



M3 Metadata Publisher User Guide

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		Updated M3 Metadata Publisher Client UI
		Added Viewing Source Code
		Viewing Annotation Report
		Comparing Source Codes
		Viewing Function Parameter
		Viewing MI Transactions
		MI Transaction Search Details
		MI Transaction Search Result
		Searching by MI Transaction
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		Added Page display settings M3 Metadata Publisher Client UI
		Added Appendix M3 Metadata Publisher Limitations
MDPUG-9200UWA-01	201205	Updated for version 9.2.0.0
		Added Search by Text
		Text Search Details
		Using Basic Text Search
		Updated Using Export to Excel File Button
MDPUG-9100UWA-01	201111	Updated for version 9.1.0.0

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- ["Intended Audience" on page 9](#)
- ["M3 Metadata Publisher Task Overview" on page 9](#)

M3 Metadata Publisher Overview

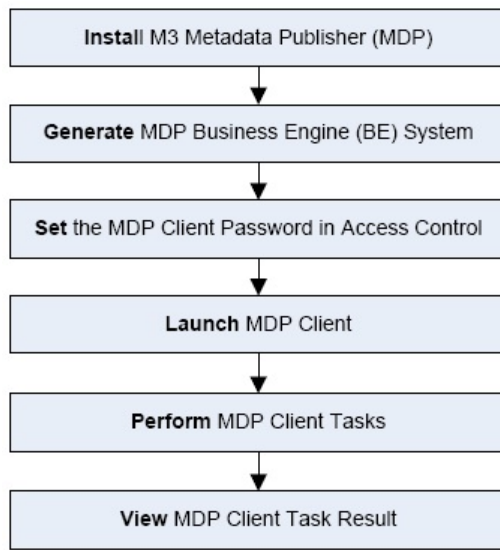
The M3 Metadata Publisher(MDP) is a tool used to explore M3-related metadata with its files (tables), fields (columns), and the relations between files-programs and program-files. MDP can generate and show metadata for the unique M3 Business Engine customer installation. These metadata are based on the Standard, Market and Customer installed components.

Intended Audience

The typical users of the M3 Metadata Publisher are business consultants, partners, and customers. These users can browse M3 Business Engine (BE) tables, columns, and program relationships using M3 Metadata Publisher.

M3 Metadata Publisher Task Overview

The following diagram describes the minimum required tasks to be able to use MDP.



- ["Log in to M3 Metadata Publisher Client" on page 11](#)
- ["M3 Metadata Publisher Client UI" on page 12](#)
- ["Search Results " on page 15](#)

Log in to M3 Metadata Publisher Client

Use these procedures to log in to MDP through LifeCycle Manager or a web browser.

Before you start Make sure that the Application Server for MDP is started.

Log in through LifeCycle Manager

- 1 Log on to LifeCycle Manager.
- 2 Select and right-click on M3 Metadata Publisher.
- 3 Select MDP Admin > MDP Client.
The MDP login page opens on a browser.
- 4 On the MDP client login page, type your password.
For more information, see *Setting a Client Password* section in the *M3 Metadata Publisher Administration Guide*.
- 5 Click Sign in.
The MDP opening page is displayed.
For more information, see ["M3 Metadata Publisher Client UI" on page 12](#).

Log in through a web browser

- 1 Open a web browser.

- 2 Type the URL of M3 Metadata Publisher client following the format:

http://*ServerName:Port/mdp/*

For example: **http://10.20.30.40:1234/mdp/**

The MDP login page opens on a browser.

- 3 On the MDP client login page, type your password.

For more information, see Setting a Client Password section in the *M3 Metadata Publisher Administration Guide*.

- 4 Click Sign in.

The MDP opening page is displayed.

For more information, see "[M3 Metadata Publisher Client UI](#)" on page 12.

M3 Metadata Publisher Client UI

When MDP Client is started, the main interface displays a standard view with the following features:

Tabs

Located in the left pane, use these tabs to access MDP Client tasks.

Tab	Description
Search	<p>Click to select MDP search types:</p> <ul style="list-style-type: none">• Search by System Configuration• Search by Component• Search by MI Transaction• Text Search <p>For more information, see "Client Tasks" on page 18.</p>
Compare	<p>Click to compare two MDP BE systems based on your selected compare options. The Search result is displayed as a new tab in the right pane.</p> <ul style="list-style-type: none">• Compare MDP Tables• Compare MI Programs <p>For more information, see "Comparing MDP Tables" on page 82.</p>

Tab	Description
Export	<p>Click to access the two export options. You can click to expand these options and choose to save, or to export to Excel.</p> <ul style="list-style-type: none"> Export by System Configuration - Select to export to an Excel file the programs, tables, and MI Programs of a selected MDP BE system. You have the option to open or save the Excel file. For more information, see "Exporting by M3 BE System Configuration" on page 84. Export by Comparison - Select to export a comparative table of two MDP BE Systems. For more information, see "Exporting by Comparison" on page 85.
Settings	<ul style="list-style-type: none"> Settings <ul style="list-style-type: none"> Language Code - set the Language code to use. For example, GB for English, SE for Swedish, or NO for Norway. Note: The available languages are generated from the applied languages on the MNE folder of the M3 Business Engine installation. Page size - set the page size to display. The minimum setting is 100 rows per page. Content proposal - toggle the use of Content Proposal in applicable fields. When enabled, open fields will display suggested match as you type. This is not applicable to search strings using wild character asterisk (*). Search history - option to clear MDP Client search history. Help - opens the User Guide help feature window. Help is also available in Text Search tab. Click on the question mark (?) icon beside the Keywords field. About - opens the copyright and product information window.

Control Functions

Use these icons to access the MDP Client UI functions.

Icon	Description
Session navigation	Arrow pointing down. Located in the left pane alongside the tabs, use this to retrace your search result actions.
Sign Out	Click on the exit icon beside the words "Sign out" to properly log off from your MDP Client program.

Search task field definitions

The Search feature in MDP Client allows you to select the search type to use and define the corresponding fields. Refer to the table below for fields description.

Note: MDP saves your selected M3 BE System, BE Installation, and Language code on last login.

For more information, see ["Client Tasks"](#) on page 18.

Field/Option	Description
Keywords -or- Program name	<p>Use this field to type your search query. You can use alphanumeric characters (A-Z,a-z), blank space, hyphen, colon, or underscore.</p> <p>You can use the wildcard character * (asterisk) in place of an unknown string. For example, if you search for "b*d" there will be hits for "ABCD", "bed" and "abd-001".</p> <p>Note: When you select Text Search, you must also select a search method to use: Basic, Phrase, or Advanced.</p>
Select MDP BE System	<p>This open text field allows you to select the MDP BE System where to perform Search.</p> <p>A default M3 BE selection is displayed.</p>
MDP BE System information	Represented by an information (i) icon beside the Select MDP BE System field, use this to display more details about your selected MDP BE System.
Containing method/keyword	Similar to Keywords field, use this for a more specific method contained when you select Search by Component.
Select Entity	Select one or more entities to use on your search. The list of available entities vary depending on your selected Search option to use.
More Options	Click on this link to show advanced search options. The selections here change depending on your selected Search option to use.

Field/Option	Description
Search	After you define the required task information, click on this icon to invoke search.

Search Results

When you perform an MDP Client task, the Search Results tab opens in the right pane.

For more information, see "[Client Tasks](#)" on page 18..

Search Compare Export Settings

Search By System Configuration

Keywords:

Select MDP BE System:

Select Entity:

- ☒ Program
- ☐ Parameter List
- ☐ Data Structure
- ☐ Output File
- ☐ Reference Field
- ☒ Table
- ☐ Table Column
- ☐ Table Index
- ☐ Util
- ☐ All

[More Options](#)

Select Component:

Select Category:
















Search Limit:

Program Filter:




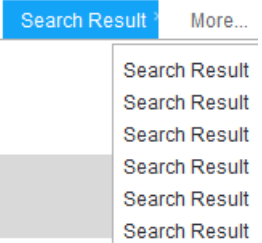
Search Result


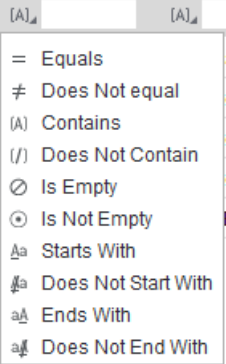
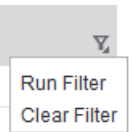
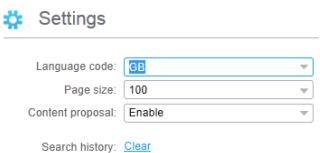

Keyword: 'CONO' | Search by System Configuration in: 'M3BE_15.1.0_MVX'

Program (5) Table (1)

Program name	Description	Component	Category	Bookmark	Bookmark Pa...	Source Code
[A]_	[A]_	[A]_	[A]_	[A]_	[A]_	[A]_
MCLCEQ	Calculate econo.orderqty max-stock	MVX	Fnc	No	No	  
MMS620	Max-stock and econo.orderqty - sele	MVX	Lst	No	No	  
MMS621	Max-stock and econo.orderqty - prin	MVX	Lst	No	No	  
MMS621CL	Max-stock and econo.orderqty - CAI	MVX	Lst	No	No	  
MTS050	MCLCEQ - Economical order Q ar	MVX	Tst	No	No	  

Here is a table list of the Result tab components with description:

Component	Description
<p>Tab Header</p>  <p>Indicates the following information:</p> <ul style="list-style-type: none"> Search query - enclosed in single quotes ('), in this example, the text 'CONO'. Search method - in this example, Search by System Configuration. Selected BE Installation/System - enclosed in single quotes (') shows where the indexed search was executed. 	
	<p>Indicates your selected entity and the total number of results matching your query.</p> <p><i>Type of System Element: Total match</i></p> <p>Click <i>Type of System Element</i> to display the results by type or by available relation information.</p> <p>Note: You can drill down the table rows to view more matching results by Program.</p> <p>Use the session navigation icon in the left pane for your history views.</p>
	<p>Lock tab icon</p> <p>By default a tab is unlocked. When you perform a new search, the current tab is replaced with the result of your new search.</p> <p>Lock the current tab to display subsequent search results in new tabs.</p>
	<p>List All tabs</p> <p>Click More... to display a list of active tabs and select which tab to display.</p>

Component	Description
	<p>Export to Excel icon</p> <p>Click to export applicable tables or program search results to Excel.</p> <p>For more information, see "Using Export to Excel File Button" on page 84.</p>
	<p>Sort icon</p> <p>Use the Sort icon to arrange the results, alphabetically or numerically for each column, depending on the column property.</p> <p>Filter options</p> <p>Lists the available filter options for your search result table.</p> <p>Type a free text filter in each column and select a filter condition from this list.</p> <p>To execute your filter definitions, select Run Filter in the filter menu located in the right most side of the pane.</p>
	<p>Filter Menu</p> <ul style="list-style-type: none"> • Run Filter - select to execute your filter definitions. • Clear Filter - select to clear your filter definitions.
<p>Page Size setting:</p>  <p>Status of page display:</p> 	<p>Table Paging</p> <p>From the Settings menu, set the Page size in terms of number of rows to display in a page.</p> <p>The status at the bottom of the screen shows the number of rows and the number of pages displayed in a given total.</p> <p>Click the forward and back arrows to navigate through the pages. The minimum setting is 100 rows per page.</p>

- ["Viewing System Information" on page 18](#)
- ["Searching by System Configuration" on page 22](#)
- ["Source Codes and Annotation Report" on page 37](#)
- ["Viewing Relation Information" on page 39](#)
- ["Viewing Program Relation Information" on page 39](#)
- ["Viewing Table and Column Relation Information" on page 50](#)
- ["Viewing Parameter List Relation Information" on page 59](#)
- ["Viewing Data Structure Relations Information" on page 61](#)
- ["Viewing Output Files Relation Information" on page 63](#)
- ["Viewing Util Relations Information" on page 66](#)
- ["Searching by Component" on page 69](#)
- ["Search by Text" on page 72](#)
- ["Search by MI Transaction" on page 79](#)
- ["Comparing MDP Tables and MI Programs" on page 82](#)
- ["Exporting M3 BE System Information" on page 83](#)

Viewing System Information

- ["Viewing MDP BE System Information" on page 19](#)

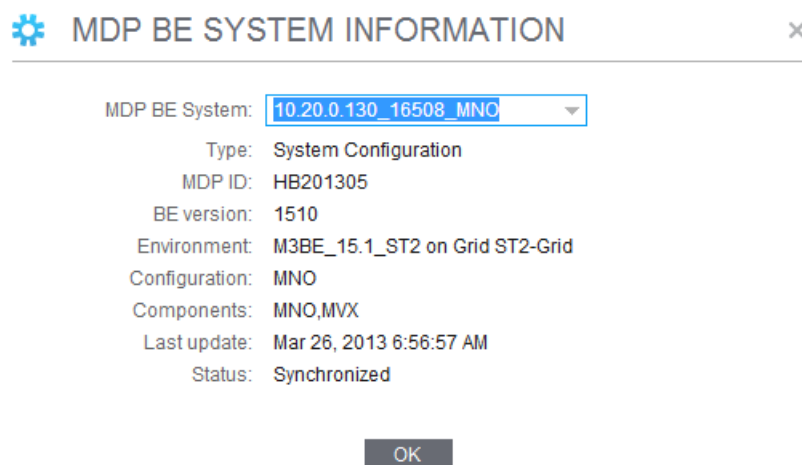
Viewing MDP BE System Information

Use this procedure to verify the MDP BE System information when searching by System Configuration or by Component.

To view by System Configuration

- 1 On the Search tab, click Search By System Configuration.
- 2 Select an MDP BE System to use.
- 3 Click the information icon beside the Select MDP BE System field.

The MDP BE System information window is displayed.



- 4 Verify the following information applicable to your selected MDP BE system.


Information	Description
MDP BE System	<p>Lists all available M3 BE Installation and MDP System in MDP Client.</p> <p>Standard base M3 BE system that comes with the installation of the M3 Metadata Publisher and all other BE system metadata generated using LifeCycle Manager.</p> <p>Aside from the Base, the naming pattern for the generated MDP BE System for System Configuration is:</p> <p><BE_Server_IP>_<BE_Env_Port>_<BE_System_Configuration></p> <p>For example: 172.30.80.93_16666_MARCONF</p> <p>Note: You can select another MDP BE system to view.</p>
Type	Method used to generate the BE system metadata, by system configuration or by component.
MDP ID	ID assigned to the MDP client version.
BE version	System metadata BE version.
Environment	LCM environment where MDP is installed.
Server	Server where the component is installed.
Configuration	<p>Configuration used in the MDP BE system.</p> <p>For example: MVX</p>
Components	<p>List of system configuration components.</p> <p>For example: MVX, MAR, MDK</p>
Last update	The date and time when the BE system was last updated in LifeCycle Manager.
Status	<p>Status of the BE system metadata files, if synchronized or not synchronized.</p> <p>You should always check if the metadata files are updated and synchronized to ensure that new files or fixes are applied in the BE environment.</p>

5 Click OK to close the window.

To view by Component

- 1 On the Search tab, click Search By System Configuration.
- 2 Select an M3 BE Installation to use.
- 3 Click the information icon beside the Select M3 BE Installation field.

The M3 BE Installation information window is displayed.


MDP BE SYSTEM INFORMATION
×

MDP BE System: M3BE1510_10.20.29.184_16508
Type: Component
MDP ID: HB201305
BE version: 1510
Server: 10.20.29.184
Components: MNO
Last update: Mar 26, 2013 6:41:41 AM

OK

- 4 Verify the following information applicable to your selected MDP BE system.

Information	Description
M3 BE Installation	<p>Lists all available M3 BE Installation and MDP System in the MDP client.</p> <p>Standard base M3 BE system that comes with the installation of the M3 Metadata Publisher and all other BE system metadata generated using LifeCycle Manager.</p> <p>The naming pattern for the generated MDP BE System for Component and Text Search is:</p> <p>M3BE<BE_Version>_<BE_Server_IP>_<BE_Env_Port></p> <p>For example: M3BE1510_10.20.30.40_16666</p> <p>Note: You can select from the list and view another MDP BE Installation.</p>
Type	Method used to generate the BE system metadata, by system configuration or by component.
MDP ID	ID assigned to the MDP client version.

Information	Description
BE version	System metadata BE version.
Server	Server where the component is installed.
Components	List of system configuration components. For example: MVX , MAR , MDK
Last update	The date and time when the BE system was last updated in LifeCycle Manager.
Status	Status of the BE system metadata files if synchronized or not synchronized. You should always check if the metadata files are updated and synchronized to ensure that new files or fixes are applied in the BE environment.

5 Click OK to close the window.

Searching by System Configuration

- ["Search by System Configuration Details" on page 23](#)
- ["Searching for M3 BE Entities" on page 26](#)
- ["Searching for Program" on page 27](#)
- ["Searching for Parameter List" on page 28](#)
- ["Searching for Data Structure" on page 29](#)
- ["Searching for Output File" on page 30](#)
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- ["Searching for Table Index" on page 33](#)
- ["Searching for Util" on page 34](#)
- ["Searching for Reference Fields" on page 35](#)
- ["Setting the Advanced Search Filter by System Configuration" on page 37](#)

Search by System Configuration Details

Accessed from the Search tab in the left pane, Search by System Configuration contains the following features and fields:

System Configuration fields

These options allow you to perform search on M3 BE by System Configuration.

Fields	Description
Keywords	<p>This open text Keyword field is auto complete. Here you type the name or description associated with the program you are searching for using alphanumeric characters, space, hyphen, colon, or underscore.</p> <p>You can also use a wildcard (*) at the beginning, middle, or end of the keyword. Search will look for a match based on your keyword and the position of the wildcard.</p>
Select MDP BE System	<p>This open text M3 BE field is auto complete. Use this to select the M3 BE System where to execute the search. A default M3 BE selection is displayed.</p> <p>Note: MDP saves your selected MDP BE System on last login.</p> <p>For more information, see "Viewing MDP BE System Information" on page 19..</p> <p>To vie MDP BE information - click on the MDP BE information (i) icon to display more details about your selected M3 BE System.</p>
Search	<p>After you define the required task information, click this to perform the search.</p>

M3 BE entities

Select an entity or a combination of entities for your M3 BE by System Configuration. By default, the Program and Table entities are selected.

In the right pane, the Search Result tab displays the result. By default the table lists 500 data match. On the bar at the top, the information on *Entity: Number of matches* is shown.

Drill down on any available data in the list to view more data relational information. The column and data listings vary according to your selected entity, see the table below:

Entity	Description
Program	This selection displays matching data for program entities. Program entity can be selected in combination with Table entity.
Parameter List	Shows data match for parameter list entities.
Data Structure	Shows data match for data structure entities.
Output File	Shows data match for output file entities.
Table	Shows data match for table entities. Table entity can be selected in combination with Program entity.
Table Columns	Shows data match for table column entities.
Table Index	Shows data match for table index entities.
Util	Lists indexes matching util entities.
Reference Field entity	Shows data match for reference field entities.

