Information Builders

# WebFOCUS

Release 8207.04

About This Release

May 27, 2020

# Contents

**1. 8207.04 Release Notes . . . . . . . . . . 5**

Release and Gen Information . . . . . . . . . . 5

New Features . . . . . . . . . . 5

Creating and Repositioning the Filter Toolbar. . . . . . . . . . 6

Supporting Excel Targets for Upload and Data Flow. . . . . . . . . . 7

Using Undo and Redo in Join, Union, and Business View Editors. . . . . . . . . . 9

Setting the Maximum Size of Files for Upload. . . . . . . . . . 10

Using Server Variables to Load Third-Party Drivers. . . . . . . . . . 11

Adapter for Hive: Optimize Load With Bulk Load Options. . . . . . . . . . 12

Distinguishing Node Status Using Ports and Connectors. . . . . . . . . . 14

Fixes . . . . . . . . . . 15

Known Issues . . . . . . . . . . 17

System Requirements . . . . . . . . . . 20

Chapter 1

# 8207.04 Release Notes

The following topic provides all the information that you need to know about this release of WebFOCUS.

**In this chapter:**


- Release and Gen Information
- New Features
- Fixes
- Known Issues
- System Requirements

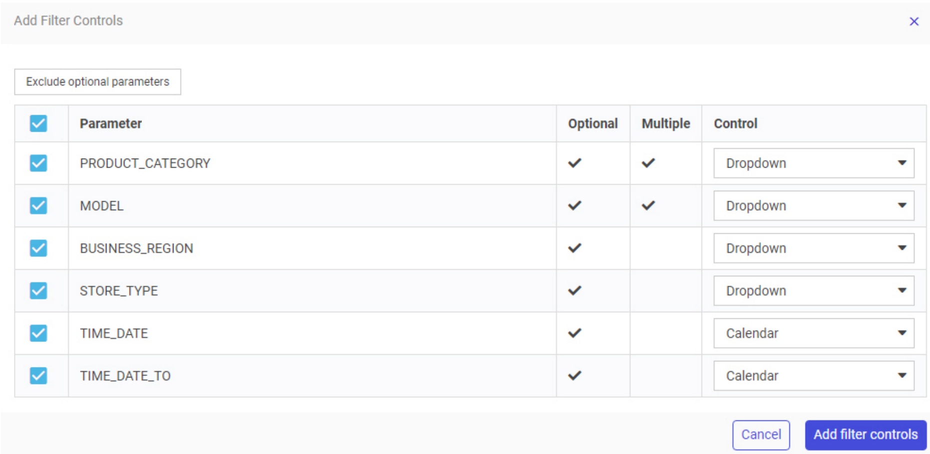

## Release and Gen Information

| Release Date | Gen Information | Reporting Server |
|---|---|---|
| Friday, February 14, 2020 | wf021020a Gen 5 | 8207.04 Gen 1909 |

## New Features

## Creating and Repositioning the Filter Toolbar

When assembling a visualization from existing content, dynamic parameters in the content added to the visualization are identified and can be added immediately to the page by clicking the Quick Filter button. As an alternative, you can choose which filters are created by opening the Quick Filter menu and clicking *Choose filters to add to page*. You can select the particular filters that you want to create, quickly exclude optional parameters from filter creation, see which filters will be multiselect, and change the type of control that each filter uses. The Add Filter Controls dialog box is shown in the following image.




Once you have added filters to the page, a filter toolbar is created. If you select the entire page and then click the *Settings* tab on the *Properties* panel, you can change the position of the filter toolbar. The default location is below the page heading and page toolbar.

Click *Above Header* to place the filter toolbar above the page heading and page toolbar. If you have multiple pages in a portal that use the same filters, you can put the filters above the page content to make it appear as if the filters are consistent for the entire portal, and only the page content changes as you navigate the portal. Alternatively, click *In Modal* to place the filter toolbar in a modal window. To access the modal filter window, click the *Show filters* button on the page toolbar. This saves space on your page by hiding the filter toolbar until you choose to display it.

