMENUS.

The menus in which the string is found are displayed. Click the row in the *Record Id* column to call up that menu in the Menu Definitions maintenance tool.



Menu Definitions – Maintaining a menu called from a menu

You can now directly access a menu that is called from the menu that you are maintaining by placing focus on the row of the grid and clicking *Process to Run*.



Menu Definitions – Menu List lookup

Using the Menu List search button, rather than the traditional Menu Name lookup, may provide an easier to read list of available menus. Select the menu that you wish to view or maintain from the list in column 2 of the display.

The screenshot shows the DesignBais 'Menu Definition' interface. At the top, there are tabs for 'Menu Definition', 'View Menu', and 'Menu Details (readonly)'. Below these are input fields for 'Menu Name', 'Menu Type' (set to 'Top Menu'), 'Menu Image', 'Menu Image Style', and 'Include System Logo'. A yellow box highlights the 'Menu List' button. Below the form is a 'List of Menu Attributes' table with columns: Menu Name, Menu Type, Top Menu Frame Height, Top Menu Image, System Logo Width, System Logo, Side Menu Width, Side Menu Heading, and Subroutine to invoke before screen. Below the table is a 'Refine Search' section with a 'Menu Name' input field and 'Refine' and 'Reset' buttons.

Menu Name	Menu Type	Top Menu Frame Height	Top Menu Image	System Logo Width	System Logo	Side Menu Width	Side Menu Heading	Subroutine to invoke before screen
DEND_SAMPLE_TOOLS	Top Menu	20		225				
DEND_SAMPLE_TOP	Top Menu	31		225				
DEND_TOP	Top Menu	20		225				
DEVELOPBLANK	Top Menu	0		0				
DEVELOPGLOBAL	Top Menu	100		150				
DEVELOPHD	Top Menu	100		150				
DEVELOPMANUALS	Top Menu	20		225				
DEVELOPMIGRATION	Side Menu	100		150				
DEVELOPMD	Top Menu	100		150				
DEVELOPSIDE	Explorer Side Menu	100	eb/ebLogo.jpg	150		225		
DEVELOPSIDE-ENTRY	Top Menu	100		150			Entries	
DEVELOPSIDE-EOF	Top Menu	100		150			End of Period	
DEVELOPSIDE-LOCK	Top Menu	100		150				
DEVELOPSYSTEM	Top Menu	100		150				
DEVELOPTOP	Top Menu	20		150				
DEVELOPUPGRADE	Side Menu	100		150				
DEVELOPWORKFLOW	Side Menu	100	100/100/eb/ebLogoGray.png	150	150	225	workflow (BPM)	DBL1.BHCODE
EXPRESS	Explorer Side Menu	100	eb/ebLogoGray.png	150		225	express	
EXPRESS.TOP	Top Menu	20		225				
GARS	Top Menu	100		150				DB.L.S.
GARS1	Top Menu	100	100/100/eb/ebLogoGray.png	150	150	225		

Active Users

There are buttons to display *Phantom Status*, *Hit Status* and *Como*. Phantom processes can be killed with a button click (see red arrow below pointing to the active (blue highlight) process).

Process ID	Status	Start Date	Time	Account	User	File	Form	Description	Pages	Duration (hh:mm:ss)
2988	Complete	06-03-2018	14:42:23	DB.NET	caib	DBPROP	R10	Field Properties Report	1	0:00:00
1180	Complete	07-03-2018	07:28:08	DB.NET	dotnetdev	DBGLOBAL	D20	DesignBasis Purge		0:00:02
7968	Complete	08-03-2018	09:09:33	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		0:00:58
238	Complete	09-03-2018	08:03:16	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		0:01:00
11226	Complete	11-03-2018	12:17:12	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		0:00:02
3124	Complete	12-03-2018	09:26:28	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		0:00:02
8080	Complete	12-03-2018	17:21:22	DB.NET	legj	DBCLIENT	DLRER DESIGNER		3	0:00:00
4320	Complete	12-03-2018	17:24:42	DB.NET	legj	DBCLIENT	REPORT11.DESIGNER	Customer Listing	3	0:00:01
8672	Complete	12-03-2018	17:44:07	DB.NET	dotnetdev	DBFORMS	R10	Field Properties Report	1	0:00:00
5528	Complete	12-03-2018	18:14:16	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:00
7624	Complete	12-03-2018	18:25:28	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:00
6508	Complete	12-03-2018	18:31:06	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
10104	Complete	12-03-2018	18:36:18	DB.NET	legj	DBCLIENT	REPORT11.DESIGNER	Customer Listing	5	0:00:01
6512	Complete	12-03-2018	18:37:14	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
8780	Complete	12-03-2018	18:54:14	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	4	0:00:00
852	Complete	12-03-2018	19:00:54	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	4	0:00:00
6380	Complete	12-03-2018	19:01:50	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	4	0:00:00
9864	Complete	12-03-2018	19:28:11	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
9380	Complete	12-03-2018	19:46:29	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	4	0:00:00
8516	Failed	13-03-2018	08:55:35	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
7296	Complete	13-03-2018	11:00:42	DB.NET	legj	DBFORMS	R10	Field Properties Report	1	0:00:00
8076	Complete	13-03-2018	11:10:30	DB.NET	legj	DBCLIENT	RPT.INCL.1	Demo Report using REPORT.INCLUDE	305	0:00:00
4992	Complete	13-03-2018	11:47:24	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:00
9104	Complete	13-03-2018	12:28:10	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
9580	Complete	13-03-2018	16:47:31	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
7752	Failed	14-03-2018	06:27:32	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
11008	Complete	14-03-2018	06:28:04	DB.NET	legj	DBFORMS	R10	Field Properties Report	7	0:00:01
9584	Failed	15-03-2018	08:54:04	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
8740	Failed	16-03-2018	08:43:47	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
2140	Complete	16-03-2018	08:44:05	DB.NET	garb	DBUSERS	R10	User Access Report	2	0:00:00
8240	Complete	16-03-2018	08:44:43	DB.NET	garb	DBUSERS	R10	User Access Report	8	0:00:00
11156	Complete	16-03-2018	08:47:11	DB.NET	garb	DBUSERS	R10	User Access Report	8	0:00:00
9432	Failed	17-03-2018	12:03:47	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
9344	Failed	18-03-2018	12:08:01	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
9892	Failed	19-03-2018	09:16:21	DB.NET	dotnetdev	DBFORMS	DEVELOP	DesignBasis Purge		Unknown
5808	Complete	19-03-2018	13:01:38	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	1	0:00:00
2840	Complete	19-03-2018	13:15:04	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	1	0:00:00
9776	Complete	19-03-2018	13:20:57	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	1	0:00:00
2136	Complete	19-03-2018	13:41:02	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	1	0:00:00
9212	Complete	19-03-2018	14:09:44	DB.NET	garb	DBCHK	RELEASE	Checklist Release Items	1	0:00:00
4482	Untracked	04-03-2018	19:29:00	DB.NET	BADEV\dotnetdev					396:23:55



