



# Using the Routines Page

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For Support questions about any InterSystems products, contact:

**InterSystems Worldwide Response Center (WRC)**

Tel: +1-617-621-0700

Tel: +44 (0) 844 854 2917

Email: [support@InterSystems.com](mailto:support@InterSystems.com)

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# Using the Routines Page

The Management Portal provides tools for managing routines. This page describes how to use these tools. See [Routines](#) for more information about routines.

## 1 Introduction to the Routines Page

The Management Portal includes the **Routines** page (**System Explorer > Routines**), which allows you to manage routines. On this page, you can:

- Select **Code** in the row for a routine to display code for that routine in the right pane.
- Select **Compile** to [compile](#) routines.
- Select **Export** to [export](#) routines.
- Select **Import** to [import](#) routines.
- Select **Find** to [find](#) substrings in routines.
- Select **Replace** to [replace](#) a substring in routines.
- Select **Delete** to [delete](#) routines.
- Select **Compare** to [compare](#) two routines
- Select **Classes** to view [classes](#).
- Select **Globals** to [view](#) globals.

To find specific routines:

1. Select the namespace or database of interest:
  - In the left pane, select either **Namespaces** or **Databases** from the **Look in** list.
  - Select the desired namespace or database from the second drop-down list.

Selecting a namespace or database updates the page to display its routines.

2. If you are looking for a particular routine and do not initially see its name, try specifying the following options:
  - **System items**, **Generated items**, or **Mapped items** to include routines of the selected type in the search.
  - **Begin date** and **End date** to specify the range of dates to search on. The **Date** column specifies when the routine was last modified.
  - **Routine and Include files** to specify a search mask. If you end the string with an asterisk “\*”, the asterisk is treated as a wildcard, and the page displays each routine whose name begins with the string before the asterisk. After entering a value, press **Enter**.

You can also use the default masks, listed below the **Routines and Include files** field, by clicking on them.

- **Maximum Rows**, which determines the maximum number of rows to return.
- **Page size**, located on the center pane of the page, which controls the number of routines to list on any page.

## 2 Compiling Routines

The **Compile Routines** wizard provides several options for compiling routines. To use this wizard on the **Routines** page:

1. Specify the routines to compile by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Compile** button, which displays the **Compile Routines** wizard.
3. Select the **Run compile in the background** check box if you are compiling many or large files.
4. Click the **Compile** button. The **Compile Routines** wizard will display information regarding the status of the compilation.
5. To dismiss the wizard, click **Done**.

## 3 Exporting Routines

The **Export Routines** wizard enables you to export routines. To use this wizard on the **Routines** page:

1. Specify the routines to work with by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Export** button to display the **Export Routines** wizard.
3. In the **Export Routines** wizard, choose to export to a file on the server or the default browser by selecting the corresponding radio button under the **Export the file to the** label.
4. Specify the file into which you wish to export the routines. To do this, either enter a file name (including its absolute or relative pathname, if exporting to the server) in the **Enter the path and name of the export file** field, or click **Browse** and navigate to the file.
5. Select the export file's character set with the **Character set** list.
6. Select **Check here for exporting OBJ code in XML format** to export the routines in XML format.
7. Select the **Run export in the background** check box if you are exporting many or large files to the server.
8. Click **Export**.
9. If the file already exists, select **OK** to overwrite it with a new version.
10. To dismiss the wizard, click **Done**.

## 4 Importing Routines

The **Import Routines** wizard enables you to import routines. To use this wizard on the **Routines** page:

1. Click the **Import** button to display the **Import Routines** wizard.
2. Specify the import file. To do this, either enter a file (including its absolute or relative pathname) in the **Enter the path and name of the import file** field or click **Browse** and navigate to the file or directory.
3. Select or clear **Compile imported items**, and enter any [Compile Flags](#).
4. Select **Run import in the background** if importing large files.

5. Click **Import**. The **Import Routines** wizard will display information regarding the status of the import.
6. To dismiss the wizard, click **Done**.

**Note:** This page enables you to import routines that have been exported in XML format. It does not support older formats.

## 5 Finding Substrings in Routines

The **Find Routine String** page enables you to find a given string in selected routines. To use this page:

1. Specify the routines to work with on the **Routines** page by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Find** button.
3. For **Find What**, enter the string to search for.
4. Optionally clear **Match Case**. By default, the search is case-sensitive.
5. Click either **Find First** or **Find All**. The page then displays either the first line or all lines that contain the given string, within the selected routines. The table shows the line number on the left and the contents of the line on the right.
6. If you used **Find First**, click **Find Next** to see the next line, as needed.
7. When you are done, click **Close Window**.

### 5.1 Performing Wholesale Replacements

**CAUTION:** Before making any edits, be sure that you know which routines InterSystems IRIS uses and which routines your application uses. This option changes the data permanently. It is not recommended for use in production systems.

For development purposes, the **Find Routine String** page also provides an option to make wholesale changes to routines. To use this option on the **Routines** page:

1. Specify the routines to work with by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Replace** button.
3. Use this page to find values, as described in the [Finding Substrings in Routines](#) section.
4. Specify a value for **Replace With**.
5. Click **Replace All**.
6. Click **OK** to confirm this action. The page then displays a preview of the change.
7. Review the results. If they are acceptable, click **Save**; otherwise, click **Undo Replace All**.
8. Click **OK** to confirm this action.

## 6 Deleting Routines

**CAUTION:** A deleted Routine cannot be restored. There is no undo option.

The **Routines** page enables you to delete routines. To delete a routine:

1. Specify the routines to work with by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Delete** button.
3. Click **OK** to confirm this action.

## 7 Comparing Routines

The **Routine Compare** page enables you to compare two selected routines. To use this utility on the **Routines** page:

1. Specify the routines to work with by selecting their check boxes. The [Introduction to the Routines Page](#) section describes the available search tools.
2. Click the **Compare** button to display the **Routine Compare** page.
3. On the **Routine Compare** page, you can specify routines to compare. If you did not select two routines in step 2, you can specify routines in the **Routine 1** and **Routine 2** fields.
4. Click **Compare**. The **Differences between these two routines** table appears, which displays the line-by-line differences between the two selected routines.