To remove the filter toolbar, clear the *Include Page Filters* check box on the Settings tab. The Quick Filter button and menu return, indicating that the filter controls can be created again. Select the *Include Page Filters* check box before creating filter controls to create an empty filter toolbar that you can style or reposition, even before filters are added.

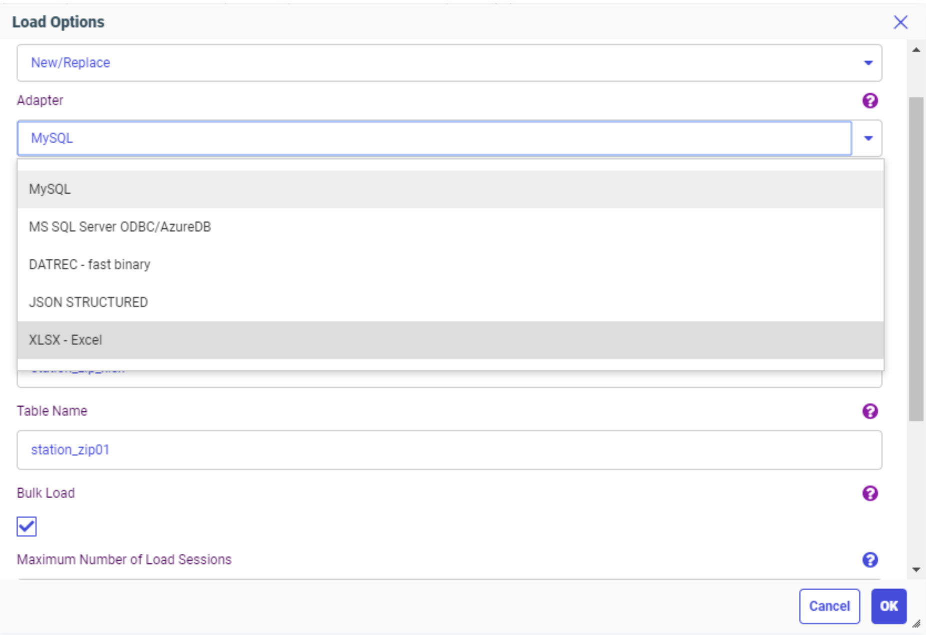
## Supporting Excel Targets for Upload and Data Flow

In prior releases, using DataMigrator to create an Excel worksheet required configuring the Adapter for Fixed format files and, on Target Properties, selecting the Adapter for Formatted Files and the format Excel.

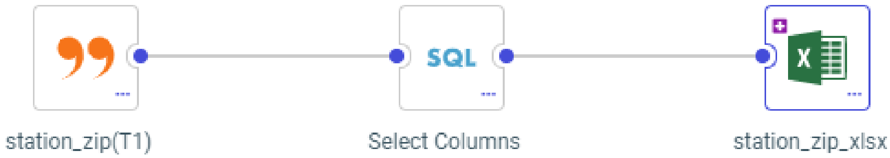
Now, when the Adapter for Excel (via Direct Retrieval) is configured, it can be selected as the target adapter. Files are created with the extension .xlsx. Additionally when this option is used, now a synonym is automatically created with the name and location specified, and with the suffix DIREXCEL.

Note that the obsolete format EXL2K that created files with the extension .xlht has been removed as an option.

The following image shows the Load Options dialog box when the Adapter for Excel (via Direct Retrieval) is configured.



The following image shows the flow with the Excel target configured.




The following Master File was generated for this target.