Form Help

New Form Help function allows F1 help text for all fields on a form to be viewed and amended. Users can access the help form for the form they are in by clicking the help button. Developers can directly access the field properties by clicking on the *Field Name* column.

- Use the *Help Definition* → *Form Help* menu option to enter and maintain form help.
- Use the *Add Button* function on the *Editor* form to add the form help button to any form.
- The DesignBAIS F1 Help function now displays field help from the form help record if it exists. This provides the ability to have different field help for the same field used on different forms.
- F1 help can now be attached to buttons.

Form Help

Code Editor History Expand Exit

DesignBais Editor

Use this form to edit items using the DesignBais Code Editor, or to access previously edited items by clicking the Edit column on the row corresponding to the item.

Clicking a row in the File Name column will load the file name from that row into the File Name field at the top of the form. This is the file that will be accessed by the Editor.

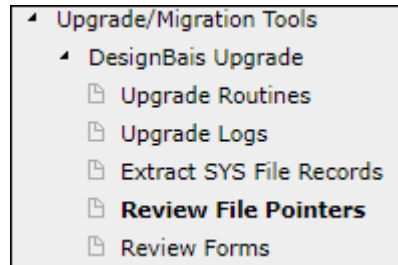
Similarly, clicking the Item Name column will load that item name into the Item Name field at the top of the form.

Field Tag	Help Text	Field Name	View
Form Full Description	Access Code Editor with a list of previously edited items.		
	Displays user help (F1 field help) for all the fields on the form. Help for buttons, images, reports and other form elements can also be defined and displayed.	B.DBFORMHELP	
Files Unavailable to Editor	A list of files that cannot be used with the editor. This is usually because records in these files contain control characters that cause DesignBais to crash.	B.DONORE FILES	
Weblogin	The user id of the session running this form.	DBIU.USER.ID.WK	
Code Editor	Click to access the Code Editor. The item that is referenced in the File Name and Item Name fields will be passed to the editor.	B.EDITOR	
Refresh	Refresh the list of previously edited items. This may be required if a user is using the editor in more than 1 tab concurrently.	B.REFRESH	
Rows per Page	The number of rows per page for the report of previously edited items.	DBIU.PREV.EDIT.PAGEROWS.WK	
Code Editor Access	Enter Yes to make the DesignBais Code Editor available for this user or No to prevent access to the Code Editor for this user. If no value has been entered then access will be denied. For Code Editor access to be available: Basic Authentication must be enabled, a connection user must be defined in the web config file (see 'location path="codeeditor"') and the DesignBais User record for every user that requires access must have Code Editor Access set to 'Yes'.	DBIU.CODE.EDITOR.WK	
Clear	Clears all fields currently displayed on the form.	B.CLEAR	
User Group	The Group for the DesignBais User	DBIU.USER.GROUP.WK	
File Name	The name of the file containing the record to be edited using Code Editor.	DBIU.PREV.EDIT.FILE.INPUT.WK	

Review File Pointers

This function allows you to amend file and Q pointers in an account. This task is usually not required very often. More often you may want to display pointers just to check where your files are.

The function is accessed from the side menu.



You must create a *Project* code by clicking the [Project](#) button. This allows you to save a set of account names so that they are available to be selected from the *Account Name or Path* dropdown list.

