

# ibi<sup>TM</sup> WebFOCUS<sup>®</sup>

## Release Notes

Version 9.3.7 | March 2026

Document Updated: May 2026

# Contents

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<b>Contents</b>	<b>2</b>
<b>Version 9.3.7</b>	<b>5</b>
Release and Gen Information	5
New Features	5
Changes in Functionality	11
Migration and Compatibility	12
Upgrading from Release 9.3.x to Release 9.3.7	12
Closed Issues	14
<b>Version 9.3.6</b>	<b>27</b>
Release and Gen Information	27
New Features	27
Changes in Functionality	33
Closed Issues	34
<b>Version 9.3.5</b>	<b>45</b>
Release and Gen Information	45
New Features	45
Changes in Functionality	50
Migration and Compatibility	51
Closed Issues	51
<b>Version 9.3.4</b>	<b>62</b>
Release and Gen Information	62
New Features	62
Changes in Functionality	63
Migration and Compatibility	64

Closed Issues .....	64
<b>Version 9.3.3 .....</b>	<b>66</b>
Release and Gen Information .....	66
New Features .....	66
Changes in Platform Support .....	67
Closed Issues .....	67
<b>Version 9.3.2 .....</b>	<b>71</b>
Release and Gen Information .....	71
New Features .....	71
Changes in Functionality .....	73
Migration and Compatibility .....	73
Closed Issues .....	74
<b>Version 9.3.1 .....</b>	<b>80</b>
Release and Gen Information .....	80
New Features .....	80
Changes in Functionality .....	81
Closed Issues .....	81
<b>Version 9.3.0 .....</b>	<b>83</b>
Release and Gen Information .....	83
New Features .....	83
Changes in Functionality .....	100
Migration and Compatibility .....	100
Closed Issues .....	101
<b>Deprecated Features .....</b>	<b>135</b>
<b>Removed Features .....</b>	<b>136</b>
<b>Known Issues .....</b>	<b>138</b>

<b>Release Information</b>	<b>139</b>
Browser Information	139
ibi WebFOCUS Accessibility Compliance	141
Measures to Support Accessibility	141
Conformance Status	142
Accessible Functional Scope	143
Technical Specifications	144
Limitations	144
ibi WebFOCUS Client Supported Operating Systems	145
ibi WebFOCUS Support Statement for Java Platform, Standard Edition (Java SE)	147
Supported Web and App Servers	147
ibi WebFOCUS Client Repository Supported RDBMS and Drivers	148
Localization (NLV) and NLS Support	151
National Language Support (NLS)	152
Localized Version Support (NLV)	152
ibi WebFOCUS and ibi WebFOCUS Reporting Server	152
ibi WebFOCUS Client and WebFOCUS® ReportCaster	155
ibi WebFOCUS Reporting and Microsoft Office Support	156
ibi WebFOCUS Reporting Formats and Microsoft Product Association	156
<b>ibi Documentation and Support Services</b>	<b>160</b>
<b>Legal and Third-Party Notices</b>	<b>162</b>

# Version 9.3.7

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

Release Date	Gen Information	WebFOCUS Reporting Server
March 2026	wf031926a	937 Gen 3005
	wf031926a	
	as031926a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

### ibi™ WebFOCUS® Client

- **Reporting Server Node Status and Selection Interface**

The server node dropdown has been replaced with a new Select Server Node dialog to provide better performance and visibility for environments with numerous nodes, as well as the ability to perform a quick status refresh. An interactive table allows administrators to view real-time dynamic statuses, such as Running, Down, or Login Required and switch between the nodes displayed in the ibi™ WebFOCUS® Hub's

Application Directories and Management Center. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **DEFINE and COMPUTE Enhancements**

**DEFINE** and **COMPUTE** fields are now visually distinct from standard Dimensions and Measures, improving workspace navigation. The UI automatically expands the target folder after a new DEFINE is created, providing better visual confirmation and faster access. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Support Report Autofit in Designer**

You can now configure reports in ibi™ WebFOCUS® Designer to automatically expand to the full width of the canvas or runtime container. When enabled, the report dynamically stretches to fill its parent container at runtime. This feature is exclusively available for HTML format reports. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Line Chart Series Styling**

You can now customize the appearance of line series within your charts to create more meaningful and readable visualizations. You can modify the width, pattern, and color of lines. You can apply unique styling to individual lines or a uniform style to all series simultaneously. This feature is available only for line charts. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Support for Is Missing and Is Not Missing Filter Option**

Designer now includes **Is Missing** and **Is Not Missing** filter options for a consistent filtering experience across authoring tools. These options allow you to specifically target or exclude records where data is absent. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Report Header or Footer**

ibi™ WebFOCUS® Designer now features an enhanced dialog for managing Report Headings and Report Footings. You can style text, insert dynamic content, and create complex multi-line headers with specific alignment. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Ability to Change the Angle for Axis Labels in a Matrix Marker Chart**

**Matrix Charts** now include a **Label Rotation** setting. This allows you to adjust the orientation of your **Row** and **Column** axis titles for improved clarity, especially with long or overlapping text. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Ability to Specify a Default Value for Unbound Controls**

**Static Unbound Controls** now support the same **Data Settings** as bound controls. This enhancement eliminates the **No Values** placeholder, providing a more seamless authoring experience. You can include an **All** option, customize its display text, and specify a default value for controls, such as **Dropdown**, **Button Set**, **Checkbox**, **Radio Button**, or **Double List**. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **Designer Support for Radar Charts**

**Radar** charts are now available in ibi™ WebFOCUS® Designer. You can choose from three distinct styles: **Radar Line**, **Radar Area**, or **Radar Scatter Plot**. For more information, see [ibi™ WebFOCUS® User Guide](#).

- **PDF Fillable Fields**

ibi™ WebFOCUS® now supports the inclusion of interactive, fillable text fields within the **HEADING** and **FOOTING** sections of a PDF report. This is controlled via specific syntax in the report request and styled using the StyleSheet.

These are generated using the **OBJECT** attribute within a **TABLE** request. For more information, see [ibi™ WebFOCUS® User Guide](#).

## ibi™ WebFOCUS® ReportCaster

- **Multiple Recurrences for ReportCaster Schedules**

You can now define multiple recurrences for ibi™ WebFOCUS® ReportCaster schedules. This capability provides greater flexibility in managing scheduled tasks by allowing you to set complex recurrence rules. For more information, see [Recurrence](#) in [ibi™ WebFOCUS® ReportCaster Guide](#).

- **Silent Schedule Execution**

ibi™ WebFOCUS® ReportCaster schedule now has an option **Do not distribute** to allow ibi™ WebFOCUS® procedures (server or client) and schedule tasks to run without distribution. For more information, see [Distribution](#) in [ibi™ WebFOCUS® ReportCaster Guide](#).

- **Subscribe to Report**

The **Subscribe to Report** feature now allows you to subscribe to charts and reports from the Hub. It provides a simplified interface for sending immediate emails. For more information, see [ibi™ WebFOCUS® ReportCaster User Guide](#).