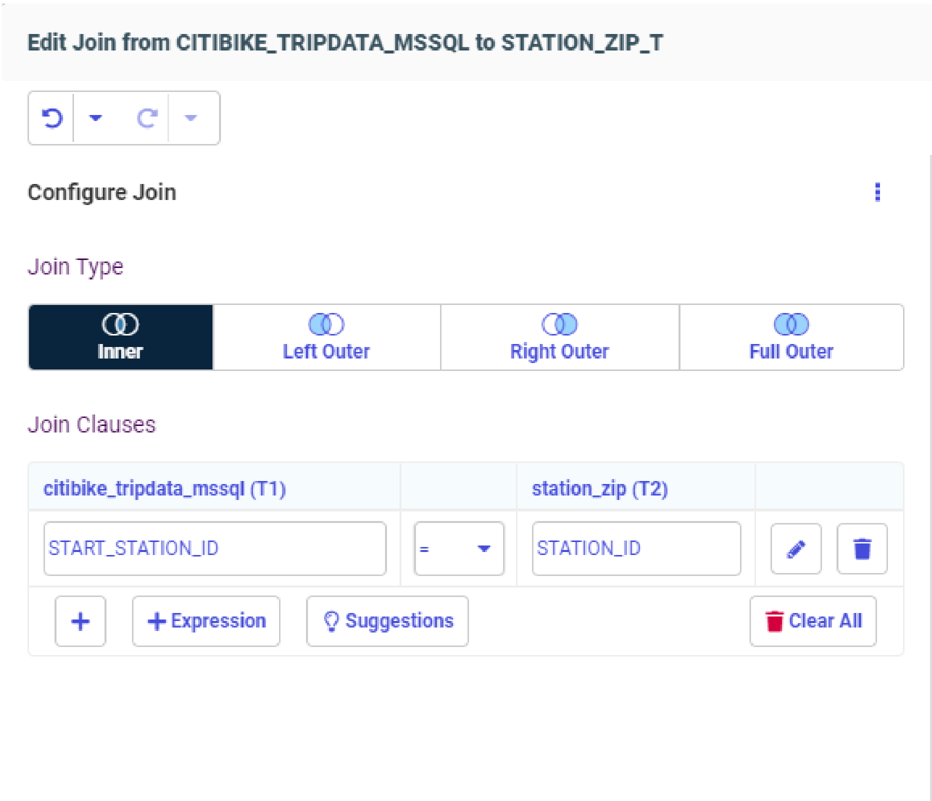
```
FILENAME=STATION_ZIP_XLSX, SUFFIX=DIREXCEL,
 DATASET=citibike/station_zip_xlsx.xlsx, $
  SEGMENT=STATION_ZIP_XLSX, SEGTYPE=S0, $
    FIELDNAME=STATION_ID, ALIAS=STATION_ID, USAGE=I7, ACTUAL=A11V,
      MISSING=ON,
      TITLE='STATION_ID', $
    FIELDNAME=ZIP_CODE, ALIAS=ZIP_CODE, USAGE=A6V, ACTUAL=A6V,
      MISSING=ON,
      TITLE='ZIP_CODE',
      GEOGRAPHIC_ROLE=POSTAL-CODE,  $
    FIELDNAME=COUNTY, ALIAS=COUNTY, USAGE=A18V, ACTUAL=A18V,
      MISSING=ON,
      TITLE='COUNTY',
      GEOGRAPHIC_ROLE=COUNTY,  $
    FIELDNAME=CITY, ALIAS=CITY, USAGE=A20V, ACTUAL=A20V,
      MISSING=ON,
      TITLE='CITY',
      GEOGRAPHIC_ROLE=CITY,  $
    DEFINE ZIP_CODE__CNTRY__/A50V  WITH STATION_ID='United States';
      TITLE='Country for ZIP_CODE',
      GEOGRAPHIC_ROLE=COUNTRY,  $
```

The following Access File was generated for this target.

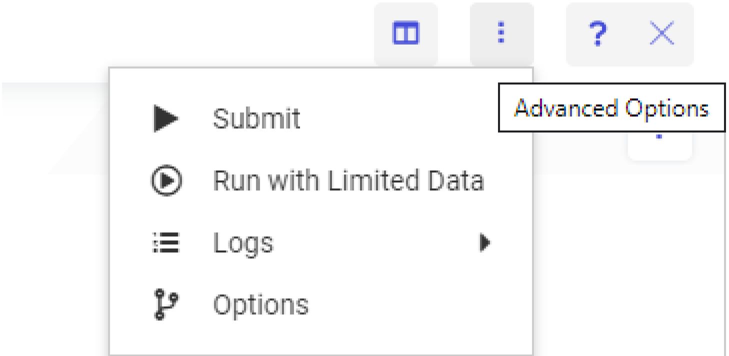
```
SEGNAME=STATION_ZIP_XLSX,
  WORKSHEET=Sheet1,
  HROWS=1,
  NUMDATA=RAW, $
```

## Using Undo and Redo in Join, Union, and Business View Editors

The Union, Join and Business View editors now have Undo and Redo buttons, as shown in the following image.