The screenshot shows the 'Review File Pointers' application interface. At the top, there are several control buttons: 'Restart', 'Show All', 'Changed', 'Unchanged', 'Clear', and 'Custom Files'. Below these are input fields for 'Project' (set to 'MIGA') and 'Account Name or Path' (set to 'DBINETLOGIN'). There are also buttons for 'Show Q Pointers', 'Setup DBINET Pointer', and 'Change Log'. The main area contains several data paths for DBIFORMS and DBIUSERS, with 'Show Only' and 'Exclude Pointers' text boxes. Below this is a section for 'From Path' and 'To Path' with 'Apply' and 'Apply to Row' buttons. The central part of the interface is a table with columns: 'Cnt', 'File Name', 'Delete', 'Data Path', 'Dict Path', and 'Test'. The table lists 28 file pointers, with the first few rows highlighted in blue. On the left side of the table, there are two input fields: 'File Pointers Flagged for Deletion' (set to 0) and 'Total File Pointers' (set to 28). On the right side, there are buttons for 'Add to Standard Conversions', 'View Standard Conversions', and 'Apply Standard Conversions'.

Cnt	File Name	Delete	Data Path	Dict Path	Test
1	AE_COMS	AE_COMS		D_AE_COMS	
2	DBI		E:\HOME\DESIGNBAIS\DBINET\DBI	E:\HOME\DESIGNBAIS\DBINET\D_DBI	
3	DBI.O		E:\HOME\DESIGNBAIS\DBINET\DBI.O	E:\HOME\DESIGNBAIS\DBINET/D_DBI.O	
4	DBIFILES		E:\HOME\DESIGNBAIS\DBINET/D_DBIFILES	E:\HOME\DESIGNBAIS\DBINET/D_DBIFILES	
5	DBIFORMS		E:\HOME\DESIGNBAIS\DBINET/D_DBIFORMS	E:\HOME\DESIGNBAIS\DBINET/D_DBIFORMS	
6	DBIGLOBAL			E:\HOME\DESIGNBAIS\DBINET/D_DBIGLOBAL	
7	DBIGROUPS		E:\HOME\DATA\DBILOGIN\DBIGROUPS	E:\HOME\DESIGNBAIS\DBINET/D_DBIGROUPS	
8	DBIHELP		E:\HOME\DESIGNBAIS\DBINET\DBIHELP	E:\HOME\DESIGNBAIS\DBINET/D_DBIHELP	
9	DBILICENCE		DBILICENCE	E:\HOME\DESIGNBAIS\DBINET/D_DBILICENCE	
10	DBIMENUS		E:\HOME\DESIGNBAIS\DBINET/D_DBIMENUS	E:\HOME\DESIGNBAIS\DBINET/D_DBIMENUS	
11	DBINET		E:\HOME\DESIGNBAIS\DBINET\DBINET	E:\HOME\DESIGNBAIS\DBINET/D_DBINET	
12	DBINET.O		E:\HOME\DESIGNBAIS\DBINET\DBINET.O	E:\HOME\DESIGNBAIS\DBINET/D_DBINET.O	
13	DBIPARMS		E:\HOME\DESIGNBAIS\DBINET/D_DBIPARMS	E:\HOME\DESIGNBAIS\DBINET/D_DBIPARMS	
14	DBIPROP		E:\HOME\DESIGNBAIS\DBINET/D_DBIPROP	E:\HOME\DESIGNBAIS\DBINET/D_DBIPROP	
15	DBIREPORTS		E:\HOME\DESIGNBAIS\DBINET/D_DBIREPORTS	E:\HOME\DESIGNBAIS\DBINET/D_DBIREPORTS	
16	DBISELECT		E:\HOME\DESIGNBAIS\DBINET/D_DBISELECT	E:\HOME\DESIGNBAIS\DBINET/D_DBISELECT	
17	DBISESSIONS		DBISESSIONS	E:\HOME\DESIGNBAIS\DBINET/D_DBISESSIONS	
18	DBISESSIONS.NEW		DBISESSIONS.NEW	D_DBISESSIONS.NEW	
19	DBISTATS			E:\HOME\DESIGNBAIS\DBINET/D_DBISTATS	
20	DBISTYLE		E:\HOME\DESIGNBAIS\DBINET/D_DBISTYLE	E:\HOME\DESIGNBAIS\DBINET/D_DBISTYLE	
21	DBISTYLEGROUP		E:\HOME\DESIGNBAIS\DBINET/D_DBISTYLEGROUP	E:\HOME\DESIGNBAIS\DBINET/D_DBISTYLEGROUP	
22	DBISYFILES		E:\HOME\DESIGNBAIS\DBINET/DBISYFILES	E:\HOME\DESIGNBAIS\DBINET/D_DBISYFILES	
23	DBISYSFORMS		E:\HOME\DESIGNBAIS\DBINET/DBISYSFORMS	E:\HOME\DESIGNBAIS\DBINET/D_DBISYSFORMS	
24	DBISYSPROP		E:\HOME\DESIGNBAIS\DBINET/DBISYSPROP	E:\HOME\DESIGNBAIS\DBINET/D_DBISYSPROP	
25	DBISYSSELECT		E:\HOME\DESIGNBAIS\DBINET/DBISYSSELECT	E:\HOME\DESIGNBAIS\DBINET/D_DBISYSSELECT	
26	DBIUSERS		DBIUSERS	E:\HOME\DESIGNBAIS\DBINET/D_DBIUSERS	
27	DBIYNLLOG		DBIYNLLOG	E:\HOME\DESIGNBAIS\DBINET/D_DBIYNLLOG	
28	UVACCOUNT		F:\UV\UV\UVACCOUNT	F:\UV\UV\UVACCOUNT	

Use the *Show Q Pointers* and *Show File Pointers* link to flip between the two types.