- **Date Picker for Amper Variables in ReportCaster Schedules**

When scheduling reports in ibi™ WebFOCUS® ReportCaster that use date-formatted amper variables, you can now select dates using an intuitive calendar icon instead of manual entry. This addition improves accuracy and user experience for ibi™ WebFOCUS® Report, ibi™ WebFOCUS® Server Procedure, and ibi™ WebFOCUS® Schedule task types. For more information, see [ibi™ WebFOCUS® ReportCaster User Guide](#).

## ibi™ WebFOCUS® Reporting Server

- **Exclude Reporting Server from SOLR Indexing**

A new configuration setting allows you to prevent a specific reporting server from being indexed by SOLR, enabling you to optimize resource usage and search performance by excluding unnecessary servers. For more information, see [Miscellaneous Settings](#) in *ibi™ WebFOCUS® Reporting Server Administration*.

- **Support for ARM Processors**

ibi™ WebFOCUS® Reporting Server now supports installation on machines with ARM-type processors. This expansion allows you to deploy the server on a wider range of hardware, including modern tablets and newer laptops, enhancing flexibility and accessibility.

- **License Key Expiration Alerts**

ibi™ WebFOCUS® Reporting Server now writes alerts related to license key expiration to the `edaprint.log` file at startup. This feature provides timely notifications regarding upcoming license renewals, helping to ensure continuous operation and prevent service interruptions.

- **Control Proxy Usage for the REST Adapter**

You can now configure the REST Adapter to bypass proxy settings, by disabling proxy usage (`NO_PROXY`) explicitly when needed. For more information, see [Setting NO\\_PROXY to Control Over Network Routing](#) in *ibi™ WebFOCUS® Reporting Server Administration*.

- **Improved APT Processing for the Table Function Joins**

The following adapters now support advanced Automatic Passthru (APT) for joins of two table functions where input parameters are expressions.

- Adapter for Databricks
- Adapter for DB2



- Adapter for Greenplum
- Adapter for Microsoft SQL Server
- Adapter for Oracle
- Adapter for PostgreSQL

This enhancement optimizes queries and improves data retrieval efficiency, leading to a better user experience.

- **Control Synonym Title and Description in Reporting Server Console**

You can now directly define and manage the **Title** and **Description** fields when creating metadata synonyms through the **Show DBMS object** option on the Reporting Server console. For more information, see [Additional Master File Attributes](#) in *ibi™ WebFOCUS® Reporting Server Adapter Administration*.

- **Increased Maximum Column Size for Oracle 21+**

You can now create tables with longer, more descriptive column names when using the Adapter for Oracle 21+. The support for 128-byte Oracle object identifiers improves naming clarity and system compatibility.

- **Support for Databricks Metric Views**

ibi™ WebFOCUS® now provides native support for the Databricks Metric Views functionality. This integration allows organizations to treat complex, pre-defined business logic in Databricks as a standard data source for reporting and advanced analytics. For more information, see [Synonym Creation Parameters for Databricks](#) in *ibi™ WebFOCUS® Reporting Server Adapter Administration*.

- **New SQL Functions: VAR\_POP and VAR\_SAMP**

You can now utilize the following new SQL analytics functions for more comprehensive statistical analysis within your queries:

- VAR\_POP (population variance)
- VAR\_SAMP (sample variance)

These functions provide enhanced data analysis capabilities. For more information, see [SQL Analytic Functions](#) in *ibi™ Data Migrator Functions Reference*.

- **Optimized SQL Processing for CONTAINS and OMITS Operators**

This enhancement addresses a previous performance issue by optimizing for CONTAINS and OMITS operators in scenarios where the search pattern is a non-literal expression. This ensures that the query builder maintains compatibility and

predictable execution plans when dynamic search criteria are provided, thus generating faster results for complex search operations.

## ibi™ WebFOCUS® Adapters

- **New Adapter Setting to Overwrite TBL\_STORED\_AS**

A new adapter setting governs the ETL-TRG-TBL\_STORED\_AS value whenever you:

- Create a target in a data flow
- Upload data via the **Get Data** page
- Use the Quick Copy option

This provides flexibility and control when defining how tables are stored in your data environment. For more information, see [ibi™ WebFOCUS® Reporting Server Administration](#).

- **Adapter for Denodo - Enhanced Support in Data Flow Operations**

The Adapter for Denodo now supports write operations to facilitate stable and reliable data processing. Earlier, the lack of support for write operations prevented the adapter from being designated as a target database within data flows. For more information, see [Relational Data Targets](#) *ibi™ Data Migrator User Guide*.

- **Adapter for Salesforce - Allow Data Load Options**

You can now configure **Allow Data Load** options for the Adapter for Salesforce. For more information, see [Salesforce.com Connection Parameters](#) in *ibi™ WebFOCUS® Reporting Server Adapter Administration*.

- **Process Joins to Table Functions in Designer, Data Flow, and Synonym Editor**

By utilizing the metadata layer in ibi™ Data Migrator and ibi™ WebFOCUS®, you can join dynamic, parameter-driven table functions with standard DBMS objects. This allows for the creation of complex, real-time data transformations within a visual interface, effectively removing the requirement for intermediate staging tables. For more information, see:

- [Creating Synonyms](#) in *ibi™ WebFOCUS® Reporting Server Administration*
- [Joining Data](#) in *ibi™ WebFOCUS® Designer User Guide*

- **Improved Join Optimization for FOCUS Files with Oracle Tables**

When the ENGINE INT SET FCA JOINOPT setting is active, the joins between a FOCUS

file and an Oracle table are optimized, improving performance and query execution for complex data integrations. This enhancement addresses a previous issue where joins incorrectly defaulted to a nested loop type. For more information, see [Optimization Settings](#) in *ibi™ WebFOCUS® Reporting Server Adapter Administration*.

- **Enhanced CACHE Processing for SQL Synonyms, Cross-DBMS Joins, and DB\_LOOKUP**

To optimize the performance of the cross-DBMS joins, these two settings can now be used to improve cache processing:

- ENGINE INT CACHE SET ON
- ENGINE INT CACHE THRESHOLD sql\_static\_limit

The system now caches intermediate result sets, leading to faster data retrieval. For more information, see [Optimization Settings](#) in *ibi™ WebFOCUS® Reporting Server Administration*.

- **Adapter for Databricks - STAGE Option for HOLD Files**

The STAGE option for creating a HOLD file is now available in the Adapter for Databricks. The STAGE option for the SAME\_DB PERSISTENCE HOLD file handles temporary storage by prioritizing volatile tables for better efficiency. If the database management system does not support volatile tables, a uniquely named permanent table is created (by adding a time stamp). The user is responsible for dropping this table after the process is complete.

For more information about the HOLD file and its parameters, see [Using DBMS Temporary Tables as HOLD Files](#) in the *ibi™ WebFOCUS® Creating Reports with ibi™ WebFOCUS® Language* guide.

## Changes in Functionality

The following functionality and features have been changed in this release of ibi™ WebFOCUS®.

- **TLS Encryption in an i5/OS Environment**

In an i5/OS environment, TLS is enabled in JSCOM when ibi™ WebFOCUS® Reporting Server is started in SSL mode. Earlier this functionality was available only on Windows and Linux.