By default, 50 undo/redo operations are supported. You can change this limit by clicking the *Advanced Options* menu and selecting *Options*, as shown in the following image.

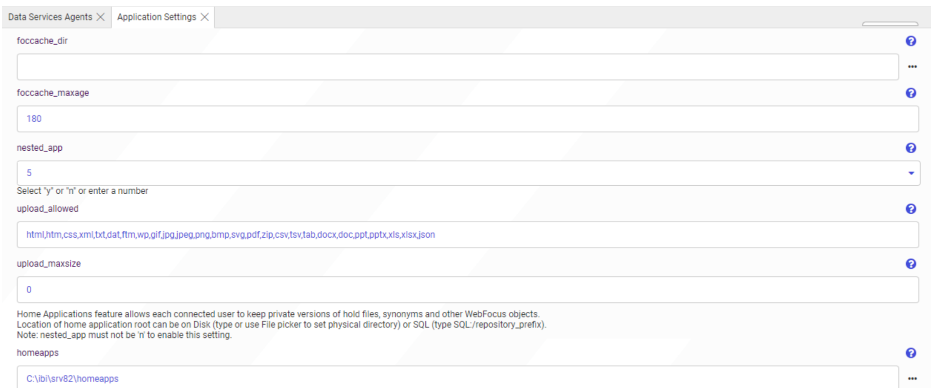



This opens the Advanced Options dialog box. In the Limits section, you can change the number in the Undo/Redo Limit entry field and click *OK*.

## Setting the Maximum Size of Files for Upload

The setting upload_maxsize has been added to the Application Settings page to limit the size of files that can be uploaded. By default, file size for upload is not limited.

To change this setting, click *Manage*, then *Settings* on the Server Console Applications page or, on the Workspace page, click *Settings*, then *Workspace SET*, then *Application Settings*. The Application Settings pane opens, as shown in the following image.




By default, upload_maxsize is zero (0), which supports unlimited file size for upload.

To limit file size for upload, enter a number of kilobytes to be the maximum supported, and click *Save and Restart Server*.

Once a limit is set, an attempt to upload a file larger than the maximum will generate the following message, and the upload will terminate.

```
The size of the uploaded file exceeds the limit of nnnn kilobytes
```

## Using Server Variables to Load Third-Party Drivers

Server environment variables can now be used to add third-party API and Driver DLL locations to the server library path. You can declare them as environment variables before server startup (using applicable operating system syntax and then exporting them, if applicable to your environment), or add them to the server environment variable configuration file (edaenv.cfg, using name=value syntax, with one variable per line).

Normally, only a single directory would need to be assigned to each of these variables. If necessary, you can assign multiple directories. You must separate the directories using the native path directory separator for your platform, with no spaces before or after each separator character. The separator character is a semi-colon (;) for Windows, and a colon (:) for all other platforms.

The following variables are supported:

- **IBI_LOAD_SSL_FROM** can be set to an alternate SSL and CRYPTO DLL location.
- **IBI_LOAD_MSSQL_ODBC_DRIVER_FROM** can be set to the Microsoft SQL Server and Azure ODBC driver location.
- **IBI_LOAD_ORACLE_CLIENT_FROM** can be set to the Oracle Client DLL library location.
- **IBI_LOAD_REDSHIFT_ODBC_DRIVER_FROM** can be set to the Redshift ODBC driver location.
- **IBI_LOAD_EXASOL_ODBC_DRIVER_FROM** can be set to the EXASolution ODBC driver location.
- **IBI_LOAD_DB2_CLI_CLIENT_FROM** can be set to the Db2 CLI Client DLL library location.