To limit the display to those pointers that are of interest use the *Show Only* text field to enter a string to limit the display to those pointers that contain the string.

Use the *Exclude Pointers* text field to exclude pointers containing the entered string.

You can flag pointers for deletion when *Submit* is clicked. The function identifies some pointers as temporary and automatically sets the delete flag. You can click these to retain the pointers if need be.

User Maintenance

New report of *Users with Logging* displays the subset of users that have logging turned on or have access to the Code Editor. Click option on User Id and Name takes you to the maintenance form.

Seq	User Id	Name	Logging Option	Code Editor	Date Last Change	Change by Who
1	ands	Sheri Andrews	Y	Y	09/03/2018	ands
2	armj	Jim Armstrong	N	Y	23/02/2018	mora
3	canb	Bulent Can	N	Y	12/03/2018	garb
4	dbilomf	Flavio Lomeo	Y	Y	01/03/2018	dbilomf
5	dbiwebsite	designbais	Y	Y	20/06/2017	
6	dbnetuser	dbnetuser	Y	Y	08/03/2018	legj
7	dbnetuser.orig	dbnetuser	Y	Y	01/02/2018	dotnetdev
8	designbais	designbais	Y	Y	14/08/2017	garb
9	dotnetdev	dotnetdev	Y	Y	17/08/2017	dotnetdev
10	garb	Bob Garrard	Y	Y	12/03/2018	garb
11	garb.test	dbnetuser	Y	Y	02/02/2018	dbnetuser
12	ibaismsg	SVU Testing	Y	Y	23/02/2018	ibaismsg
13	joag	Greg Joannou	N	Y	21/02/2018	mora
14	legj	Jon Legg	Y	Y	08/03/2018	legj
15	mora	Andrew Morris	Y	Y	02/03/2018	mora
16	polj	Julie Polich	Y	N	20/02/2018	mora
17	sja	Sheri Andrews	Y	Y	09/03/2018	ands
18	star	Robert Stapleford	C	N	27/02/2018	mora

New button *Set Start Account* allows you to set up multiple users with multiple accounts in one go. Only enabled if you are not maintaining a user record.

User Name	User Name
garb	Bob Garrard
legj	Jon Legg
mora	Andrew Morris

Account or Account Path	Start Form	Start Process (Form Load)
NEW.ACCOUNT.NAME	STARTFILE_STARTFORM	
ANOTHER.NEW.ACCOUNT	STARTFILE2_STARTFORM2	

When you are maintaining a user then the *Display Start Account List* button allows you to see all the start accounts and start forms for a user. When there is a long list it is difficult to see if an account is already present in the grid. This report allows for sorting and duplicates can be deleted.

Seq	Start Account or Path	Delete	Start Form	Start Process - Form Load
3	BA_LOGINNET		DBIFORMS_DEVELOP	
4	BA_SOURCE.RELNET		DBIFORMS_DEVELOP	
16	BAIS.GL.LIVE		DBIFORMS_DEVELOP	
7	BAIS.GL.LIVENET		DBIFORMS_DEVELOP	
17	BAIS.LIVE		DBIFORMS_DEVELOP	
6	BAIS.LIVENET		DBIFORMS_DEVELOP	
2	BAIS.NET		SCOPTIONS_MAINMENU	
18	BAIS.PF.GL.LIVE		DBIFORMS_DEVELOP	
8	BAIS.PF.GL.LIVENET		DBIFORMS_DEVELOP	
19	BAIS.PF.LIVE		DBIFORMS_DEVELOP	
9	BAIS.PF.LIVENET		DBIFORMS_DEVELOP	
30	BAIS.SHR.LIVE		DBIFORMS_DEVELOP	
10	BAIS.SHR.LIVENET		DBIFORMS_DEVELOP	
31	DBINET.DEMO		DBCLINT_DEMO	
1	DBINET.UPS		DBIFORMS_DEVELOP	
5	DBINET.LOGIN		DBIFORMS_DEVELOP	
31	DESIGNBAIS.GL.LIVE		DBIFORMS_DEVELOP	
11	DESIGNBAIS.GL.LIVENET		DBIFORMS_DEVELOP	
22	DESIGNBAIS.LIVE		DBIFORMS_DEVELOP	
12	DESIGNBAIS.LIVENET		DBIFORMS_DEVELOP	
23	DESIGNBAIS.PF.GL.LIVE		DBIFORMS_DEVELOP	
13	DESIGNBAIS.PF.GL.LIVENET		DBIFORMS_DEVELOP	
34	DESIGNBAIS.PF.LIVE		DBIFORMS_DEVELOP	
14	DESIGNBAIS.PF.LIVENET		DBIFORMS_DEVELOP	
25	DESIGNBAIS.SHR.LIVE		DBIFORMS_DEVELOP	
15	DESIGNBAIS.SHR.LIVENET		DBIFORMS_DEVELOP	
17	PULSE.GL.RELNET		DBIFORMS_DEVELOP	
30	PULSE.PF.GL.RELNET		DBIFORMS_DEVELOP	
19	PULSE.PF.RELNET		DBIFORMS_DEVELOP	
32	PULSE.REL		DBIFORMS_DEVELOP	
26	PULSE.RELNET		DBIFORMS_DEVELOP	
18	PULSE.SHR.RELNET		DBIFORMS_DEVELOP	

Note that there are now flags on the user file DBIUSERS for:

- Turn Logging On
- Timeout Message
- Code Editor Access
- Show Status Bar
- Log DBDS
- PIN Required
- Print Zoom
- Basic Library Files (for Checklist compile option)

Checklists

Checklists can now be refreshed. By this is meant that, on entry to a checklist page, any new elements, say new fields on a form that is already in the checklist, are automatically added to the checklist.