- **NLQ Model upgraded from Phi-3 to Phi-4 Mini with LangChain Framework**

The NLQ model requires an NVIDIA GPU with CUDA support for inference. A minimum of 16 GB GPU memory is recommended to ensure stable performance and to avoid CUDA out-of-memory conditions. While GPUs with lower memory may function depending on configuration, 16 GB GPU memory is the recommended baseline.

- **New Distribution Privileges for Roles**

Three new security privileges have been added to ibi™ WebFOCUS® to allow users to distribute scheduled output to modern messaging platforms: `opDistributeSlack`, `opDistributeGoogleChat`, and `opDistributeMSTeams`. These privileges are applied by default to the existing pre-defined roles that already permit distribution of other schedule types.

- **Extended Output Formats Available at Run Time for Reports and Charts**

The list of output formats available at run time, when the **Select at runtime** option is enabled via Designer, has been extended to match the formats available at design time. This ensures that users can select all available output types for both reports and charts when prompted at run time.

## Migration and Compatibility

This section describes the migration issues in this release of ibi™ WebFOCUS®.

### Upgrading from Release 9.3.x to Release 9.3.7

The upgrade of ibi™ WebFOCUS® and ibi™ WebFOCUS® Installer from version 9.3.x to version 9.3.7 might fail if the Windows Management Instrumentation Command-line (WMIC) utility is disabled in Windows 11. Before upgrading the product to release 9.3.7, you must enable or install WMIC as applicable:

- [WMIC is Disabled](#)
- [WMIC is Missing](#)

#### WMIC is Disabled

Check if WMIC is enabled. If WMIC is disabled, you must enable it before the upgrade.

1. Verify the Windows version by typing `winver` / `?` in the Windows search bar.


2. Verify if WMIC is enabled:
  - a. Open a command prompt (cmd) with the **Run as Administrator** option.
  - b. Type `wmic`  
If the command is not recognized, WMIC is disabled or removed.
3. To enable WMIC on Windows 11:
  - a. Open **Settings** (Win + I) and go to **System > Optional Features**.
  - b. Click **View features**.
  - c. Click **See available features**.
  - d. In the search bar, type **WMIC**.
  - e. Select the checkbox for WMIC, click **Add**, and then click **Install**.

After the WMIC installation is complete, open a command prompt and type `wmic` to verify that it works. Then start the upgrade installation.

## WMIC is Missing

If WMIC is missing or if the version of Windows 11 does not allow you to install WMIC, perform the following steps **during** the upgrade process:

1. Start the upgrade installation.
2. After typing in the repository ID and password in the panel, an authentication error message is displayed.

 **Note:** At this step, it is assumed that you provided valid credentials and that the repository database is running.

3. In the error dialog, click **Try again**.
4. Minimize the install panel.
5. Using Windows explorer, go to the `%USERPROFILE%` folder.
6. Open the latest WebFOCUS log file, whose file name matches the following pattern:
  - For WebFOCUS:  
`WebFOCUS93_YYYY_MM_DDTHH_MM_SS_###.log`

For example,

```
WebFOCUS93_2026_03_30T02_04_08_478.log
```

- For WebFOCUS Integrated Install:

```
WebFOCUS_WFI_Debug_MM_DD_YYYY_HH_MM.log
```

For example,

```
WebFOCUS_WFI_Debug_03_30_2026_17_56_44.log
```

7. Search for CheckWFOUpgradeCred.bat and its path.

The path matches the following pattern:

```
%USERPROFILE%\AppData\Local\Temp\<some  
numbers>.tmp\CheckWFOUpgradeCred.bat
```

For example,

```
C:\Users\  
{userID}\AppData\Local\Temp\222350.tmp\CheckWFOUpgradeCred.bat
```

8. Open CheckWFOUpgradeCred.bat in a text editor.

- a. Add the following line: :done\_ts

after the following line: Set TimeStamp=%TimeStamp: =0%

So that the file contains these lines in the following order:

```
Set TimeStamp=%TimeStamp: =0%  
:done_ts
```

- b. Save the file and close Windows explorer.

9. Go back to the install panel and enter the credentials again.

The install should proceed normally and complete.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

## ibi™ WebFOCUS® Client

Key	Summary
BIP-5304	The BIP V3 Portal on the Custom Welcome Page causes browser memory to increase continuously, leading to high CPU consumption and browser crashes due to out-of-memory errors. (2547267, 2547267)
CD-7733	The <b>JSURLS</b> setting in a visualization is unchecked when a saved visualization is reopened and the <b>SET</b> command is selected. (2316405, 2539196)
CD-7732	In ibi™ WebFOCUS® Designer, when validating a new DEFINE field with a numeric name, the displayed error message is inconsistent with ibi™ WebFOCUS® InfoAssist. (2538492)
CD-7692	When you use the <b>Save As</b> option for a visualization, document, or page and attempt to rename an existing procedure, the system incorrectly prompts you to overwrite an existing file. After this prompt, the system fails to save the new file with the specified new name.". (2543648)
CD-7686	After converting a Designer visualization to a page, headings and footings do not correctly display National Language Support (NLS) characters when edited directly. (2543374)
CD-7672	In ibi™ WebFOCUS® Designer, the Japanese translations for <b>Sub Header</b> and <b>Sub Footer</b> are inconsistent with the translations used in ibi™ WebFOCUS® InfoAssist. (2543814)
CD-7654	When creating a standard or grid report in ibi™ WebFOCUS® Designer Visualization, the Japanese label for <b>Report Footing</b> (レポート脚注) incorrectly displays as (レポートの根拠) in the <b>Content Settings</b> section. (2540901)
CD-7644	In ibi™ WebFOCUS® Designer, users are unable to add or create a <b>COMPUTE</b> field for <b>Single</b> or <b>Multilayer Map</b> visualizations. (2526468)
CD-7643	In ibi™ WebFOCUS® Designer Compose Document, when inserting a chart created with <b>Visualization</b> into the document area, the live

Key	Summary
	preview displays the chart incorrectly. (2542281)
CD-7586	Duplicate validation dialogs are displayed when deleting a <b>DEFINE</b> field used in a filter. (2528107)
CD-7579	When creating group values in Designer visualizations, changing the group name does not update the displayed group name. (2536364)
CD-7560	The <b>Enable Footing</b> option activates automatically when a user renames a Field Title. (2535065)
CD-7559	In the <b>Edit Component Header</b> panel, drag works for variables but fails for fields, even though the cursor indicates a valid drop target. (2533970)
CD-7532	Opening an ibi™ WebFOCUS® InfoAssist <b>Radar Line</b> or <b>Radar Surface</b> chart in Designer incorrectly converts it to a <b>Bar</b> chart. (2531563)
CD-7524	A <b>File Not Found</b> error occurs after clicking Content twice in the <b>Open</b> dialog while configuring a drilldown. (2529131)
CLRPT-5094	<b>CM Export</b> downloads for users with special characters (such as hyphens) in their usernames generate an invalid path error. (2545864)
CLRPT-5091	The <b>ALL</b> option does not display for single-value dropdowns when wf_composer_add_ALL_always is set to YES. (2536216)
CLRPT-5087	In ibi™ WebFOCUS® Hub, when viewing a workspace in <b>List View</b> , content icons for certain file formats (such as images, XLSX, PDF, and TXT) display as a ? symbol instead of the correct file icon. (2537708)
CLRPT-5086	When creating an export package scenario, the <b>With Private Content</b> selections for some folders are not retained after saving and reopening the scenario, leading to incomplete exports. (2546811)
CLRPT-5073	Redirection settings are not respected for the direct retrieval of MIME types. (2495296)



