



Using the Routines Page

Version 2024.1
2024-05-02

Using the Routines Page

InterSystems IRIS Data Platform Version 2024.1 2024-05-02

Copyright © 2024 InterSystems Corporation

All rights reserved.

InterSystems®, HealthShare Care Community®, HealthShare Unified Care Record®, IntegratedML®, InterSystems Caché®, InterSystems Ensemble®, InterSystems HealthShare®, InterSystems IRIS®, and TrakCare are registered trademarks of InterSystems Corporation. HealthShare® CMS Solution Pack™ HealthShare® Health Connect Cloud™, InterSystems IRIS for Health™, InterSystems Supply Chain Orchestrator™, and InterSystems TotalView™ For Asset Management are trademarks of InterSystems Corporation. TrakCare is a registered trademark in Australia and the European Union.

All other brand or product names used herein are trademarks or registered trademarks of their respective companies or organizations.

This document contains trade secret and confidential information which is the property of InterSystems Corporation, One Memorial Drive, Cambridge, MA 02142, or its affiliates, and is furnished for the sole purpose of the operation and maintenance of the products of InterSystems Corporation. No part of this publication is to be used for any other purpose, and this publication is not to be reproduced, copied, disclosed, transmitted, stored in a retrieval system or translated into any human or computer language, in any form, by any means, in whole or in part, without the express prior written consent of InterSystems Corporation.

The copying, use and disposition of this document and the software programs described herein is prohibited except to the limited extent set forth in the standard software license agreement(s) of InterSystems Corporation covering such programs and related documentation. InterSystems Corporation makes no representations and warranties concerning such software programs other than those set forth in such standard software license agreement(s). In addition, the liability of InterSystems Corporation for any losses or damages relating to or arising out of the use of such software programs is limited in the manner set forth in such standard software license agreement(s).

THE FOREGOING IS A GENERAL SUMMARY OF THE RESTRICTIONS AND LIMITATIONS IMPOSED BY INTERSYSTEMS CORPORATION ON THE USE OF, AND LIABILITY ARISING FROM, ITS COMPUTER SOFTWARE. FOR COMPLETE INFORMATION REFERENCE SHOULD BE MADE TO THE STANDARD SOFTWARE LICENSE AGREEMENT(S) OF INTERSYSTEMS CORPORATION, COPIES OF WHICH WILL BE MADE AVAILABLE UPON REQUEST.

InterSystems Corporation disclaims responsibility for errors which may appear in this document, and it reserves the right, in its sole discretion and without notice, to make substitutions and modifications in the products and practices described in this document.

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

Table of Contents

- Using the Routines Page..... 1
 - 1 Introduction to the Routines Page 1
 - 2 Compiling Routines 2
 - 3 Exporting Routines 2
 - 4 Importing Routines 2
 - 5 Finding Substrings in Routines 3
 - 5.1 Performing Wholesale Replacements 3
 - 6 Deleting Routines 4
 - 7 Comparing Routines 4

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.