There is a *Checklist Page Summary* button to display the items that are on a checklist.

The screenshot shows a window titled "Checklist Page Summary" with a close button in the top right. Below the title bar, there are input fields for "Checklist" (value: 9), "Checklist Page" (value: 1), "Details of Change" (value: Demo Forms), and "Developer" (value: garb). A "Select File to Display" dropdown menu is open, showing a list of files including DBCLIENT, DBCOUNTRY, DBEQU, DBEXEC, DBFILES, DBIFORMS (highlighted), DBINET, DBIPARMS, DBIPROP, DBIREPORTS, DBISELECT, DBLIB, and DEMOCABINET. Below the dropdown is a table with columns "Cnt", "File", and "Description".

Cnt	File	Description
1	DBIPROP	DBCLIENT
2	DBIPROP	DBCOUNTRY
3	DBIPARMS	DBEQU
4	DBIPARMS	DBEXEC
5	DBIPARMS	DBFILES
6	DBIPARMS	DBIFORMS
7	DBIPARMS	DBINET
8	DBIPARMS	DBIPARMS
9	DEMOCABINET	DBIPROP
10	DEMOCABINET	DBIREPORTS
11	DEMOCABINET	DBISELECT
12	DBLIB	DBLIB
13	DBLIB	DBLIB
14	DBLIB	DBLIB
15	DBIFORMS	DBLIB
16	DBIPROP	DBLIB
17	DBCLIENT	DBLIB
18	DBCLIENT	DBLIB
19	DBIPROP	DBLIB
20	DBCLIENT	DBLIB
21	DBIPROP	DBLIB
22	DBCLIENT	DBLIB
23	DBIPROP	DBLIB
24	DBCLIENT	DBLIB
25	DBIPROP	DBLIB
26	DBCLIENT	DBLIB
27	DBIPROP	DBLIB
28	DBIPROP	DBLIB
29	DBIPROP	DBLIB
30	DBFILES	DBLIB
31	DBIPROP	DBLIB
32	DBCLIENT	DBLIB
33	DBIPROP	DBLIB
34	DBCLIENT	DBLIB

There is a *Create Release* option to allow a set of changes to be marked as belonging to a release, and updated with the release number, with a report.

A *Review Pages* option allows you to view all pages within a checklist.

The screenshot displays a software interface for managing checklists. At the top, there are buttons for 'Create a Checklist Update' and 'Lead a Checklist Update'. Below these, a checklist titled 'Enhancements for Release 7.7' is visible. A 'Review Checklist Pages' dialog box is open, showing a table of checklist items. The table has the following columns: Item, SRL, Page, Checklist Description, Page Description, Developer, Date Comm, Date Test, Date Tr, Final Rel, and Priority. The table contains 25 rows of data, with some rows highlighted in blue. The 'Final Rel' column shows various release numbers like '7.1.2.1', '7.1.2.2', and '7.1.2.26'. The 'Priority' column shows values like '101' and '20'.

Item	SRL	Page	Checklist Description	Page Description	Developer	Date Comm	Date Test	Date Tr	Final Rel	Priority
1	4	1	Enhancements for Release 7.7	Code Editor enhancements	garb	17/07/2017	17/07/2017	19/07/2017	7.1.2.1	101
2	4	2	Enhancements for Release 7.7	Allow include of style sheet via the Additional Script for	sg					
3	4	3	Enhancements for Release 7.7	Remove unused fields from DEIFORMS	sg	17/07/2017	17/07/2017	19/07/2017	7.1.2.1	
4	4	4	Enhancements for Release 7.7	Enhancements to Forms Designer	sg					
5	4	5	Enhancements for Release 7.7	DEBUGPAGE	sg					10
6	4	6	Enhancements for Release 7.7	DEHELPDESK account to be populated via checklist update	garb					
7	4	7	Enhancements for Release 7.7	Enhancements to Forms Designer	sg					
8	4	8	Enhancements for Release 7.7	Enhancements to Forms Designer	sg					
9	4	9	Enhancements for Release 7.7	Create auxiliary accounts alongside DE/NET on DEV machine						
10	4	10	Enhancements for Release 7.7	Responsive Design						101
11	4	11	Enhancements for Release 7.7	Access Control on User Groups Maintenance (Issue 122)						20
12	4	12	Enhancements for Release 7.7	Review Licence Checking (Issue 104)						
13	4	13	Enhancements for Release 7.7	Forms Designer - allow sort on Field List form (Issue 228)						
14	4	14	Enhancements for Release 7.7	Forms Designer-Caps/Replace Field	sg					
15	4	15	Enhancements for Release 7.7	Do not update the Glossary when in Forms Designer test mode	sg	12/12/2017	12/12/2017	12/03/2018	7.1.1.1	
16	4	16	Enhancements for Release 7.7	Define position of modal form (Issue 205)						
17	4	17	Enhancements for Release 7.7	DBREPORTHEADER.LTR modification for sub-element reports	sg					
18	4	18	Enhancements for Release 7.7	Paging Mechanism for ORRs and Grids (Issue 232)	sg	01/09/2017	02/09/2017	22/09/2017	7.1.2.26	
19	4	19	Enhancements for Release 7.7	Report Designer summary flag (Issue 258)	sg					
20	4	20	Enhancements for Release 7.7	Report Designer to use class (Issue 185)	sg					
21	4	21	Enhancements for Release 7.7	Report Designer field list option (Issue 239)	sg					
22	4	22	Enhancements for Release 7.7	Report Designer create true via files (Issue 222)	sg					
23	4	23	Enhancements for Release 7.7	Handson Field Check	sg	12/12/2017	12/12/2017	12/03/2018	7.1.1.1	
24	4	24	Enhancements for Release 7.7	Colors Added to Pie Charts	sg	12/12/2017	12/12/2017	12/03/2018	7.1.1.1	
25	4	25	Enhancements for Release 7.7	Display Common Variables from a button on a form	garb	10/04/2018	19/04/2018	21/04/2018	7.1.2.2	