Key	Summary
CLRPT-5067	When using Anonymous Authentication in ibi™ WebFOCUS® 9.3.6, running an HTML file via the WFServlet URL with -HTMLFORM results in an infinite page refresh loop if the user is not logged into the ibi™ WebFOCUS® Client. (2543403)
CLRPT-5061	A dynamic list is not returned for anonymous users. (2534661)
CLRPT-5056	After upgrading ibi™ WebFOCUS® to 9.3.6, public portal HTML pages for anonymous users appear blank and show a MIME type text/html not executable error in the developer console. (2538997)
CLRPT-5053	For a report that has an embedded thumbnail, if you change the thumbnail to be the default thumbnail, and then edit the .fex file and save, the thumbnail changes back to the embedded thumbnail. (2235817)
CLRPT-5025	Drilldown execution fails with an FOC804 error when attempting to pass multi-select values from an autoprompt to a target procedure's <b>Group By</b> field. (2514423)
CLRPT-5010	ibi™ WebFOCUS® Repository upgraded on ISO-8859-1 code page Db2 fails. (2533441)
CLRPT-4991	Legacy multi-select parameters are handled inconsistently depending on whether the parameter name ends in a number or a letter. (2531123)
CLRPT-4977	JavaScript added to an unpublished Assembled visualization does not get carried over if another user edits it from admin view. (2327799)
IA-12413	In ibi™ WebFOCUS® InfoAssist, setting the <b>Description</b> of a JOIN to a name different from the <b>Internal Name</b> causes an FOC003 error. (2536343)
IBIDF-4677	The <b>Default Date Range</b> filter tooltip incorrectly displays <b>No value selected</b> instead of its default values. (2538416)

Key	Summary
IBIDF-4662	In the ibi™ WebFOCUS® Designer page, the double list box <b>Clear List</b> option removes the <b>ALL</b> selection and causes (FOC260) AN OPERATION IS MISSING AN ARGUMENT errors. (2538402)
IBIDF-4630	When the <b>Prompt Parameter Property Unset</b> is set to <b>Always Prompt</b> , users receive an ERROR_ACTION_NOT_IMPLEMENTED(1215) error in the event log file. (2527407)
IBIUX-3289	The <b>+ Content</b> button incorrectly activates when selecting <b>Shared Content</b> while <b>Folder Properties</b> are open in ibi™ WebFOCUS® Hub. (2532961, 2532961)
IBIUX-3259	The Japanese translation of the <b>The dates</b> information tooltip under new <b>Recurrence</b> includes an extra character. (2542904)
IBIUX-3258	The <b>Enable automatic logout</b> option in the BI Portal configuration does not function as expected. (2538247)
IBIUX-3255	The Japanese translation for the IBI_DESIGNER_AUTOPROMPT_THEME parameter in the <b>Administration Console</b> is incorrect. (2545150)
IBIUX-3252	The Japanese text for <b>Application Log Files</b> appears garbled. (2542294)
IBIUX-3248	The <b>delete</b> warning message in Japanese requires an update. (2540688)
IBIUX-3228	The export scenario window is too small. (2517835)
IBIUX-3216	The <b>Create Visualization</b> button remains active after unselecting a master file via breadcrumbs and clicking it without a selected data source causes endless loading and errors. (2507126)
IBIUX-3214	In ibi™ WebFOCUS® Hub Workspaces, when the properties panel is opened and the browser size is reduced, the list of files does not display in <b>List View</b> . (2469868)

Key	Summary
IBIUX-3199	The <b>Duplicate</b> option is missing in ibi™ WebFOCUS® ReportCaster Explorer for users with <b>Create Items</b> privilege. (2509098)
IBIUX-3172	A custom logo on the ibi™ WebFOCUS® Reporting Server console does not reload after the user clicks it to return to the Web Console Application Directories. (2486617)
IBIUX-3162	When using the <b>Designer Autoprompt</b> template, dynamic parameters in reports do not preselect all values. (2525635, 2527379, 2525635)
IDA-1811	The fly-out menu in the AHML(AR1) report does not display the same way as in the HFREEZE=OFF report when HFREEZE=ON is applied. (2531756)
IDA-1798	IDA returns NaN for YYMTr format. (2521490)
IDA-1777	An error occurs moving three fields to the Rows bucket in EDIT mode, where ALLOW-NOPRINT=OFF and COMPUTE=NOPRINT. (2505591)
IDA-1775	The underline color of the active drilldown style is incorrect. (2506139, 2506139)
RC-4509	In ibi™ WebFOCUS® version 9.3.2, schedules migrated from versions between 8009 and 8207 to version 9.3.2 do not open. (2508738)
RSTY-2679	Running a schedule with a multi-sheet XLSX report fails with an error <b>No reports to distribute</b> . (2475618)
VIZ-1197	In <b>Datatables Grid</b> charts, the column title overlaps the sort arrow icon. (2533958)
VIZ-1179	Data labels for small numerical values display inconsistently. (2488982)
VIZ-1166	In a <b>Stacked Bar</b> chart, some data labels are displayed in white against a white background, making them illegible. (2497251)

## ibi™ WebFOCUS® Installer

Key	Summary
IBIINST-3347	Upgrading WebFOCUS from version 8207.28 to 9.3.x on Linux using Java 11 or above fails with an authentication error. (2535899)
IBIINST-3329	Upgrading ibi™ WebFOCUS® App Studio from versions 9.3.4 or 9.3.5 to version 9.3.6 fails. (2533004)
IBIINST-3327	Upgrading from ibi™ WebFOCUS® Client version 9.3.4 (without ReportCaster) to version 9.3.5 or 9.3.6 stops after the <b>Pre-installation Summary</b> step, and the following message is displayed. (2526592, 2532494) <div> Please wait, WebFOCUS 9.3 is being configured for your system. This may take a moment... </div>
IBIINST-3319	Upgrading ReportCaster from version 9.0.4 to 9.3.5 or 9.3.6 fails despite providing the correct path. (2524475)

## ibi™ WebFOCUS® DSML Services

Key	Summary
DATASC-1719	Application directories are unavailable when GET URLs on the home page contain blocked characters (brackets and double quotes). (2521114)
DATASC-1732	Time Series Forecasting generates a run error. (2519845)