System Configuration Advanced Search

Click the link to **More Options** and refer to the field definitions here for M3 Business Engine (BE) system and version advanced filtering.

Fields	Description
Select Component	Select a component corresponding to your selected MDP BE system.
Select Category	List of categories corresponding only to Program, Table, or Program and Table M3 BE entities. This is not available to other entities in the list. <ul style="list-style-type: none">For Programs, use Program category list:For Tables, use Table category list

Fields	Description
Program Filter	<p>Select the option appropriate to your required program filter.</p> <ul style="list-style-type: none"> • With Bookmark - filters bookmark-enabled programs only. • With Bookmark Parameter - filters bookmark parameter-enabled programs only. • With Bookmark and Bookmark Parameter - filters both bookmark enabled and bookmark parameter-enabled programs. • Function Programs - filters function programs only. • MI Programs - filters MI programs only.
Search Limit	<p>Set the result limit from a range of 100 to 10000 with an interval value of 100 for the first 1000. By default the search result displays the first 500 data match.</p> <p>For volume data, processing may take time, it is recommended that you consider setting the search limit.</p>

Program category list:

Api	API
Asj	Autostart job
Cnv	Conversion programs
Dsp	Inquiry programs
Fix	Fix programs
Fnc	Functions
Lst	Lists
Mnt	Maintenance programs
Pl	Parameter list
Ptf	PTF programs
Sr	Copy subroutines
Tb	Table
Tst	Test programs
Wrk	Work with programs

Table category list

DS	Data structures
HF	History file
JD	Join Dynamics
MF	Master data file
SF	System file
TF	Transaction file
WF	Work file

Searching for M3 BE Entities

Use this procedure to search for M3 BE entities by system configuration:

1 Access the Search tab and select **Search By System Configuration**.

2 Type the Keyword to search.

3 Select an MDP BE System to use.

For more information, see "[System Configuration fields](#)" on page 23..

4 Select an M3 BE entity to use.

For more information, see "[M3 BE entities](#)" on page 23..

5 Click the link to **More options** and set the advanced search filter options.

For more information, see "[System Configuration Advanced Search](#)" on page 24..

6 Select a Component.

7 Select a Category.

This option is available only to Program or Table entity.

8 Set a Search Limit.

9 Select a Program Filter.

- With Bookmark - filters bookmark-enabled programs only.
- With Bookmark Parameter - filters bookmark parameter-enabled programs only.
- With Bookmark and Bookmark Parameter - filters both bookmark enabled and bookmark parameter-enabled programs.
- Function Programs - filters function programs only.

- MI Programs - filters MI Programs only.

10 Click Search.

In the right pane, the Search Results tab displays a list of matching entries based on your search criterion and other relational information corresponding to your selection. On the bar at the top, it shows *Selected entity: Number of matches*.

11 Use the following options to manage your results:

- To sort the results alphabetically or numerically, click the Sort icon on the column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

12 To view relation information, click on a system element name.

For more information, see "[Viewing Relation Information](#)" on page 39..

Searching for Program

Use this procedure to search for programs of M3 Business Engine (BE) system by system configuration.

1 On the Search tab, select Search By System Configuration.

2 In the Keywords field, type a keyword to search.

3 Select an MDP BE System to use.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Program**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to **More Options** for additional search filter.

a Select a Component.

b Select a Category.

For more information, see "[Program category list](#):" on page 25.

c Select a Program Filter to use.

With Bookmark - to select only bookmark-enabled programs.

With Bookmark Parameter - to select only bookmark parameter-enabled programs.

With Bookmark and Bookmark Parameter - to select both bookmark-enabled and bookmark parameter-enabled programs.

Function Programs - to select only function programs.

MI Programs - to select only MI programs.

- d** Set the search limit. The default search limit is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity (Total match)*, and a data list with the following information is displayed:

Column Heading	Description
Program name	Name of the program.
Description	Description of the program.
Component	Component of the program.
Category	Category of the program.
Area	Area of the program.
Bookmark	To toggle bookmark enabled.
Bookmark Parameter	To toggle bookmark parameter enabled.
Source Code	Click the corresponding icon to view source code, view annotation report, or compare source codes.

7 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

8 To view program relations, click a Program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39..

Searching for Parameter List

Use this procedure to search for parameter list of M3 Business Engine (BE) system by system configuration.

- 1** On the Search tab, click Search By System Configuration.
- 2** In the Keywords field, type a keyword to search.

3 Select the MDP BE System.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Parameter**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

a Select a Component.

b Set the search limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Parameter List Name	Name of the parameter list.
Component	Components of the parameter list.

7 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

8 To view Parameter list, click an entity name.

For more information, see "[Viewing Parameter List Relation Information](#)" on page 59.

Searching for Data Structure

Use this procedure to search for data structure of an M3 Business Engine (BE) system by system configuration.

1 On the Search tab, click Search By System Configuration.**2** In the Keywords field, type a keyword to search.**3** Select an MDP BE System.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: Data Structure.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

- a** Select a Component from the list.
- b** Set the search limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Data Structure name	Name of the data structure.
Component	Components of the data structure.

7 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

8 To view data structure name, click an entity name.

For more information, see "[Viewing Data Structure Relations Information](#)" on page 61.

Searching for Output File

Use this procedure to search for output files of M3 Business Engine (BE) system by system configuration.

1 On the Search tab, click Search By System Configuration.**2 In the Keywords field, type a keyword to search.****3 Select the MDP BE System to use.**

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: Output Files.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

- a Select a Component.
- b Set the search limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Output file name	Name of the output file.
Description	Description of the output file.
Component	Components of the data structure.

7 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

8 To view Output file name, click an entity name.

For more information, see "[Viewing Output Files Relation Information](#)" on page 63.

Searching for Table

Use this procedure to search for tables and/or table indexes of M3 Business Engine (BE) system.

- 1** On the Search tab, click Search By System Configuration.
- 2** In the Keywords field, type a keyword to search.
- 3** Select the MDP BE System.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Table**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

- a Select a Component.

- b** Select a Category.

For more information, see "[Table category list](#)" on page 26.

- c** Set the search limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

- 6** Click Search.

On the Search Results tab, the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Table Name	Name of the table.
Description	Description of the table.
Component	Component of the table.
Category	Category of the table.

- 7** Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

- 8** To view table relations, click on a Table Name.

For more information, see "[Viewing Table and Column Relation Information](#)" on page 50.

Searching for Table Column

Use this procedure to search for table columns of M3 Business Engine (BE) system and version.

- 1** On the Search tab, click Search By System Configuration.

- 2** In the Keywords field, type a keyword to search.

- 3** Select the MDP BE System.

For more information, see "[System Configuration fields](#)" on page 23.

- 4** Select an entity: **Table Column**.

For more information, see "[M3 BE entities](#)" on page 23.

- 5** Click the link to More Options for additional search filter.

- a Select a Component.
- b Set the Search Limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Column Name	Name of the column.
Description	Description of the column.
Data type	Data type of the column.
Length	Length of the column.
Decimals	Decimals of the column.
Edit code	Edit code of the column.
Indexes	List of index names.
Parent table	Name of the Parent table of the column.
Component	Component of the column.

7 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

8 To view table relations, click a Parent Table name.

For more information, see "[Viewing Columns of a Parent Table](#)" on page 58.

Searching for Table Index

Use this procedure to search for table indexes of M3 Business Engine (BE) system and version.

- 1 On the Search tab, click Search By System Configuration.
- 2 In the Keywords field, type a keyword to search.

3 Select an MDP BE System to use.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Table Index**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

a Select a Component.

b Set the Search Limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity: Total match*, and a data list with the following information is displayed:

Column Heading	Description
Index Name	Name of the index
Unique	"Yes" indicates that the index is unique and there can only be one unique key for every table.
Parent table	Parent table of the index.
Component	Component of the index.
Key info	Option to view the keys of an index.

7 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

8 To view index relations, click View Index Keys.

For more information, see "[Viewing Index Keys](#)" on page 52.

Searching for Util

Use this procedure to search for Utils of M3 Business Engine (BE) system and version.

1 On the Search tab, click Search By System Configuration.

2 In the Keywords field, type a keyword to search.

3 Select an MDP BE System to use.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Util**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

a Select a Component.

b Set the Search Limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity:Total match* , and a data list with the following information is displayed:

Column Heading	Description
Util Name	Name of the Util
Component	Component of the Util.

7 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.
- To view index relations, click View Index Keys.

Searching for Reference Fields

Use this procedure to search for Reference Fields of M3 Business Engine (BE) system and version.

1 On the Search tab, click Search By System Configuration.

2 In the Keywords field, type a keyword to search.

3 Select an MDP BE System to use.

For more information, see "[System Configuration fields](#)" on page 23.

4 Select an entity: **Reference Field**.

For more information, see "[M3 BE entities](#)" on page 23.

5 Click the link to More Options for additional search filter.

a Select a Component.

b Set the Search Limit. The default value is 500.

For more information, see "[System Configuration Advanced Search](#)" on page 24.