Use the *Select Filter* option to exclude completed tasks. You can also filter the display by *Developer* and you can optionally display the Full Description.

Cnt	SRL	Page	Checklist Description	Page Description	Developer	Date Comm	Date Test	Date Trf	Final Rel	Priority
1	4	2	Enhancements for Release 7.7	Allow include of style sheet via the Additional Script for Enhancements to Forms Designer	legj					
2	4	4	Enhancements for Release 7.7	Display all reads on a form. Show field that triggers the read steps, common variable that read populates, read group. Have a group of fields - either allow multiple fields to be clicked, or less than. Delete a group of fields. Or a new function to allow selection of a group of fields then request action to either move, delete, change section. Allow change of field type. Option to display Field List in DFR to allow sorting on any column. No update from this.	legj					
3	4	5	Enhancements for Release 7.7	DBUNPACK form your ALLOW CLEAR into a control item with a list of accounts where: - DBUNPACK is allowed (DBNET, DBNET.DEMO & DBLOGIN) - The data reset is allowed (DBHELPODESK) - Program and DFR update allowed (DBHELPODESK) - it could then run the other routine. Do you think we are smart enough to detect the database is iOS to avoid errors in the input? Perhaps validation after they are entered.	legj					10
4	4	6	Enhancements for Release 7.7	DBHELPODESK account to be populated via checklist update	gertb					
5	4	7	Enhancements for Release 7.7	Enhancements to Forms Designer Create a common variable to act as the control for section collapsing on a form to avoid the need to put a hidden work field on a form for such purposes.	legj					
6	4	8	Enhancements for Release 7.7	Enhancements to Forms Designer Change DesignBasis so that the 'Field Disabled' setting applies regardless of the values in DBENABLEFIELD. In effect the 'Field Disabled' setting would always override. If the developer wants to control enable/disable then do not set 'Field Disabled' and set DBENABLEFIELD in the basic code.	legj					
7	4	9	Enhancements for Release 7.7	Create auxiliary accounts alongside DB.NET on DEV machine Configure DBNET, DBNETLOGIN, DBNET.DEMO & DBNETHELPODESK on BR.DEV.						
8	4	10	Enhancements for Release 7.7	Responsive Design Add functionality to DesignBasis for Responsive Design Access Control on User Groups Maintenance (Issue 123) On a system with lots of forms and reports the Access Control feature on the DBSGROUPS form D10 produces a large on form report of all menu options. This makes maintenance difficult. In order to add one item to a favourites list it is necessary to wade through all menu descriptions looking for the one required option. We need the Access Control button to open a form that allows selection of form Type, Category and Sub Category, such that the access control report is then filtered to only show the selected Type, Category and Sub Category forms and reports. Probably more important is to have a refine option on the selection screen in menu pages Form Tools etc. to not come						
9	4	11	Enhancements for Release 7.7							

Click the Page or Page Description row to maintain that checklist page.

The screenshot shows a 'Checklist Page' dialog box with the following details:

- Checklist Page:**
 - Software Request: 4
 - Checklist Page: 7
- Details of Change:** Enhancements to Forms Designer
- Full Description:** Create a common variable to act as the control for section collapsing on a form to avoid the need to put a hidden-work field on a form for such purposes.
- Developer:** legj
- Patch to Release No:** 7.1.2.23
- For Release No:** (empty)
- Date Completed:** (empty)
- Date Tested:** (empty)
- Tested By:** (empty)

There is now direct access to the DesignBAIS Tools and Code Editor from *Checklist* form A10