## ibi™ WebFOCUS® Reporting Server Adapters

Key	Summary
SRVADPT-4115	While fetching Apache Kafka® topic messages, the request fails, and sometimes socket write errors are displayed. (2534485, 2542099)
SRVADPT-4114	Although the underlying dataset has no data, the Adapter for REST retrieves and displays records containing 0/NULL values instead of 0 records. (2541050)
SRVADPT-4109	<p>The Adapter for Greenplum cannot process the selected table because it does not support the timestampz data type, resulting in the following error. (2542803)</p> <pre>Type=1184 is not supported.</pre>
SRVADPT-4107	The Sample Data call to create synonyms using the Adapter for Microsoft Sharepoint causes the agent to stop working. (2540208, 2545433)
SRVADPT-4098	The Adapter for Google BigQuery triggers a syntax error (FOC1500) regarding an invalid empty identifier. This occurs specifically when a table function synonym is mapped to a secondary (non-default) connection. (2541695)
SRVADPT-4062	On the <b>Create Synonym</b> dialog of the Adapter for BigQuery, an (FOC1500): [00000] Access Denied error is displayed when changing the Object Type to Table Functions. (2538842)
SRVADPT-4039	In the Adapter for Git, the <b>Delete Repo</b> command intermittently fails to delete the local repository. (2531523)
SRVADPT-4027	When running date functions on a server utilizing a Japanese code page, an ORA-01858 error (non-numeric character found where a numeric was expected) occurs. (2477687)

Key	Summary
SRVADPT-4024	The server does not use the absolute path in the HTTP header if proxy server is used and https is configured. (2478465)
SRVADPT-4007	<p>The Adapter for Snowflake ODBC is not present in the RedHat 8 Linux builds. The following error is displayed. (2526791)</p> <pre>(FOC1261) PHYSICAL INTERFACE NOT FOUND FOR SUFFIX SQLSNO MODULE NAME: OD3SNO</pre>
SRVADPT-4004	In the Adapter for Microsoft ODBC, even after setting the connection encryption to YES, the setting changes to ENCRYPT=NO in the final connection attributes. (2321681)
SRVADPT-4000	In the Adapter for Microsoft SQL output, when you run the print procedure for a field defined with the TEXT data type, the records are displayed split across multiple lines. (2494762)
SRVADPT-3990	When the PRIOR_WEEK_BEGIN function is used in the DEFINE clause of the SUBHEAD or SUBFOOT code in the Web Server console, the report fails with error code FOC406. (2517154)
SRVADPT-3985	Intermittent Microsoft Fabric Analysis Services errors occur when running WebFOCUS reports. (2495767)
SRVADPT-3974	<p>When a DEFINE statement is used with the ENGINE INT SET FCA JOINOPT setting, the following errors are generated. (2527976)</p> <pre>(FOC003) THE FIELDNAME IS NOT RECOGNIZED: (FOC009) Request failed validation, not executed. (FOC205) THE DESCRIPTION CANNOT BE FOUND FOR FILE NAMED</pre>
SRVADPT-3918	When <b>Show Topics</b> is selected to create the synonym for the Adapter for Kafka, the task fails with an FOC31048 error. (2493116)

## ibi™ Data Migrator

Key	Summary
SRVDM-1096	In the data flow, the source transforms that use system variables (for example, &YYMD) work as expected during creation but erroneously disappear immediately after adding a target object to the palette. (2535459)

## ibi™ WebFOCUS® Reporting Server Data Assist

Key	Summary
SRVDA-2996	Joining two ibi™ FOCUS® files via the <b>Prepare/Extract Data</b> feature and then transitioning to the <b>Visualization</b> tab generates an FOC205 error. (2542285)
SRVDA-2985	While the <b>Join Editor</b> is active within the <b>Designer Data</b> tab, the global <b>Undo/Redo</b> buttons are not disabled. (2536354)
SRVDA-2983	In the WebFOCUS Designer <b>Data</b> tab and Data Migrator Data Flow, the defined target table name is incorrectly converted to lowercase when the dialog is opened for editing. (2530527)
SRVDA-2979	When the SET DEFECHO=ALL command is active within the edasprof.prp global file, the time zone data for the <b>Country</b> field fails to load correctly, resulting in a null or blank string. (2528428)
SRVDA-2974	A Business View master file with dependent COMPUTE fields renders correctly in tabular reports but fails or shows incorrect data in charts. (2525459)
SRVDA-2955	If the same page is run twice within a single session, the filter value becomes inaccessible during the second run. (2252786)
SRVDA-2942	When creating a visualization, the <b>Advanced</b> button is obscured by the <b>Run</b> button at standard 100% browser zoom level. (2531546)

Key	Summary
SRVDA-2939	In the Designer <b>Data</b> tab, the scroll wheel on a mouse fails to navigate the values list within the filter creation interface, forcing users to interact manually with the scroll bar. (2532688)
SRVDA-2933	ibi™ Open Data Hub for Mainframe lacks the necessary granularity to display Business View information when Power BI is selected as the source. (2532543)
SRVDA-2924	After selecting None as the delimiter option, the upload file task fails, and the following error message is displayed. (2324769)
	Please provide value for the Delimiter field.
SRVDA-2923	On the Visualization tab, the filter menu items on the Data tab are displayed in English instead of Japanese for UTF-8/SJIS. (2320338)
SRVDA-2866	In ibi™ WebFOCUS® Reporting Server, after canceling the remote server configuration, any subsequent attempts to configure an Adapter for Remote Server result in a blank configuration page where you cannot enter any configuration details. (2146370)

## ibi™ WebFOCUS® Reporting Server Workspace

Key	Summary
SRVWKSPC-4424	Generating a Linux-based report using the Excel template causes the agent to stop working and the following error is displayed. (2537080, 2531487)
	Error: Session lost, agent crashed or killed.
SRVWKSPC-4418	Enabling HTTPS on the ibi™ WebFOCUS® Reporting Server triggers the following error within the Maintain application. (2529782)



Key	Summary
	Reporting Server Error: Node EDASERVE is not available
SRVWKSPC-4396	When the PCHOLD FORMAT XLSX TEMPLATE command is invoked, an intermediate HTML file is created in the template's source directory. (2539439)
SRVWKSPC-4394	The Telemetry API call to verify embedded users causes a memory leak. (2529488)
SRVWKSPC-4359	When configuring Core Engine Global Variables through the ibi™ WebFOCUS® Reporting Server Web Console, the previously defined SET commands in the edasprof.prf global profile are inadvertently removed. (2531821)
SRVWKSPC-4357	The TSCOM agent stops running because of invalid memory management within a system-level function. (2479161)

## ibi™ WebFOCUS® Resource Management

Key	Summary
SRVRM-322	The domain usage report is not displayed when Data Request Monitoring is turned on from the <b>Resource Management screen &gt; Domain Usage</b> page. (2508547)
SRVRM-321	Although ibi™ WebFOCUS® Reporting Server is configured for Japanese (SJIS/UTF-8) and correctly localized, the Commands option in repository properties remains in English. (2527885)

## ibi™ WebFOCUS® App Studio

Key	Summary
IBIAS-8902	Source Control configuration is not available in ibi™ WebFOCUS® App Studio. (2537854)

# Version 9.3.6

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

Release Date	Gen Information	WebFOCUS Reporting Server
November 2025	wf102625a	936 Gen 2997
	wi102625a	
	as090925b	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

### ibi™ WebFOCUS® Client

- **New Subheader and Subfooter Management for Report Sort Fields**

You can now add, edit, and remove customizable **Subheaders** and **Subfooters** in the Rows bucket. You can edit the subheader or subfooter using WYSIWYG text editor options, which provide detailed control over subheader or subfooter text and formatting. For more information, see *ibi™ WebFOCUS® User Guide*.