**Note:** In prior releases, the use of the LD_LIBRARY_PATH, LIBPATH or IBI_LIBPATH variable was recommended to specify the library path for loading third-party DLLs, depending on whether system security was in use. While these methods continue to work, they are deprecated in favor of using these new variables.

If you are setting any of these variables in the edaenv.cfg file, perform the following steps:

1. Go to the Workspace page on the Server Console.
2. Expand *Configuration Files*, then *Miscellaneous*.

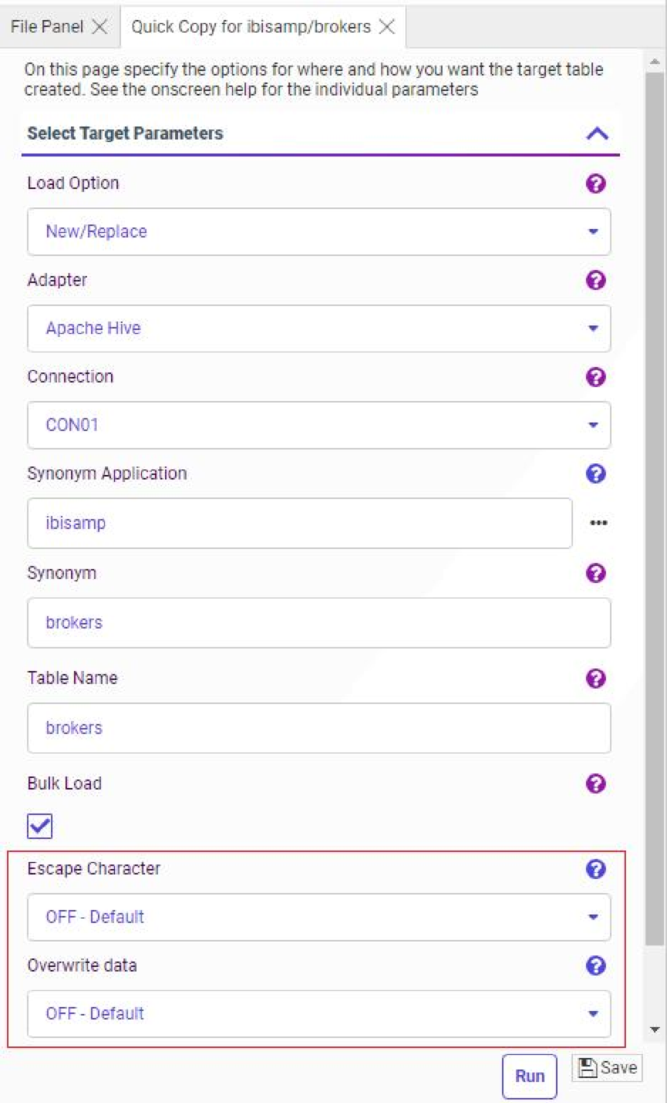
3. Right-click *Environment - edaenv.cfg*, and click *Edit*.
4. When you have made the edits, click the *Save* button.
5. Restart the server in order to have these settings take effect.

   To restart the server, on the Workspace page click *Server Actions*, then *Restart*.

## Adapter for Hive: Optimize Load With Bulk Load Options

In prior releases, when you used DataMigrator or Data Preparation with *Optimize Load* enabled, the ability to specify Load Options was not available.

Now, when loading data to Hive, options such as "Escape Character" are available when Optimize Load is enabled, as shown in the following image.