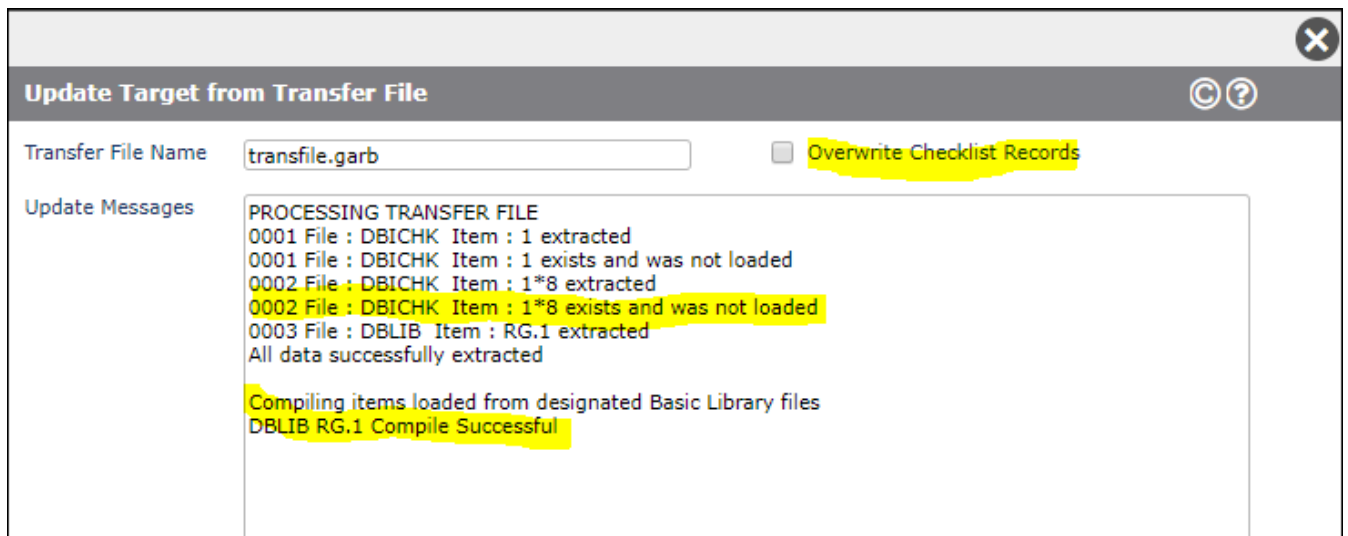
Click in the required row then click the column header process *Item*. A basic subroutine will be opened in Code Editor. A form will be opened in Forms Designer.

A Checklist update transfer file can now optionally compile basic routines on load.

Users with Code Editor Access can now enter a list of Basic Library Files on their user record.

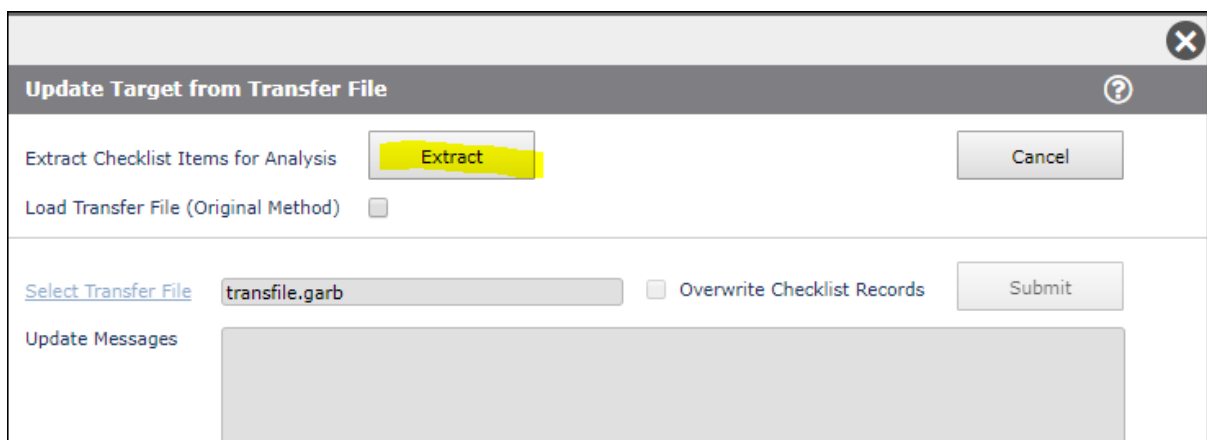
The list of basic files will be displayed in the *Create Checklist Transfer File* form:

Click the *Compile On Load* checkbox to activate the compile on load function:

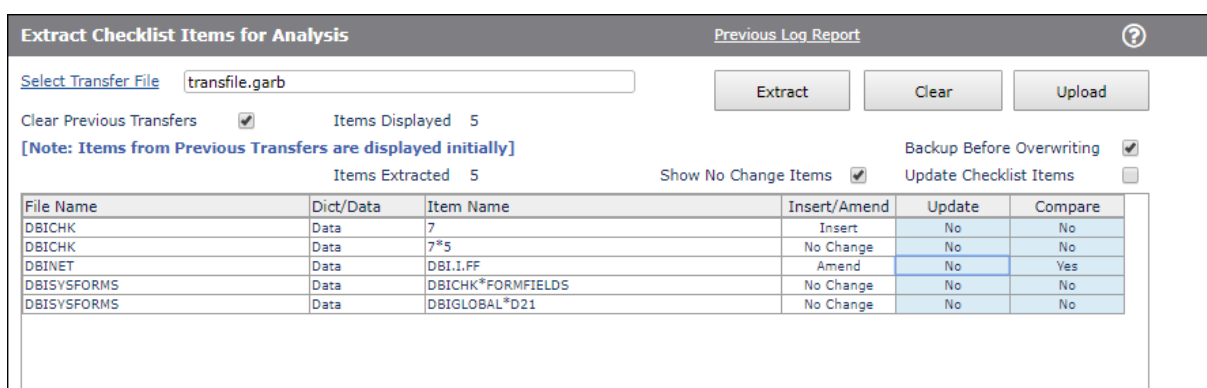


Note also that the Checklist record will only update the target DBICLK file if the *Overwrite Checklist Records* checkbox is clicked when loading the transfer file. In the example above the checklist record 1*8 is extracted but not loaded.