- **Designer Multi-Field Selection for Reports and Visualizations**

Users can now select multiple fields in the field list. Selected fields can be dragged simultaneously to the Rows/Summaries (Reports) or Vertical/Horizontal (Charts) buckets, or dropped directly onto the canvas, streamlining the process of adding multiple data elements to a query. For more information, see *ibi™ WebFOCUS® User Guide*.

- **Enhanced Date Filter Options in Designer**

When creating a prompted filter on a date field, a new **On** option is available on the right-click menu (positioned between Range and Greater than or Equal). This option allows users to select a single specific date via a calendar control, applying an exact EQ (Equal to) condition to the filter syntax. For more information, see *ibi™ WebFOCUS® User Guide*.

- **Enhanced UI for Component-Based Filter Inclusion/Exclusion**

ibi™ WebFOCUS® Designer now provides enhanced UI and distinct styling for component-based filters (read-only, authored, and variable) to clearly indicate their type and status. Users can right-click any filter pill to quickly include or exclude it, dynamically updating the styling the corresponding WHERE condition in the underlying query without deleting it. For more information, see *ibi™ WebFOCUS® User Guide*.

- **Dual Axis Chart Alignment at Zero**

A new property has been introduced for dual axis charts that allows users to align both the primary and secondary Y-axes at a specific value, typically zero. This feature ensures visual consistency and accurate alignment of chart elements for example, bars, and lines, particularly when one axis displays negative values. For more information, see *ibi™ WebFOCUS® User Guide*.

- **Enhanced Line Chart Smoothing Algorithm**

A new line connection option, `lineConnection: curveTangent`, has been introduced to improve the rendering of smoothed line charts. This option adjusts the Bezier curve algorithm to prevent the line from dipping below the local minimum data point, ensuring the visual integrity of the chart data relative to the X-axis. For more information, see *ibi™ WebFOCUS® Creating HTML5 Charts With ibi™ WebFOCUS® Language*.

- **Warning about Invalid Application Names**

In ibi™ WebFOCUS® Designer, a warning is displayed when the typed application name is invalid or does not exist.

- **Compound Interaction Conditions**

Users can now assign multiple, logically linked (AND/OR) filter conditions across

various filters to a single interaction task, enabling highly specific, multi-criteria trigger logic.

## ibi™ WebFOCUS® ReportCaster

- **Direct Parameter Name Editing in ReportCaster Tasks**

Users can now double-click the **Name** field of a user-added parameter within the Parameters tab of a task to directly edit and rename the variable, streamlining parameter management. This editing capability is restricted to user-created parameters only. For more information, see *ibi™ WebFOCUS® ReportCaster Guide*.

- **Audit Logging for Manual Schedule Submissions**

For improved auditability, the User ID of the individual who manually submits a schedule from the User Interface is now captured and recorded in the `audit.log`. For more information, see *ibi™ WebFOCUS® ReportCaster Guide*.

- **Sample Java Code**

The sample java codes for ibi™ WebFOCUS® ReportCaster legacy java API is updated in 9.3.6 release.

- **Support for Configured Distribution Directories in ReportCaster**

The ibi™ WebFOCUS® ReportCaster scheduling dialog for Repository distribution now supports the selection of **Distribution Directories** configured in the **Administration Console**. Users can now choose between the ibi™ WebFOCUS® Repository and available OS file system directories when defining the output location for scheduled reports. For more information, see *ibi™ WebFOCUS® ReportCaster Guide*.

- **ReportCaster FTP Distribution Enhancements**

You can now Specify the pattern (for example `&VARIABLE '%BURST' report`) to use to create the subfolder title. Also, it would create a folder if match is not found in the FTP Distribute option. For more information, see *ibi™ WebFOCUS® ReportCaster Guide*.

- **Support for Messaging Distribution**

ibi™ WebFOCUS® ReportCaster now supports distributing reports using messaging applications like Slack, Google Chat, and Microsoft Teams. For more information, see *ibi™ WebFOCUS® ReportCaster Guide*.

## ibi™ WebFOCUS® Reporting Server

- **Automating the LDAP Password Change**

In the WebFOCUS Reporting Server console, you can run the `edastart -change` command to change the password on any configured node and then store the updated password in the `edaserve.cfg` file in encrypted format. Restarting ibi™ Data Migrator, WebFOCUS Client, and WebFOCUS Reporting Server is required after the password change.

For more information about the `edastart` command, see the "Other Options" section in *ibi™ WebFOCUS® Reporting Server Administration*.

- **Manage Java temp Files in Java Services Configuration**

In the **Java Services Configuration > Advanced** section, a new parameter `TEMPDIR` has been added, where you can specify the path to create and store Java temp files.

For more information, see the "Java Services Configuration Parameters" section in *ibi™ WebFOCUS® Reporting Server Administration*.

- **New Data Service Statistics**

In the Reporting Server console, the following additional statistics are available in the **Workspace > Data Services > Statistics**:

- Max Response Time
- Max DBMS Time
- Max Server Time

These statistics are also returned in the following metrics request:

`http://host:port/metrics`

For more information about the statistics, see *ibi™ WebFOCUS® Reporting Server Administration*.

- **Login Required on the Metrics Page**

In all configurations, except in containers, the metrics page of ibi™ WebFOCUS® Reporting Server now requires you to sign in with valid credentials and then append the URL with the token followed by `/metrics`.

## ibi™ WebFOCUS® Adapters

- **New Adapter for Databricks (ODBC)**

The Adapter for Databricks (ODBC) is now available in ibi™ WebFOCUS®. The Adapter for Databricks allows applications to access Databricks data sources. It converts data or application requests into native Databricks SQL statements and returns optimized

answer sets to the requesting program. For more information, see the "Using the Adapter for Databricks (ODBC)" section in *ibi™ WebFOCUS® Adapter Administration*.

- **New Adapter for Denodo**

The Adapter for Denodo is now available in ibi™ WebFOCUS®. Using this adapter you can access Denodo Data Virtualization Platform objects for reporting. For more information, see the "Using the Adapter for Denodo" section in *ibi™ WebFOCUS® Adapter Administration*.

- **Stored Procedure Support in Adapters**

You can now create synonyms for stored procedures and use them in reports. The **Stored Procedures** option is now available in the **Object Type** filter in the following adapters:

- Adapter for Google BigQuery
- Adapter for Snowflake

For more information about adapters, see *ibi™ WebFOCUS® Adapter Administration*.

- **Table Functions Support in Adapters**

You can now create synonyms for table functions and use them in reports. The **Table Functions** option is now available in the **Object Type** filter for the following adapters:

- Adapter for Databricks
- Adapter for Google BigQuery
- Adapter for Greenplum
- Adapter for PostgreSQL
- Adapter for Snowflake

For more information about adapters, see *ibi™ WebFOCUS® Adapter Administration*.

- **Overloading of Table Function in Adapters**

Overloading the table function, that is, defining several functions with the same name but different numbers or types of parameters, is now supported in the following adapters:

- Adapter for IBM DB2
- Adapter for Greenplum

- Adapter for Oracle
- Adapter for PostgreSQL
- Adapter for Snowflake

The **Table Functions** option is now available in the **Object Type** filter. For more information about adapters, see *ibi™ WebFOCUS® Adapter Administration*.