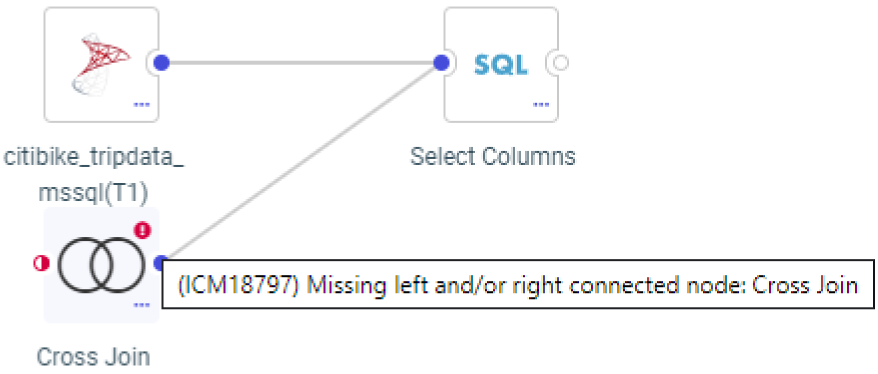
## Distinguishing Node Status Using Ports and Connectors

The Data Flow and Join nodes now have ports that indicate if they can have inputs (on the left) or outputs (on the right). The ports also indicate if all required inputs and outputs are configured.

- An empty node that is not yet considered missing is represented by a hollow circle.
- A node that is present is represented by a solid blue circle.
- A required node that is missing is represented by a circle half-filled in red and outlined in red.
- A node with a menu has an ellipsis (...) at the bottom right. You can click the ellipsis or right-click anywhere in the node to open the menu.
- The indicator that there are warning messages is now an exclamation point in a red circle, which you can hover over to display the warning messages.

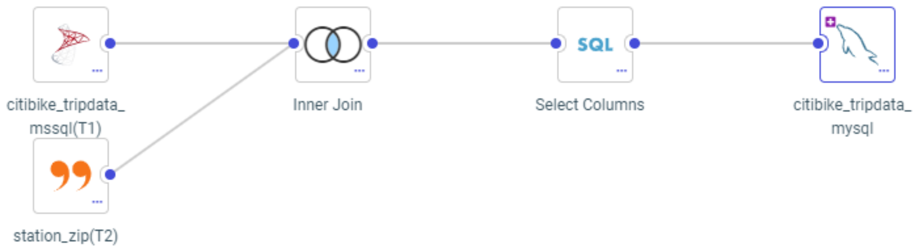
In the following image of a new flow, a source is required, but not present, indicated by the half-filled red circle on the left of the SQL node. No target has been added, so the circle on the right of the SQL node is hollow.


The cross join node has warning messages, identified by an exclamation point in a red circle, which you can hover over to display the warning messages, as shown in the following image.



In the following image, a source has been added, so the circles between the source and the SQL node are solid blue. No target has been added, so the circle on the right of the SQL node is hollow.


In addition, targets are now represented by database-specific icons, as shown in the following image, which has a MySQL target.




If a new target is added, a plus sign displays in the target node. If the target has one or more keys, a key icon displays in the target node, as shown in the following image of a new target with a key.


## Fixes

- ❑ The Parent-Response segment does not contain field definitions when a multi-segment JSON Response is returned from the REST adapter Create Synonym process. (200114033)

- When running an Insight chart with a drill-down inside a page or portal, the Explore with Insight button is visible but not functional. (180807086)
- When using a logarithmic scale for a chart, custom baselines are always drawn on the bottom of the axis. (190131018)
- A Reporting Server privilege is not applied to child group if it is applied in the parent group. (191031015)
- An error occurs in WebFOCUS Designer when a field with a /STRING format is used as a filter. (191118093)
- DataMigrator returns an error the during the Bulk Load run when loading with SFTP protocol to Hive on Ubuntu from Windows 2016. (200120068)
- When a user with the AdvancedUser role that has been denied the *Data Visualization from Metadata (opVisualization)* privilege creates a new InfoAssist report off an existing Reporting Object with the HOLD option and saves it, the Edit option is missing from the shortcut menu for the newly created fex. (190920097)
- DataMigrator returns an ICM18795 Invalid Connection Parameter error during a Bulk Load when loading with SFTP protocol to Hive on Ubuntu from Windows 2016. (200120068)
- When using a logarithmic scale for a chart, custom baselines are drawn on the bottom of the axis. (190131018)
- Redirection to the Client trace page (http://<host>:<port>/ibi_apps/WFClientTrace) occurs if there is a JavaScript error when a page reloads. (190815024)
- Resource Analyzer does not collect some SMRPCNUM values for procedures being executed. (191227007)
- The Explore with Insight button does not function if the chart contains a drilldown. (191021082)
- When a Slowly Changing Dimension field Change Flag is set to a Date format, DataMigrator does not assign a value to this field. (190220114)
- General privileges like NOSYS (disable operating system commands) and NODPT (disable direct pass-thru requests) are not inherited by users of registered groups from Roles registrations. (191031015)