There is a new *Extract Checklist Items for Analysis* feature when loading a checklist transfer file. This feature allows you to review the contents of the transfer file before updating the target environment.



The following form will display:



After selecting the name of the Transfer file (there is now a lookup) click the *Extract* button. Note that prior to clicking *Extract* the contents of the previously loaded and extracted transfer file is displayed. This is to allow you to load multiple transfer files if necessary, prior to extracting the items for analysis. The *Clear Previous Transfers* checkbox is ticked by default and therefore previous transfers are removed when you click *Extract*.

The *Show No Change Items* checkbox controls whether extracted items from the transfer file that match the same item in the target environment are displayed. Normally you do not need to see these since the *Install* procedure will only install items that are flagged with *Update* set to *Yes* and matching items will have *Update* set to *No* (it is not necessary to update an item with a matching item from the transfer file!).

You can compare an item before installing it if required. Click the required row in the *Compare* column.

The *Backup Before Overwriting* checkbox is on by default. When set the target items in the target environment are backed up to DBIBACKUP prior to being overwritten with the item from the transfer file.

Entity Security

There is a new *Defined Members Access Report* which displays all entity security settings for one or all Entity Security definitions. The on-form report can be sorted on any column allowing you to review the access restrictions for any or all users in one go.

The screenshot shows the 'Entity Member Code Security Definition' interface. At the top, there's a search bar for 'Entity Name' with 'TestCompany' entered and a 'Security by Executive' dropdown. Below this, there are sections for 'Non-defined members' and 'Defined members'. The 'Defined members' section is highlighted with a yellow box and contains a table with columns: 'User Group(s)', 'Group Name', and 'Access Level'. Below this, there's a 'Defined Members Access Report' section, also highlighted with a yellow box, which contains a table with columns: 'Entity Description', 'Insurer', 'Cnt', 'Entity Definition', 'Entity Parent File', 'Group Code', 'Group Name', 'User Code', 'User Name', 'Entity Member', 'Entity Description', 'Entity Access Level', and 'All Users Access'.

Entity Description	Insurer	Cnt	Entity Definition	Entity Parent File	Group Code	Group Name	User Code	User Name	Entity Member	Entity Description	Entity Access Level	All Users Access
7	DIVISION	BKDIVISION	Developers	Development Grp					COM	Commercial	W	N
13	DIVISION	BKDIVISION	Developers	Development Grp					DDM	Domestic	W	N
21	DIVISION (def)	BKDIVISION										N
22	COBR (def)	CCCOBR									W	N
23	POLICYCLASS (def)	BKPOLCLASS									W	N
8	DIVISION	BKDIVISION			arcs	Shari Andrews			COM	Commercial	W	N
14	DIVISION	BKDIVISION			arcs	Shari Andrews			DDM	Domestic	W	N
11	DIVISION	BKDIVISION			armj	Jim Armstrong			COM	Commercial	W	N
17	DIVISION	BKDIVISION			armj	Jim Armstrong			DDM	Commercial	W	N
9	DIVISION	BKDIVISION			cars	Bulent Can			COM	Commercial	W	N
16	DIVISION	BKDIVISION			cars	Bulent Can			DDM	Domestic	W	N
20	INSURER	BKINSURER			debraa	Debraa			DURDOM	N	W	N
24	INSURER (def)	BKINSURER			debraa	Debraa					W	N
1	EXECUTIVE	BKEXEC			andaimm	andaimm			D	No Description	N	W
2	EXECUTIVE	BKEXEC			andaimm	andaimm			M	No Description	N	W
3	EXECUTIVE	BKEXEC			andaimm	andaimm			MARL	No Description	N	W
4	EXECUTIVE	BKEXEC			andaimm	andaimm			MG	No Description	N	W
5	EXECUTIVE	BKEXEC			andaimm	andaimm			MS	No Description	N	W
6	EXECUTIVE	BKEXEC			andaimm	andaimm			TEST	No Description	N	W
12	DIVISION	BKDIVISION			legl	Jan Legg			COM	Commercial	W	N
18	DIVISION	BKDIVISION			legl	Jan Legg			DDM	Domestic	W	N
19	DIVISION	BKDIVISION			marc	Andrew Harris			COM	Commercial	W	N
15	DIVISION	BKDIVISION			marc	Andrew Harris			DDM	Domestic	W	N
19	DIVISION	BKDIVISION			spa	Shari Andrews			DDM	Domestic	W	N

Global Parameters

All parameters are now maintained via forms accessed from the *Global Parameters* option on the Tools Menu.