6 Click Search.

On the Search Results tab, the *Entity:Total match*, and a data list with the following information is displayed:

Column Heading	Description
Reference Field	Name of the Reference Field.
Description	Description of the Reference Field.
Component	Component of the Reference Field.
Ext	Ext - Extension file of the Reference field
Type	Type - Type of the Reference field
Category	Category of the Reference field
Length	Length of the Reference field
Decimals	Decimal value of the Reference field
Add info length	Add info length value of the Reference field
Add info short length	Add info short length value of the Reference field
Heading	Heading value of the Reference field
Help ID	Help ID value of the Reference field
Constraints	Constraints value of the Reference field

7 Use the following options to sort and filter your results:

- TO sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.
- To view index relations, click View.

Setting the Advanced Search Filter by System Configuration

Use this procedure to set the advanced filtering of M3 Business Engine (BE) system and version.

- 1 On the Search tab, select Search By System Configuration.
- 2 Consider the System Configuration fields.
For more information, see "[System Configuration fields](#)" on page 23.
- 3 Click the link to More Options for additional search filter.
 - a Select a Component.
 - b Select a Category for Program or Table entities only.
For more information, see "[Program category list](#):" on page 25.
 - c Select a Program Filter to use.
With Bookmark - to select only bookmark-enabled programs.
 - d Set the Search Limit. The default is 500.
For more information, see "[System Configuration Advanced Search](#)" on page 24.
- 4 Click Search.
On the Search Results tab, the *Entity (Total match)* and other relational information corresponding to your search is displayed.

Source Codes and Annotation Report

- "[Viewing Source Code](#)" on page 37
- "[Viewing Annotation Report](#)" on page 38
- "[Comparing Source Codes](#)" on page 38

Viewing Source Code

Use this procedure to display the Java contents of a source code.

Before you start Complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Result tab, select a program to use.

- 2 In the same row, under the column Source Code, click on the single paper icon.

Note: A tool tip appears when you pause on an icon.

A new window displays the source code overview details.

- 3 Click on the link to **Download** the source code. You can open or save the source code .java file.

Viewing Annotation Report

Use this procedure to display the contents of an annotation report.

Before you start Complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Result tab, select a program to use.
- 2 In the same row, under the column Source Code, click on the vertical notepad icon.

Note: A tool tip appears when you pause on an icon.

A new window displays the annotation report overview details.

- 3 Click on the link to **Download** All report or Daily report. You can open or save the source code .java file.

Comparing Source Codes

Use this procedure to compare the Java contents of two source codes.

Before you start Complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Result tab, select a program to use.
- 2 In the same row, under the column Source Code, click on the paper stack icon.

Note: A tool tip appears when you pause on an icon.

A new window displays the compare overview details.

- 3 Select a file location to compare with and click Compare.

This compare file location is contained in your selected MDP BE System.

Your browser opens a comparative text of Java contents. Text differences between the two are highlighted.

Viewing Relation Information

- [Viewing Program Relation Information](#)
- [Viewing Table and Column Relation Information](#)
- [Viewing Parameter List Relation Information](#)
- [Viewing Data Structure Relations Information](#)
- [Viewing Output Files Relation Information](#)
- [Viewing Util Relations Information](#)

Viewing Program Relation Information

- ["Viewing Tables Used by a Selected Program" on page 40](#)
- ["Viewing Programs Used by a Selected Program" on page 40](#)
- ["Viewing Programs Using a Selected Program" on page 41](#)
- ["Viewing Parameter List Used by a Program" on page 42](#)
- ["Viewing Output Files Used by a Program" on page 42](#)
- ["Viewing Data Structure Used by a Program" on page 43](#)
- ["Viewing Panels of a Program" on page 44](#)
- ["Viewing Table Fields Used" on page 45](#)
- ["Viewing Record Fields Used" on page 45](#)
- ["Viewing Bookmark Tables of a Program" on page 46](#)
- ["Viewing Bookmark Parameter of a Program" on page 47](#)
- ["Viewing Util Used by a Program" on page 48](#)
- ["Viewing Function Parameter" on page 48](#)
- ["Viewing MI Transactions" on page 49](#)

Viewing Tables Used by a Selected Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, click on a Program name.

A new search result opens with the header *Program Relation Type: Total match..*

- 2 On the bar at the top, click **Tables used** to show the tables used by your selected program.

A new search result opens with the following information:

Column Heading	Description
Table Name	Name of the table used by your selected program.
Description	Description of the table used your selected program.
Usage	Function of the table used by your selected program: Read, Update, and/or Delete.

- 3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column to type a dynamic free text filter for each column.

- 4 To view table relations, click on a table name.

For more information, see "[Viewing Table and Column Relation Information](#)" on page 50.

Viewing Programs Used by a Selected Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, click on a Program name.

A new search result opens with the header *Program Relation Type: Total match.*

- 2 On the bar at the top, click **Programs used** to show the programs used by your selected program.

A new search result opens with the following information:

Column Heading	Description
Program name	Name of the program used by your selected program.
Description	Description of the program used by your selected program.

3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view program relations, click on a program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Programs Using a Selected Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

1 On the Search Results tab, click on a Program name.

A new search result opens with the header *Program Relation Type: Total match*.

2 On the bar at the top, click **Used by** to show the programs that are using your selected program.

A new search result opens with the following information:

Column Heading	Description
Program name	Name of the program using your selected program.
Description	Description of the program using your selected program.
Component	Component of program using your selected program.

3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.

- To filter the results, click the Filter icon in the last column to type a dynamic free text filter for each column.
- 4 To view program relations, click on a program name.
For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Parameter List Used by a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, click on a Program name.
A new search result opens with the header *Program Relation Type: Total match*.
- 2 On the bar at the top, click **Plist Used** to show the programs using your selected program.
A new search result opens with the following information:

Column Heading	Description
Parameter list name	Name of the parameter using your selected program.
Component	Component of program using your selected program.

- 3 Use the following options to sort and filter the results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.
- 4 To view program relations, click on a program name.
For more information, see "[Viewing Parameter List Relation Information](#)" on page 59.

Viewing Output Files Used by a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab pane, click on a Program name.

A new search result opens with the header *Program Relation Type: Total match*.

- 2 On the bar at the top, click **Output files used** to show the output files used by your selected program.

A new search result opens with the following information:

Column Heading	Description
Output file Name	Name of the output file used by your selected program.
Description	Description of the output file used by your selected program.

- 3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, click the Filter icon in the last column to type a dynamic free text filter for each column.

- 4 To view output file relations, click on an output file name.

For more information, see "[Viewing Output Files Relation Information](#)" on page 63.

Viewing Data Structure Used by a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, click on a Program name.

A new search result opens with the header *Program Relation Type: Total match*.

- 2 On the bar at the top, click **Data structure used** to show the data structures used by your selected program.

A new search result opens with the following information:

Column Heading	Description
Data structure Name	Name of the Data structure used by your selected program.
Description	Description of the Data structure used by your selected program.

- 3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
 -
- 4 To view program relations, click on a program name.
 - 5 To view data structure relations, click on a data structure name.

For more information, see "[Viewing Data Structure Relations Information](#)" on page 61.

Viewing Panels of a Program

Before you start You should complete a search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Results tab, click on a Program name.
A new search result opens with the header *Program Relation Type: Total match*.
- 2 On the bar at the top, click **Program panels**, to show all the panels used by your selected program.
A new search result opens with the following information:

Column Heading	Description
Panel Name	Name of the panel used by your selected program.
Description	Description of the panel used by your selected program.
Table field info	Table field info of the panel used by your selected program.

- 3 Use the following options to manage the results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, click the Filter icon in the last column to type a dynamic free text filter for each column.
- 4 To view table field relations, click View Table Fields Used.

For more information, see "[Viewing Table Fields Used](#)" on page 45..

Viewing Table Fields Used

Before you start You should complete a program search task. For more information, see "[Viewing Panels of a Program](#)" on page 44..

- 1 On the Search Results tab, select a Panel name.
- 2 Click on the column **View Table Fields Used**, to show all the table fields used.

A new search result opens with the following information:

Column Heading	Description
Table Fields Used (Column name)	Name of the fields used by your selected panel.
Description	Field description of your selected panel.
Parent table	Parent table name of the field. Click on this option to view the parent table relations.

Note: These results are generated from the program's view definition file.

The value of the *fieldHelp* entry for each program panel in the view definition file is compared to the table columns of tables used by the program.

The search result displays only the table columns matching the *fieldHelp* entries for program panels in the view definition file.

The System Tables (CSY*), table columns CONO (Company), and DIVI (Division) are not included in the results since most programs use these tables and columns.

- 3 Use the following options to manage the results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
- 4 To view table relations, click on a Parent Table name.

For more information, see "[Viewing Columns of a Parent Table](#)" on page 58..

Viewing Record Fields Used

Before you start You should complete a program search task. For more information, see "[Viewing Panels of a Program](#)" on page 44..

- 1 On the Search Result tab at the bottom, select a Panel name.
- 2 Click on the column **View Record Fields Used** across your selection to display all the record fields used.

A new search result opens with the following information:

Column Heading	Description
Field Name	Name of the record field used by your selected panel.
Type	Field type.
Length	Field length.
Decimals	Field decimals.
Reference file	Reference table name of field.
Reference field	Reference field.

Note: These results are generated from the value of *Record Field* for each program panel of the Program View Definition file.

- 3 Use the following options to manage the results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
- 4 To view table relations, click on a Reference file name.

For more information, see "[Viewing Columns of a Parent Table](#)" on page 58..

Viewing Bookmark Tables of a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Results tab, select a Program name.