- **Adapter for AWS S3 - Certificate-based Security Configuration**

You can configure the Adapter for AWS S3 by using the certification method. For more information, see the "Using the Adapter for Amazon AWS S3" section in *ibi™ WebFOCUS® Adapter Administration*.

- **Adapter for Google BigQuery - STAGE Option for HOLD Files**

The STAGE option for creating a HOLD file is now available in the Adapter for Google BigQuery. For more information about the HOLD file and its parameters, see *ibi™ WebFOCUS® Creating Reports with ibi™ WebFOCUS® Language* guide.

## ibi™ Data Migrator

- **New Adapter Format in the Data Flow Target**

In a data flow, when you add a target, a new adapter INTERNAL- Binary without padding is available in the **Adapter** dropdown list in the **Load Options** dialog. This adapter is already configured when you install the ibi™ WebFOCUS® Reporting Server. For more information, see the "Edit the Load Options for the Target" section in *ibi™ WebFOCUS® Reporting Server Administration*.

- **PARTITION\_AGGR Function**

In the ibi™ Data Migrator, CNT.DST is available as an aggregation prefix in the PARTITION\_AGGR function. For more information, see *ibi™ WebFOCUS® Using Functions*.

- **Adapter for Hyperstage PG**

In the Reporting Server console, the LOOKUP field is now available in the target field properties for the Adapter for Hyperstage PG.

- **Adapter for IBM DB2**

- When the optimized flow option is selected, the **Bulk Load Utility via a Disk File** option is available for the Adapter for IBM DB2, both in ibi™ Data Migrator and in the Reporting Server console.
- The change data capture feature is now available in version 12/13 of the



Adapter for IBM DB2 in ibi™ WebFOCUS® Reporting Server on z/OS environment.

- **Validation of JOIN Clauses**

In ibi™ WebFOCUS® Designer, from the **Data tab > Edit Link** dialog, all the JOIN clauses are validated and warnings are displayed for incomplete ones.

## Changes in Functionality

The following functionality and features have been changed in this release of ibi™ WebFOCUS®.

- **DSML python Examples are Removed**

The DSML examples in `etc/app_templates/python` are now enhanced and moved into the `etc/app_templates/datascience` and `etc/app_templates/ds` directories. Additionally, the **Create Python Examples** option in the WF Retail demo, which is used to run the DSML loader and pointed to a python directory under the `wf_retail` directory, has also been removed.

- **Logging Configuration URLs**

The following configured services in ibi™ WebFOCUS® Reporting Server are now logged in the `edaprint.log` file:

- clm URL
- NodeJS URL
- Python MicroService URL

- **Apache Commons Lang 3 Library Excluded from the ibi™ WebFOCUS® Reporting Server Package**

The Apache Commons Lang 3 library (`etc/java/misc/commons-lang3-3_6.jar`), for which a medium vulnerability CVE-2025-48924 was reported in the Mend (formerly WhiteSource) security report, is no longer included in the ibi™ WebFOCUS® Reporting Server product package.

- **Limit of edaprint\_history Increased**

In **Server Workspaces > Logs and Traces > Workspace Logs > Properties**, the maximum value of the `edaprint_history` parameter (that defines the number of saved `edaprint.log` files to keep) is now increased to 99,999. For more information

about the workspace log properties, see *ibi™ WebFOCUS® Reporting Server Administration*.

- **Extended Output Formats Available at Run Time for Reports and Charts**

The list of output formats available at run time, when the **Select at runtime** option is enabled via the Administration Console, has been extended to match the formats available at design time. This ensures that users can select all available output types for both reports and charts when prompted at run time.

- **New Distribution Privileges for Roles**

Three new security privileges have been added to ibi™ WebFOCUS® to allow users to distribute scheduled output to modern messaging platforms: opDistributeSlack, opDistributeGoogleChat, and opDistributeMSTeams. Administrators can apply these privileges to relevant user roles to allow them to distribute to Slack, Google Chat, or Microsoft Teams.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

### ibi™ WebFOCUS® Client

Key	Summary
CD-7333	The <b>Select Data Source</b> dialog in the Visualization designer does not return folders with matching names, even though Master Files and Reporting Objects are returned. (2303116)
CD-7331	Edit mode in ibi™ WebFOCUS® Designer no longer displays a warning when a visualization procedure file is opened after being modified externally by a text editor. (2517865)
CD-7264	When a report is saved using <b>Use Sample Data</b> in ibi™ WebFOCUS® InfoAssist and then opened and run in ibi™ WebFOCUS® Designer, the field values are not displayed. (02305650)
CLRPT-	When reindexing the search index for a workspace by clicking <b>Refresh Search</b>

Key	Summary
4963	<b>Index</b> from <b>Search Index Settings</b> , a Duplicate key error is displayed in the event.log file. (2523498)
CLRPT-4934	<b>Do Not Add Timestamp to a Redirected Report Name</b> setting fails to prevent a timestamp from being added to the downloaded XLSX file name when report redirection is configured to <b>no</b> or <b>yes</b> for saving the report. (2266664)
CLRPT-4923	Running a page that uses global variables as default filter values does not display the filters on initial login or subsequent runs, unless the report is first edited in ibi™ WebFOCUS® Designer. (2302433, 2513926)
CLRPT-4921	Accessing Application directories or the Reporting Server from the Hub or AppStudio fails with server errors when custom trusted configurations are set up for the client-server connection. (2510342)
CLRPT-4895	The APP COPYF command causes the Reporting Server agent to crash when run from the WebFOCUS Client Hub while the Solr service is stopped due to a failed connection attempt to the Solr master file. (2518148, 2516201)
CLRPT-4889	In UTF-8 environments, the "Prompt" text in the autoprompting feature fails to translate to the selected language when running reports from the WebFOCUS Client, though translations work for other metadata attributes. (2495628)
CLRPT-4879	Double-clicking a FEX file with "Only run as deferred report" enabled does not provide a close button in the Deferred Status window, requiring a browser refresh to return to workspaces. (2488775)
CLRPT-4867	The Prompt text in the autoprompting feature does not translate to the selected language in the WebFOCUS Client, although it works correctly when run on the server. (2470992)
CLRPT-4859	When styling a report using INCLUDE stylesheetname from the repository, the report fails to run unless the .sty extension is explicitly included in the statement. (2509578, 2509578)
CLRPT-4848	Using RESTful web services, configured Strings Property files do not translate when reports are imported into a document using the <b>Import as Existing</b>