- You cannot select Get Values, input a value manually or change the Type when using a filter box in InfoAssist with Google Chrome version 80. (200206136, 200205119, 200207011, 200207061, 200207103, 200210009, 200210059, 200211066, 200212069, 200212096, 200211006, 200214010, 200219027, 200220126, 200221064, 200225054, 200226036, 200226015, 200226066, 200303018, 200303024, 200304078, 200309113, 200311042, 200302075, 200326016)

- Agent crashes when a report is run multiple times in postscript format, with the Lucida Sans Unicode font. (190403174)

## Known Issues

- The WebFOCUS help system does not work when the Application Server is configured with Java Version 11. As a workaround, you can configure your WebFOCUS instance to use help hosted by IBI. This provides an additional benefit, as users will have access to the latest content.

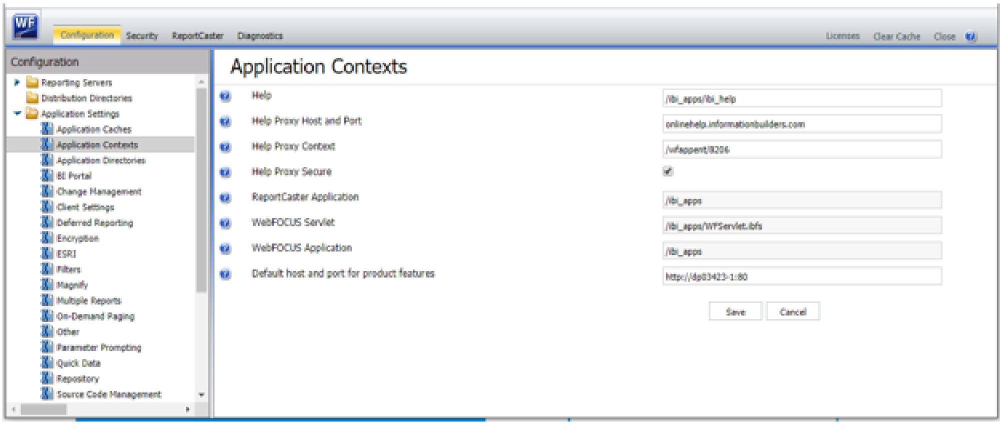
  To accomplish this, you need to perform the following configuration using the WebFOCUS Administration Console:

  1. Select the *Configuration* tab and navigate to *Application Settings* and then *Application Contexts*.
  2. Change the *Help* value to */ibi_apps/ibi_help*.

     **Note:** The ibi_apps value must be the same as the WebFOCUS web app context created during installation. If you provided an alias, for example, ibi_apps8206, then the value for Help should be entered as /ibi_apps8206/ibi_help.

  3. Set the *Help Proxy Host and Port* value to *onlinehelp.informationbuilders.com*.
  4. Set the *Help Proxy Context* to */wfappent/8206*. If you are using WebFOCUS Release 8207, set the value to /wfappent/8207.
  5. Select the *Help Proxy Secure* check box.

For example:




6. Click the *Clear Cache* option and continue to sign out and sign in for the settings to take effect.

- The canvas of WebFOCUS Designer for this release is an interactive canvas based on AHTML. When creating a report, page and row break settings are not supported on this canvas for this release. If you select any other output format, such as HTML, PDF, PPTX, or XLSX, you will see these breaks at runtime. These output format options are available for stand-alone content items only. This will be resolved with the introduction of the non-interactive document canvas in a future release.