A new search result opens with the header *Program Relation Type: Total match*.
- 2 On the bar at the top, click **Bookmark tables** to show all the bookmark tables used.

A new search result opens with the following information:

Column Heading	Description
Table Name	Name of the table used by your selected program.
Description	Description of the panel used by your selected program.

3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view table relations, click on a Table Name.

For more information, see "[Viewing Table and Column Relation Information](#)" on page 50..

Viewing Bookmark Parameter of a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

1 On the Search Results tab, select a Program name.

A new search result opens with the header *Program Relation Type: Total match*.

2 On the bar at the top, click **Bookmark parameters** to show all the bookmark tables used.

A new search result opens with the following information:

Column Heading	Description
Param	Parameter identifier corresponding to a field in the program or view def.
Type	Parameter type: ALPHA, NUMERIC, or DATE
Name	Name of the parameter.
Description	Purpose of the parameter.

3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- To view table relations, click on a Table Name.

For more information, see "[Viewing Table and Column Relation Information](#)" on page 50..

Viewing Util Used by a Program

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Results tab, select a Program name.

A new search result opens with the header *Program Relation Type: Total match*.

- 2 On the bar at the top, click **Util used** to show all Utils used.

A new search result opens with the following information:

Column Heading	Description
Util Name	Name of the util used by your selected program.
Component	Component of util using your selected program.

- 3 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- 4 To view table relations, click on a Table Name.

For more information, see "[Viewing Util Relations Information](#)" on page 66..

Viewing Function Parameter

Before you start Complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, select a Program name to use.

A new search result opens with the header *Program Relation Type: Total match*.

- 2 Click on the link to **Function parameters** header.

A new search result opens with the following information:

Column Heading	Description
Param List Name	Name of the function parameter used your selected program. When you click on a Param List name link, a new search result window opens. It displays the available parameter names for this Param List name .
Param List Type	Type of this parameter.
Param List Details	Details for this parameter.

- 3 Optional. You can click on the Export to Excel icon to save the table list to an .xsl file.

Viewing MI Transactions

Before you start You should complete a program search task. For more information, see "[Searching for Program](#)" on page 27.

- 1 On the Search Results tab, select a Program name to use.

A new search result opens with the header *Program Relation Type: Total match*.

- 2 Click on the link to **MI Transactions** header.

A new search result opens with the following information:

Column Heading	Description
Transaction Name	Name of the transaction used your selected program.
Description	Brief description of this program.
Inbound fields info Outbound fields info	Click on the link to view the inbound or outbound fields.

For more information, see "[Viewing MI Transaction Inbound or Outbound Fields](#)" on page 81.

- 3 Optional. You can click on the Export to Excel icon to save the table list to an .xsl file.

Viewing Table and Column Relation Information

- ["Viewing Columns Used by a Table" on page 50](#)
- ["Viewing Indexes of a Table" on page 51](#)
- ["Viewing Index Keys" on page 52](#)
- ["Viewing Index Conditions" on page 52](#)
- ["Viewing Tables with the Same Unique Keys" on page 53](#)
- ["Viewing Same Unique Keys" on page 54](#)
- ["Viewing Tables with Foreign Key Relation" on page 54](#)
- ["Viewing Programs of Importance Rank" on page 55](#)
- ["Viewing Foreign Key" on page 56](#)
- ["Viewing Programs Using a Table" on page 57](#)
- ["Viewing Function Programs" on page 57](#)
- ["Viewing Columns of a Parent Table" on page 58](#)

Viewing Columns Used by a Table

Before you start You should complete a table search task. For more information, see ["Searching for Table" on page 31..](#)

- 1 On the Search Results tab, select a Table name.
A new search result opens with the header *Table Relation Type: Total match.*
- 2 On the bar at the top, click **Table Column** to show all the columns used by your selected table.
A new search result opens with the following information:

Column Heading	Description
Column Name	Name of the column used by your selected table.
Description	Description of the column used by your selected table.
Data type	Data type of the column used by your selected table.
Length	Length of the column used by your selected table.
Decimals	Decimals of the column used by your selected table.

Edit Code	Edit Code of the column used by your selected table.
Index	List of index names for your selected table column.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Indexes of a Table

Before you start You should complete a table search task. For more information, see "[Searching for Table](#)" on page 31..

1 On the Search Results tab, click on a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

2 On the bar at the top, click **Table Index** to show all the indexes of your selected table.

A new search result opens with the following information:

Column Heading	Description
Index Name	Name of the index used by your selected table.
Unique	A "Yes" in this column indicates a unique index. There can only be one unique key for each table.
Key Info	Option to view index keys.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view index key relations, click View Index Keys.

For more information, see "[Viewing Index Keys](#)" on page 52..

Viewing Index Keys

Before you start You should complete a search task and display the search result for index relation information.

For more information, see "[Viewing Indexes of a Table](#)" on page 51.

- 1 On the Search Results tab, select an Index name.
- 2 On Key Info column, click **View Index Keys** to display all the keys of your selected index.

A new search result tab opens with the following information:

Column Heading	Description
Keys (Column name)	Name of the keys used by your selected index.
Description	Description of the keys used by your selected index.
Sort order	Ascending or Descending sort order of the keys used by your selected index.

- 3 Use the following options to sort and filter your results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Index Conditions

Before you start You should complete a table search task and display the search result for index relation information.

For more information, see "[Viewing Indexes of a Table](#)" on page 51.

- 1 On the Search Results tab, select an Index name.
- 2 On the Key Info column, click **View Index Conditions** to display all the keys of your selected index.

A new search result opens with the following information:

Column Heading	Description
Condition	Condition of your selected index.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Tables with the Same Unique Keys

Use this procedure to view all the tables containing unique keys similar to your selected table.

Note: The CONO and DIVI column keys are used by most of the BE tables. These keys are not included in the unique key comparison.

Before you start You should complete a table search task. For more information, see "[Searching for Table](#)" on page 31..

1 On the Search Results tab, select a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

2 On the bar at the top, click **Same unique keys** to display all tables containing unique keys similar to your selected table.

A new search result opens with the following information:

Column Heading	Description
Table Name	The table name with unique keys similar to your selected table.
Description	Description of the table with unique keys similar to your selected table.
Key Info	Option to view the same unique keys with this table name.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view more table relations, see [Viewing Table and Column Relation Information](#).**5** To view same unique keys, see [Viewing Same Unique Keys](#).

Viewing Same Unique Keys

Before you start You should complete a table search task and display the index relation information on the Search Result tab. For more information, see "[Viewing Tables with the Same Unique Keys](#)" on page 53.

- 1 On the Search Results tab, select a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the bar at the top, click **Same Unique Keys** to display all the tables containing your selected index.

- 3 On Key Info column, click **View Same Unique Keys** to view the same unique key.

A new search result named after your selected table to *Same Unique Keys*, opens with the following information:

Column Heading	Description
Same Unique Keys (Column name)	Name of the unique keys used by your selected table.
Description	Description of the keys used by your selected table.
Sort order	Sort order of the keys used by the table you selected. Ascending or Descending.

- 4 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- 5 You can also view table relations.

For more information, see "[Viewing Table and Column Relation Information](#)" on page 50..

Viewing Tables with Foreign Key Relation

Note: The CONO and DIVI column keys are used by most of the BE tables. These keys are not included in the unique key comparison.

Before you start You should complete a table search task. For more information, see "[Searching for Program](#)" on page 27..

- 1 On the Search Results tab, select a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the bar at the top, select **Foreign Keys** to display a list of selection with foreign keys used.

A new search result opens with the following information:

Column Heading	Description
Table Name	Name of the table used by your selected program.
Description	Description of the panel used by your selected program.
Importance Rank	Total number of programs with semantic importance relation between two tables. To view programs of importance rank relation, click the importance rank number. For more information, see " Viewing Programs of Importance Rank " on page 55..
Key Info	An option to view foreign keys. To view foreign keys relation, click View Foreign Keys . For more information, see " Viewing Foreign Key " on page 56.

- 3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Programs of Importance Rank

Use this procedure to view the importance rank of programs used by two tables in a specific pattern.

Before you start You should complete a table search task. For more information, see "[Searching for Table](#)" on page 31..

- 1 On the Search Results tab, select a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the bar at the top, select **Foreign keys** to display a list of selection with foreign keys used.
- 3 On Importance rank column, click the number corresponding to your selected table to view the programs with importance rank relation.

A new search result opens with the following information:

Column Heading	Description
Program Name	Displays the program name that is used by both tables.
Description	Description of the program.

4 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Foreign Key

Before you start You should complete a table search task. For more information, see "[Searching for Table](#)" on page 31..

1 On the Search Results tab, select a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

2 On the bar at the top, select **Foreign keys** to display a list of selection with foreign keys used.

3 On the Key Info column, click **View Foreign Keys** corresponding to your selected table to view.

A new search result opens with the following information:

Column Heading	Description
Foreign Key	Displays the foreign key column name
Description	Description of the panel used by your selected program.
Sort order	The order in which the foreign key view appears.

4 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Programs Using a Table

Before you start You should complete a table search task.

For more information, see "[Searching for Table](#)" on page 31..

- 1 On the Search Results tab, click a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the bar at the top, click **Program using** to display all programs using your selected table.

A new search result opens with the following information:

Column Heading	Description
Program Name	Name of the program using your selected table.
Description	Description of the program using your selected table.
Component	Component of program using your selected table.
Usage	Usage type of the program using your selected table: Read, Update, and/or Delete.

- 3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- 4 To view program relations, click a Program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39..

Viewing Function Programs

Use this procedure to view programs that has maintain, archive, and delete functions on a selected table.

Before you start You should complete a table search task.

For more information, see "[Searching for Table](#)" on page 31..

- 1 On the Search Results tab, click a Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the bar at the top, click **Function programs** to display the function programs for your selected table.

A new search result opens with the following information:

Information	Description
Maintained by pgm	Name on the function programs that is used to maintain data in a specific table.
Archiving function	Name on the function programs that is used to archive data in a specific table.
Mass Delete function	Name on the function programs that is used to delete all data in a specific table.

Viewing Columns of a Parent Table

Use this procedure to view all the columns that belong to the same parent table of a selected table column.

Before you start You should complete a table search task.

For more information, see "[Searching for Table Column](#)" on page 32..

- 1 On the Search Results tab, click a Parent Table name.

A new search result opens with the header *Table Relation Type: Total match*.

- 2 On the Parent table column, click on an item across the column name of your selection.

A new search result opens with the following information:

Column Heading	Description
Column Name	Name of the column used by your selected table.
Description	Description of the column used by your selected table.
Data type	Data type of the column used by your selected table.
Length	Length column used by your selected table.
Decimals	Decimals of the column used by your selected table.
Edit Code	Edit Code of the column used by your selected table.

Indexes

List of index names.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Parameter List Relation Information

- ["Viewing Fields Used in a Parameter List" on page 59](#)
- ["Viewing Programs Used by Parameter List" on page 60](#)
- ["Viewing Programs Using Parameter List" on page 60](#)

Viewing Fields Used in a Parameter List

Before you start You should complete a search task.

For more information, see ["Searching for Parameter List" on page 28](#).

1 On the Search Results tab, select a Parameter list name.

The search result header displays the *Table Relation Type: Total match*.

Column Heading	Description
Field Name	Name of the field table used by your selected program.
Type	Data type.
Length	String length.
Decimals	Decimals to display.

2 Use the following options to manage the results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.

- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

Viewing Programs Used by Parameter List

Before you start You should complete a search task.

For more information, see "[Searching for Parameter List](#)" on page 28.

- 1 On the Search Results tab, select a Parameter list name.

The search result header displays the *Parameter list Relation Type: Total match*. Additionally, the parameter fields used are also displayed.

- 2 On the bar at the top, select *Programs used*.

A new search result opens with the following information:

Column Heading	Description
Program Name	Name of the program.
Description	Brief description of the program.

- 3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- 4 To view program relations, click a Program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Programs Using Parameter List

Before you start You should complete a search task.

For more information, see "[Searching for Parameter List](#)" on page 28.

- 1 On the Search Results tab, select a Program name.

A new search result opens with the header *Parameter list Relation Type: Total match*. Additionally, the parameter fields used are also displayed.

- 2 On the bar at the top, select **Used by**.

A new search result opens with the following information:

Column Heading	Description
Program Name	Name of the program
Description	Brief description of the program
Component	Components of the program

- 3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

- 4 To view program relations, click a Program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Data Structure Relations Information

- "[Viewing Data Structure Fields Used](#)" on page 61
- "[Viewing Programs Using Data Structure](#)" on page 62

Viewing Data Structure Fields Used

Before you start You should complete a search task.

For more information, see "[Searching for Data Structure](#)" on page 29.

- 1 On the Search Results tab, select a data structure name.

The search result header displays the *Data Structure Relation Type: Total match*.

Column Heading	Description
Field Name	Name of the field table used by your selected program

Type	Data type
Length	String length
From	Source
To	Destination
Decimals	Decimals to display

2 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Programs Using Data Structure

Before you start You should complete a search task.

For more information, see "[Searching for Data Structure](#)" on page 29.

1 On the Search Results tab, select a data structure name.

The search result header displays the *Data Structure Relation Type: Total match* . In addition, the field name, type, length, from, to, and decimal information is displayed.

2 On the bar at the top, select **Used by**. The following information is displayed.

Column Heading	Description
Program Name	Name of program used by the selected item.
Description	Brief description of the program
Component	The program component

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view programs relations, click a Program name.

For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Output Files Relation Information

- ["Viewing Output Files Record Format" on page 63](#)
- ["Viewing Record Format Fields" on page 64](#)
- ["Viewing Output File Pages" on page 64](#)
- ["Viewing Page Fields" on page 65](#)
- ["Viewing Programs Using Output File" on page 66](#)

Viewing Output Files Record Format

Before you start You should complete a search task.

For more information, see ["Searching for Output File" on page 30](#).

- 1 On the Search Results tab, select an output file name.

The search result header displays the *Output file Relation Type: Total match*.

Column Heading	Description
Record Format Name	The name of the record format.
Stream	The record format stream.
Type	The record format type.
Record Format field info	Drill down to show the record format field information. You can also view the record format fields. For more information, see "Viewing Record Format Fields" on page 64 .

- 2 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Record Format Fields

Before you start You should complete a search task. For more information, see "[Viewing Output Files Record Format](#)" on page 63.

- 1 On the Search Results tab, under Record Format field info column, click **View record Format Fields** corresponding to the record you want to view.

A new search result opens with the following field information:

Column Heading	Description
Field name	The field name of your selected record format.
Data Type	The data type of your selected record format.
Length	The field length.
Decimals	The number of decimals in the field.

- 2 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Output File Pages

Before you start You should complete a search task.

For more information, see "[Viewing Output Files Record Format](#)" on page 63.

- 1 On the Search Results tab, click on **Pages** to view the output file page details of your selected record.

The search result header displays the *Output file pages Relation Type: Total match*.

Column Heading	Description
Page Name	The page name of your selected program.

Column Heading	Description
Page field info	The page field information corresponding to a page name. Click this option to view page fields. For more information, see " Viewing Page Fields " on page 65.

2 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Page Fields

Before you start You should complete a search task.

For more information, see "[Viewing Output Files Record Format](#)" on page 63.

1 On the Search Results tab, click **Pages** to view the output file page details of your selected record.
A new search result opens with the header *Program Relation Type: Total match*.

2 On the Page field info column, click **View Page Fields** corresponding to your selected page name to view.

A new search result opens with the following field information:

Column Heading	Description
Field Name	The name of the field for the selected page.
Stream	Page field stream

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Viewing Programs Using Output File

Use this procedure to view Programs Using Output File of a selected program.

Before you start You should complete a program search task.

For more information, see "[Searching for Output File](#)" on page 30.

- 1 On the Search Results tab, click **Used by** to view the programs using your selected output File.
A new search result opens with the following information:

Column Heading	Description
Program Name	The name of the programs in this selection.
Description	Brief description of the program.
Component	Program components

- 2 Use the following options to sort and filter your results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
- 3 To view programs relations, click a Program name.
For more information, see "[Viewing Program Relation Information](#)" on page 39.

Viewing Util Relations Information

- "[Viewing Tables Used by a Util](#)" on page 67
- "[Viewing Programs Used by a Util](#)" on page 67
- "[Viewing Programs Using Util](#)" on page 68
- "[Viewing Utils Used by Util](#)" on page 69

Viewing Tables Used by a Util

Before you start You should complete a search task.

For more information, see "[Searching for Util](#)" on page 34.

- 1 On the Search Results tab, click on a Util name.
- 2 On the new search result, click **Tbl used** to display all tables used by your selected Util with the following information:

Column Heading	Description
Table name	Name of the table used by the Util you selected.
Description	Description of the table used by the Util you selected.
Usage	Function of the table used by the Util you selected: Read, Update, and/or Delete.

- 3 Use the following options to sort and filter your results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
- 4 To view table relations, click a table name.

For more information, see "[Viewing Util Relations Information](#)" on page 66.

Viewing Programs Used by a Util

Before you start You should complete a program search task.

For more information, see "[Searching for Util](#)" on page 34.

- 1 On the Search Results tab, click on a Util name.
- 2 On the new search result, click **Pgm used** to display all programs used by your selected Util with the following information:

Column Heading	Description
Program name	Name of the program used by the Util you selected.

Column Heading	Description
Description	Description of the program used by the Util you selected.
Component	Component of the program using the Util you selected.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view Util program relations, click a program name.

For more information, see "[Viewing Util Relations Information](#)" on page 66.

Viewing Programs Using Util

Before you start You should complete a program search task.

For more information, see "[Searching for Util](#)" on page 34.

1 On the Search Results tab, click on a Util name.

2 On the new search result, click **Used by** to display all programs using your selected Util with the following information:

Column Heading	Description
Program name	Name of the program used by the Util you selected.
Description	Description of the program used by the Util you selected.
Component	Component of the program using the Util you selected.

3 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

4 To view Util program relations, click a program name.

For more information, see "[Viewing Util Relations Information](#)" on page 66.

Viewing Utils Used by Util

Before you start You should complete a search task.

For more information, see "[Searching for Util](#)" on page 34.

- 1 On the Search Results tab, click on a Util name.
- 2 On the new search result, click **Util used** to display all Utils using your selected Util.

A new search result opens with the following information:

Column Heading	Description
Util name	Name of the Util used by the Util you selected.
Component	Component of the Util using the Util you selected.

- 3 Use the following options to sort and filter your results:
 - To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
 - To filter the results, type a dynamic free text filter for each column and select a Filter action.
- 4 To view Util relations, click a Util name.

For more information, see "[Viewing Util Relations Information](#)" on page 66.