- When an Insight-enabled chart created in the 8207.00 version of WebFOCUS Designer is added to a visualization as external content, the Insight icon does not appear on the chart when the page is run, so Insight features cannot be accessed. Resave the chart in WebFOCUS Designer 8207.01 or later to make Insight available when the chart is added to a visualization.

- When working with the Cell menu in an interactive report, the filtering functionality does not work as expected.

- When saving an artifact (from or of and interactive report, chart or dashboard), the output file name is ARsave.html rather than ARhtml.html.

- If you create a report or chart in ARVERSION=2 (In-Document Analytics) and you set the output format to PDF Analytic Document, an error occurs when you run it. If you change the option in Procedure Settings to Legacy, the report or chart is produced correctly.

- If you are working with an In-Document Analytics chart in landscape mode on an Android mobile device and you switch to portrait mode, your content displays in fullscreen mode. Your chart displays at the bottom. If you run your content in new window mode, your In-Document Analytics chart does not display in fullscreen mode, displaying the chart on the right.

- HIDENULLACRS, which hides across columns that have null or zero values in the entire column, is not supported with interactive content using the new Designer style of In-Document Analytics capabilities.

- If you add an existing ARVERSION=1 report to an AHTML document set to ARVERSION=2, it fails at run time, displaying JSON text on the screen instead of the expected report output.

- If you are working with a procedure (.fex) and you change the ARVERSION to ARVERSION=2, global filters do not display when you run the procedure.

- In a scatter plot chart or bubble chart, multiple measure fields on the horizontal and vertical axes generate separate axes, resulting in a grid of scatter plots for each combination of measure fields. In WebFOCUS Designer, if you create a scatter plot chart or bubble chart with multiple measures in the Vertical or Horizontal buckets, only the axis for the first measure in each bucket displays on the canvas. When you run the chart, all measure fields in the Vertical and Horizontal buckets are shown as separate axes, as intended.

- The Expression Editor has a an area that displays objects that you can add to an expression, which are columns, variables or functions. The selection and display of these was controlled by buttons above the area, but when then size of the area was compressed, some of the buttons were hidden. Now there is a single button with a pull-down menu that allows selecting what objects are displayed.

- Both the db_collation.sh file and the db_collation.bat file generate the "Main WARN Error while converting string [] to type," error message in the Command Prompt window at the end of their run. This message has no impact on the functionality of this post-installation utility, and it completes the run successfully.

- The load_repos.sh file generates the "WARNING: sun.reflect.Reflection.getCaller Class is not supported. This will impact performance," error message in the Command Prompt window at the end of its run. In addition, the db_inplace_update.sh, WFReposUtilCMDLine.sh, and update_repos.sh files generate the "Main WARN Error while converting string [ ] to type," error message in the Command Prompt window at the end of their run. These messages have no impact on the functionality of these post installation utilities, and each one completes its run successfully.

## System Requirements

This release is now certified and has been tested with Google Chrome version 79, Firefox version 73, Microsoft Edge version 44 (WebFOCUS only), and Internet Explorer 11. Internet Explorer Compatibility mode is not supported. For additional browser details, see *Browser Information*.

For more information on supported clients and more, see *Release Information*.

# Feedback

*Customer success is our top priority. Connect with us today!*

Information Builders Technical Content Management team is comprised of many talented individuals who work together to design and deliver quality technical documentation products. Your feedback supports our ongoing efforts!

You can also preview new innovations to get an early look at new content products and services. Your participation helps us create great experiences for every customer.

To send us feedback or make a connection, contact Sarah Buccellato, Technical Editor, Technical Content Management at *Sarah_Buccellato@ibi.com.*

To request permission to repurpose copyrighted material, please contact Frances Gambino, Vice President, Technical Content Management at *Frances_Gambino@ibi.com.*

# WebFOCUS

Release 8207.04

About This Release

DN4501645.0220

Information Builders

Information Builders, Inc.
Two Penn Plaza
New York, NY 10121-2898