Searching by Component

- "[Search by Component Details](#)" on page 70
- "[Searching for Modified Programs](#)" on page 71
- "[Setting the Advanced Search Filter by Component](#)" on page 72

Search by Component Details

Accessed from the Search tab in the left pane, Search by Component is presented with the following standard features and fields:

Component fields

These options allows you to perform search on M3 BE by Component.

Fields	Description
Keywords	<p>Type a name or description associated with the program you are searching for. Search keywords can contain alphanumeric characters, spaces, hyphen (-), colon (:), and underscore (_).</p> <p>You can also add a wildcard (*) at the beginning, middle, or end of the keyword. This will search only for elements containing your keyword where the wildcard is placed.</p>
Containing Method/ Keyword	Type a JAVA keyword or method to search.
Select M3 BE Installation	<p>This open text M3 BE field is auto complete for ease of use. Use this to select the M3 BE Installation where to search for modified programs. A default M3 BE selection is displayed.</p> <p>Click on the MDP BE information icon to display more details about your selected M3 BE Installation.</p> <p>For more information, see "Viewing MDP BE System Information" on page 19..</p> <p>Note: The last selected M3 BE Installation on every login is saved.</p>
Search	After you define the required task information, click this to perform the search.

Component Advanced Search

Use these fields for M3 Business Engine (BE) system and version advanced filtering.

Fields	Description
Select Component	Select a component corresponding to your selected MDP BE system.

Fields	Description
Search Limit	<p>Set the result limit from a range of 100 to 10000 with an interval value of 100 for the first 1000.</p> <p>By default the search result displays the first 500 data match. For volume data, processing may take time, it is recommended that you consider setting the search limit.</p>

Searching for Modified Programs

Use this procedure to search for modified programs in Market or Customer components of an M3 Business Engine (BE) system.

- 1 On the Search tab, select Search By Component.
- 2 In the Program name field, type a keyword to search.
- 3 In the Containing method/keyword field, type a JAVA keyword or method in the program you are searching for.
- 4 Select an M3 BE Installation to use.
For more information, see "[Component fields](#)" on page 70.
- 5 Click the link to **More Options** for additional search filter.
 - a Select a Component.
 - b Set the search limit. The default value is 500.
For more information, see "[Component Advanced Search](#)" on page 70.
 - c Select a search method to use.
- 6 Click Search.

In the right pane, the Search Results tab displays the *Program (Total match)* , and a data list with the following information is displayed:

Column Heading	Description
Program name	Name of the program.
Description	Description of the program.
Type	Type of the program.
Component	Component of the program.

Source Code

Click the icon to view source code.

7 Use the following options to sort and filter your results:

- To sort the results alphabetically or numerically, click the Sort icon located in one or more column headings.
- To filter the results, type a dynamic free text filter for each column and select a Filter action.

Setting the Advanced Search Filter by Component

Use this procedure to set the advanced filter of an M3 Business Engine (BE) search by component.

1 On the Search tab, click Search By Component.

2 Consider the Component fields.

For more information, see "[Component fields](#)" on page 70.

3 Click More options and set the advanced search filter.

a Select the Component.

b Set the Search Limit

For more information, see "[Component Advanced Search](#)" on page 70.

4 Click Search.

A search result tab opens with a list of matching entries with the header *Selected entity: Total match* and all other relational information corresponding to your selection.

Search by Text

There are two ways to search for information in MDP Client, by Text and by MI Transction. Here is a list of relevant topics.

- "[Text Search Details](#)" on page 73
- "[Using Basic Text Search](#)" on page 76
- "[Using Phrase Text Search](#)" on page 77
- "[Using Advanced Wild Card in Text Search](#)" on page 77
- "[Searching Text in Advanced Logic Program](#)" on page 78

Text Search Details

Accessed from the Search tab in the left pane, the Text Search is presented with the following features and fields:

Text Search fields and functions

These options allow you to define the required information for your Text Search tasks.

Fields/function	Description
Keywords	<p>This open text Keyword field is auto complete for ease of use. Here, you type the text, phrase, or code to search. Text search can contain alphanumeric characters (A-Z,a,z), blank space(), hyphen(-), colon(:), or underscore().</p> <p>You can also use a wildcard (*) placed at the beginning, middle, or end of the keyword. Search will look for a match based on your keyword and the position of the wildcard.</p>
Text Search method	<p>Select the method to use for your Text Search: Basic, Phrase, or Advanced.</p> <ul style="list-style-type: none">• Basic - search for simple texts.• Phrase - search for a group of texts.• Advanced - perform a logical text search using JAVA keywords or wild cards. <p>For more information, see "Text Search Methods" on page 74.</p>
Select M3 BE Installation	<p>Use this to select the BE installation where to execute the Text Search. A default M3 BE selection is displayed.</p> <p>Note: MDP saves your selected M3 BE Installation on last login.</p>
MDP BE information	<p>Click on the MDP BE information icon to display more details about your selected M3 BE Installation.</p>
Entity	<p>Select the Text Search entity to use, Program or View Definition.</p>
Search	<p>After you define the required task information, click this to perform the search.</p>

Text Search Options

Use this for a more advanced contextual search options. The selections here change depending on what type of Search you are currently working on. From the Text Search tab in the right pane, click the link to **More Options** to access the options below:

Selection	Description
Case Sensitive	<p>This option applies to both entities.</p> <p>Select this option to include exact case matches, for example:</p> <p>ABS010 will return the exact case sensitive match of ABS010, and will exclude abs010</p>
Source code symbols [Program]	<p>This option is applicable only to Program entity.</p> <p>Select this option to include special source code/mathematical symbols in the exact search result, for example:</p> <p>!ALINE.CHAIN will return the exact match !ALINE.CHAIN, and will exclude ALINE.CHAIN</p> <p>Source code/mathematical symbols:</p> <p>(_,!,+,-,*,/,=, ,&,%,@,^,<,>)</p>

Text Search Methods

There are three Text Search options to choose from in MDP. You can use boolean operators and acceptable special characters in your text search.

Boolean operators : **OR**, **AND**, **NOT**

Special characters: + - && || ! () { } [] ^ " ~ * ? : \

Basic Text Search

This type of Text Search is used for queries that do not require the use of escape (\) for special characters in the keyword input string. The escape character will be automatically placed during search process, for example, **SLEDG.READE("31")**.

The following boolean operators can be used in Basic Text Search:

Boolean operator	Description
OR	<p>Use this operator to link two terms and find a match if any of the term exist, for example:</p> <p>purchase order</p> <p>purchase OR order</p> <p>Note: For queries using more than one term and the 'OR' operator is not required, use Phrase Text Search instead.</p>

Boolean operator	Description
AND	Use this operator to link two terms and find a match if both terms exist, for example: <code>purchase AND order</code>
NOT	Use this operator to not include any match to the term after the operator , for example: <code>purchase NOT order</code> Text Search will include the match to the term "purchase", but if followed with the term "order" the match will be excluded. Note: You can use a combination of boolean operators in your search queries, for example: <code>purchase AND order NOT invoice</code>

Phrase Text Search

Use this for single phrase queries that do not require the use of escape (\) for special characters in the keyword input string. The use of quotation marks (") in phrase query is optional. The following examples are both acceptable:

`purchase order`

`"purchase order"`

Advanced Text Search

Advanced options	Description
Use of escape character (\)	Queries that require users to put an escape (\) for special characters in the keyword input string. The escape character should be put manually in each special character. <code>SLEDG.READE\ (\ "31\ " \)</code> Important: For Advanced query option, excluding the escape (\) character in the special characters may return inaccurate results
Combined phrase queries and boolean operators	Examples: <code>"purchase order" AND invoice</code> <code>"purchase order" NOT "batch invoice"</code>

Advanced options	Description
Use of wild card	<ul style="list-style-type: none">• Single character wild card (?), for example: o?der• Multiple character wild card (*), for example: *chase, ord*, *voi*

Using Basic Text Search

Use this procedure to search for texts in Basic mode.

- 1 On the Search tab, select Text Search.
- 2 In the Keywords field, type a text to search, for example "account".
- 3 Select **Basic** search mode.
- 4 Select the M3 BE Installation to use.

Note: A BE Installation is preselected, select from the list to change the default.

- 5 Select the entity to use, Program or View Definition.
- 6 Click Search.

In the right pane, the search result tab for the selected *entity: number of match* is displayed with the following information:

Table heading	Description
Program Name	The name of the program.
Description	A brief description of the program.
Component	The component used by this program.
Location	The location of the program.
File path	File path of the program.

- 7 Click the link to More Options for case sensitive or program code specific text search.
- 8 Toggle the search tab lock for view tab options.

Using Phrase Text Search

Use this procedure to search for texts in Phrase mode.

- 1 On the Search tab, select Text Search.
- 2 In the Keywords field, type a text to search, for example "*account*".
- 3 Select **Phrase** search mode.
- 4 Select the M3 BE Installation to use.

Note: A BE Installation is preselected, select from the list to change the default.

- 5 Select the entity to use, Program or View Definition.
- 6 Click Search.

In the right pane, the search result tab for the selected *entity: number of match* is displayed with the following information:

Table heading	Description
Program Name	The name of the program.
Description	A brief description of the program.
Component	The component used by this program.
Location	The location of the program.
File path	File path of the program.

- 7 Click the link to More Options, you can select to use Case Sensitive or Program Code specific text search.
- 8 Toggle the search tab lock for view tab options.

Using Advanced Wild Card in Text Search

Use this procedure to search for texts using wild cards. You can add a wildcard (*) at the beginning, middle, or end of the keyword. This will search only for elements containing your keyword where the wildcard is placed.

- 1 On the Search tab, select Text Search.

- 2 In the Keywords field, type a text to search. Position the asterisk (*) where any character can be used in its place.

For, example "acc*" can be matched to keywords: accrue, account, accounting, and so on.

- 3 Select **Advanced** search mode.
- 4 Select the M3 BE Installation to use.

Note: A BE Installation is preselected, select from the list to change the default.

- 5 Select the entity to use, Program or View Definition.
- 6 Click Search.

In the right pane, the search result tab for the selected *entity: number of match* is displayed with the following information:

Table heading	Description
Program Name	The name of the program.
Description	A brief description of the program.
Component	The component used by this program.
Location	The location of the program.
File path	File path of the program.

- 7 Click the link to More Options for case sensitive or program code specific text search.
- 8 Toggle the search tab lock for view tab options.

Searching Text in Advanced Logic Program

Use this procedure to search for texts in Advanced logic program. You can type a JAVA keyword or method in the entity you are searching in.

- 1 On the Search tab, select Text Search.
- 2 In the Keywords field, type a text to search and type the JAVA keyword or method to use.
For example, "purchase order" AND "invoice".
- 3 Select **Advanced** search mode.
- 4 Select the M3 BE Installation to use.

Note: A BE Installation is preselected, select from the list to change the default.

5 Select the entity to use, Program or View Definition.

6 Click Search.

In the right pane, the search result tab for the selected *entity: number of match* is displayed with the following information:

Table heading	Description
Program Name	The name of the program.
Description	A brief description of the program.
Component	The component used by this program.
Location	The location of the program.
File path	File path of the program.

7 Click the link to **More Options** for case sensitive or program code specific text search.

8 Toggle the search tab lock for stationary or changing search tab result.

Search by MI Transaction

- ["MI Transaction Search Details" on page 79](#)
- ["MI Transaction Search Result" on page 80](#)
- ["Searching by MI Transaction" on page 80](#)
- ["Viewing MI Transaction Inbound or Outbound Fields" on page 81](#)

MI Transaction Search Details

Access the Search tab and select Search MI Transaction to display the following features and fields:

MI Transaction search fields and functions

Refer to the fields definition here when you use search by MI Transaction.

Fields/function	Description
Keywords	<p>This open text Keyword field is auto complete for ease of use. Here, you type the text, phrase, or code to search. It can contain alphanumeric characters (A-Z,a,z), blank space(), hyphen(-), colon(:), or underscore().</p> <p>You can use the wildcard character * (asterisk) in place of an unknown string.</p>
Select M3 BE System	<p>Use this to select the BE installation where to execute the search. A default M3 BE selection is displayed.</p> <p>Note: MDP saves your selected M3 BE Installation on last login.</p>
More Options	<p>Click the link to More Option to set the result limit. Range setting is from 100 to 10000 with an interval value of 100 for the first 1000.</p>
Search	<p>When all the required task information are completed, click on Search.</p>

MI Transaction Search Result

When you run search, the search result tab is displayed in the right pane with the following information:

Table heading	Description
Transaction Name	The name of the transaction.
Description	A brief description of the transaction.
Program	The program used by this MI Transaction.
Program description	Brief description of the program.
Inbound fields info	Link to view the inbound fields for this transaction.
Outbound fields info	Link to view the outbound fields for this transaction.

Searching by MI Transaction

- 1 On the Search tab, select **Search MI Transaction**.
- 2 In the Keyword field, type a keyword to search.

- 3 Select an M3 BE Installation to use.

For more information, see "[System Configuration fields](#)" on page 23.

- 4 Click the link to **More options** for additional search filter.

- 5 Set the search limit. The default value is 500.

For more information, see "[Component Advanced Search](#)" on page 70.

- 6 Click **Search**.

A new search result opens with the *Program (Total match)* and a data list.

- 7 Optional: Click on the Export icon to save this table search result on an xsl. file.

- 8 Use the following options to manage your results:

- To sort the results alphabetically or numerically, click the Sort icon on the column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

- 9 To view relation information, click on a system element name.

For more information, see "[Viewing Relation Information](#)" on page 39..

Viewing MI Transaction Inbound or Outbound Fields

- 1 Complete the task [Searching by MI Transaction](#).

- 2 On the Search Results tab, select a Transaction name and click the link to view the fields:

View Inbound Fields or **View Outbound Fields**

A new search result opens with your selected transaction name and *<In/Out>bound fields (Total match)*.

Table heading	Description
Field Name	Name of this field.
Description	A brief description of this field.
From	The program used by this MI Transaction.
To	Brief description of the program.
Length	Inbound field length in number of characters.
Mandatory	Indicates whether the MI Transaction on this row is mandatory or not.

Table heading	Description
Type	Indicates the type of this field.

3 Optional: Click on the Export icon to save this table search result on an xsl. file.

4 Use the following options to manage your results:

- To sort the results alphabetically or numerically, click the Sort icon on the column headings.
- To filter the results, click the Filter icon in the last column and type a dynamic free text filter for each column.

5 To view relation information, click on a system element name.

For more information, see "[Viewing Relation Information](#)" on page 39..

Comparing MDP Tables and MI Programs

The results of the Compare function are standard (MVX) information only.

- "[Comparing MDP Tables](#)" on page 82
- "[Comparing MI Programs](#)" on page 83

Comparing MDP Tables

Use this procedure to compare two M3 Business Engine (BE) systems.

- 1 Access the Compare tab and select **Compare MDP Tables**.
- 2 Select a Reference MDP BE System to use.
- 3 Select a Compared MDP BE System for comparison.
- 4 Select a comparison option.

Identical Tables	Tables exists in both reference and compared BE systems.
Tables only in reference	Tables that are only in reference BE system.
Tables only in compared	Tables that are only in compared BE system.

Data type differences	Data type differences between the two BE systems.
Table column differences	Table list of column differences between the two BE systems.

5 Click **Compare**.

In the right pane, the Compare Results tab displays the BE system comparison and the number of results, shown on the bar at the top as: *Comparison Option: Number of matches*. The table columns change depending on your selected comparison option.

Comparing MI Programs

Use this procedure to compare MI Programs from two M3 Business Engine (BE) systems.

- 1 Access the Compare tab and select **Compare MI Programs**.
- 2 Select a Reference MDP BE System to use.
- 3 Select a Compared MDP BE System for comparison.
- 4 Select a comparison option.

MI Programs only in reference	MI Programs that are only in reference BE systems.
MI Programs only in compare	MI Programs that are only in compared BE systems.
Transaction differences	Transaction differences between the two BE systems.
Transaction In fields differences	Transaction In fields differences between the two BE systems.
Transaction Out fields differences	Transaction Out fields differences between the two BE systems.

5 Click **Compare**.

In the right pane, the Compare Results tab displays the two BE systems for comparison and the number of results, shown on the bar at the top as: *Comparison Option: Number of matches*. The table columns change according to your selected comparison option.

Exporting M3 BE System Information

- ["Using Export to Excel File Button" on page 84](#)

- ["Exporting by M3 BE System Configuration "](#) on page 84
- ["Exporting by Comparison"](#) on page 85

Using Export to Excel File Button

Use this procedure to activate and use the Export to Excel file button on the search result tab.

- 1 Complete any of the following tasks:
 - [Searching by System Configuration](#)
 - [Searching by Component](#)
 - [Search by Text](#)
- 2 On the Search result tab, click export to Excel icon.
- 3 On the export window, select any of the following to:
 - "Open" the file on MS Excel,
 - "Save" the file to the computer, or
 - "Cancel" to disregard export to excel.

Exporting by M3 BE System Configuration

Use this procedure to export M3 BE System Information to Excel.

- 1 On the Export tab, select **Export by System Configuration**.
- 2 In **Select MDP BE System** field, select an M3 BE system where to get the information to export.
There are two M3 BE System types:
 - Standard base M3 BE system packaged with the M3 Metadata installation, and
 - All other metadata generated using LifeCycle Manager.
- 3 In **Select What To Export** field, select Program or Table depending on what M3 BE system information you want to export.
- 4 Click Export. The File Download window is displayed.
- 5 At the prompts, select any of the following options:
 - "Open" - to view the export in Excel.
 - "Save" - to save to an Excel file with the filename format:

`<MDP BE System>_<Type>.xls`, for example, `MDP_15_1_0_MVX_Programs.xls`.

- "Cancel" - to disregard export to Excel action.

Exporting by Comparison

Use this procedure to export M3 BE System Information to Excel and compare database information.

- 1 On the Export tab, select **Export by Comparison**.
- 2 In **Reference MDP BE System** field, select an M3 BE system where to get the information to export.
There are two M3 BE System types:
 - Standard base M3 BE system packaged with the M3 Metadata installation, and
 - All other metadata generated using LifeCycle Manager.
- 3 In **Compared MDP BE System** field, select the Program or Table to which you want to compare the Reference MDP BE System with.
- 4 Click Export. The File Download window is displayed.
- 5 At the prompts, select **Save** to keep the exported information on an Excel file.
- 6 On Save As window, browse to the folder location of the new Excel file, and click Save.
The default filename format is: `IP_PORT_Component_Tables.xls`.
For example: `MDP_15_1_0_MVX_Programs.xls`
- 7 Open the exported Excel file.

- ["M3 Metadata Publisher Limitations" on page 86](#)

M3 Metadata Publisher Limitations

The current version of M3 Metadata Publisher has the following limitations:

Browser

When using Internet Explorer (IE) browser to access MDP Client, it is advisable to limit to ten your open search results tabs for better response time.