Key	Summary
	<b>Procedure</b> option. (2500295)
CLRPT-4869	Upgrading to version 9.3.0 breaks existing customer applications that rely on the legacy method of passing multi-select parameters. (2512760, 2491771)
CLRPT-4962	The unique constraint on the FULLPATH and USERNAME columns of the WF_USERRECENTS table is missing after upgrading a ibi™ WebFOCUS® Client 8207.28 repository to ibi™ WebFOCUS® Client 9.3.x using the db_lb_update.bat utility on an Oracle database. (2519918)
DATASC-1619	NLQ fails intermittently with an Invalid NLQ JSON error and performs slowly on the first few attempts when running DSML services. (2517586)
CLRPT-4956	Deadlocks occur in the WF_USERRECENTS database table, resulting in javax.persistence.PersistenceException errors and preventing "Recents" from being correctly added. (2519699, 2519532)
CLRPT-4942	After enabling anonymous authentication and accessing the /ibi_apps/public URL, users are improperly redirected to the sign-in page on clicking a Workspace instead of gaining unrestricted public access. (2501156)
DATASC-1688	<p>In ibi™ WebFOCUS® Designer, when SQL passthru code in the Site or Universal profiles is set to INCLUDE, generating the insights displays the following error. (2506596)</p> <pre>(FOC205) THE DESCRIPTION CANNOT BE FOUND FOR FILE NAMED: SQLOUT -----vvvvvv TABLE FILE SQLOUT(IA_250923_ 093452-1)</pre>
DATASC-1666	<p>On a Red Hat Linux setup, if you add the following lines to the site.wfs file when using the <b>Explore Data</b> feature:</p> <pre>&lt;SET&gt; IBI_CSRF_Token_Name (PASS) &lt;SET&gt; IBI_CSRF_Token_Value (PASS)</pre> <p>The following error is generated. (25100078)</p>

Key	Summary
	An error occurred while generating insights. Unable to retrieve insights.(FOC224)
DATASC-1289	RUN_MODEL, run by the Windows binary, fails to remove a temporary directory that holds the result returned by ml_entry.
IBIDF-4591	In ibi™ WebFOCUS® Designer, editing a page having multiple custom CSS and filters, and then clicking <b>Outline</b> displays a blank page. (2500243)
IBIDF-4590	When editing a dynamic procedure binding in the <b>Assemble Visualization</b> view of ibi™ WebFOCUS® Designer, the <b>Open</b> dialog displays two shared content folders when selecting a procedure for a dynamic data type. (2523793)
IBIDF-4589	In the <b>Assemble Visualization</b> view of ibi™ WebFOCUS® Designer, if you navigate to the <b>Outline</b> tab, open the <b>CSS/JS</b> page, and then close it, the basic container reverts to its initial (non-maximized) size. (2518705)
IBIDF-4574	In the <b>Assemble Visualization</b> view of ibi™ WebFOCUS® Designer, even though the Show export option is not selected in the <b>Page Settings</b> section, the <b>Export</b> button is available at runtime. (2522837)
IBIDF-4583	The NOT-EQUAL symbol applied to a dynamic filter in ibi™ WebFOCUS® Designer fails to display in the final PDF export generated at runtime. (2514873)
IBIDF-4024	In ibi™ WebFOCUS® Designer, modifying the dynamic filter source of an assembled visualization from a simple input parameter to a list derived from a procedure fails to populate the control, resulting in an empty control. (2283863)
IBIDP-277	When simulating a mobile device and attempting to scroll by clicking and dragging a chart within a Designer portal page, the browser console logs an Ignored attempt to cancel a touchend event error. (2471966)
IBIUX-3084	If <b>Technical Preview Features</b> is set to OFF, the ibi™ WebFOCUS® ReportCaster interface fails to load. (2519566)
IBIUX-3112	When browser magnification is adjusted, the title section in the Management

Key	Summary
	Center's Import/Export Package List View becomes invisible or disappears. (2479373)
IBIUX-2228	In Release 9.3.0, the Responsive autoprompt template and any custom autoprompt templates derived from it sometimes encounter display issues.
IBX-670	When the Wildcard search feature is enabled in a filter dropdown on an Assemble page, selecting a search result fails to apply the value to the filter, preventing the page output from updating. (2514238)
IBIINST-3292	An in place upgrade of ibi™ WebFOCUS® causes an incorrect entry in web.xml in ibi_html.war, and the redirects to applications using /ibi_html references fail because of an extra slash (/) being inserted in the URL path. (2514285)
IBIINST-2943	When upgrading from older releases of ibi™ WebFOCUS® integrated installation to Release 9.3.1, stopping ibi™ WebFOCUS® Reporting Server might not end all ibi™ WebFOCUS® Reporting Server processes.
IDA-1770	When ALLOW-NOPRINT is set to OFF and the NOPRINT field is set on one field, if you edit an AHTML report and move fields in the <b>Rows</b> list, then the field having the NOPRINT setting appears in the report and the other field is omitted from the report. (2505591)
IDA-1764	Interactive report features (such as moving fields between Summary and Rows) result in incorrect behavior, including field duplication; persistence in the wrong area; and the appearance of unintended fields (NOPRINT configured) in the report output. (2505591, 2505591)
RC-4433, RC-4311	After upgrading ibi™ WebFOCUS®, creating a schedule using custom trusted variables generates the following error. (2513129)
	IBFSEException 6000: No trusted groups source provided
RC-4379	ibi™ WebFOCUS® ReportCaster schedules that were migrated from older versions (8.0.09 and 8.2.07) to the 9.3.x release fail to open for editing or are improperly imported. (2508207, 2508738)

Key	Summary
RC-4343	ibi™ WebFOCUS® ReportCaster email schedules created in the WebFOCUS Hub are not being saved, despite working correctly when created in the Legacy Home Page. (2517808, 2506040, 2521217)
RC-4322	ibi™ WebFOCUS® ReportCaster schedule task parameters display An error occurred during parameter retrieval error when accessed from the WebFOCUS Hub. (2508236)
RC-4188	When a ibi™ WebFOCUS® ReportCaster schedule is configured to retry a failed task every 'X' seconds, the total job completion time incorrectly includes an extra 'X' second wait period after the final unsuccessful retry attempt. (2469862)
RC-4399	When the operating system's time zone is set to Etc/UTC or Etc/GMT, the time zone dropdown for creating a Schedule Recurrence is rendered unusable. This happens because it either disables the <b>OK Submit</b> button or displays an empty country list. (2467710, 2523539, 2523539)
RSTY-2649	ibi™ WebFOCUS® ReportCaster's dynamic distribution results in corrupted and unusable .xlsx files as email attachments when the schedule is set to burst and override the format to Excel 07. (2486553, 2504275, 2504021, 2507286, 2508413, 2512281)
BIP-5296	High CPU consumption and browser malfunction (Out of Memory error) are observed in updated Google Chrome and Microsoft Edge browsers when using Collaborative and BIP portals. The issues are not observed in the Designer portal. (2525253)

## ibi™ WebFOCUS® Reporting Server Adapters

Key	Summary
SRVADPT-3762	Bulk load in the Adapter for Vertica fails if the password contains a dollar character (\$). (2509125)
SRVADPT-3774	In the Adapter for Oracle, data load fails when uploading a Microsoft Excel file with decimal values, and an error is displayed. (2509686, 2519940)

Key	Summary
SRVADPT-3826	The JDBC connection to the Adapter for Snowflake fails due to incorrect processing, and an FOC1500 error is generated. (2514053)
SRVADPT-3835	After upgrading ibi™ WebFOCUS®, the HOLD FILE format for the CAF interface does not work in the IBM DB2 CAF adapter on MVS. (2504661)
SRVADPT-3885	When DEFINE statements are used with the setting ENGINE INT SET FCA JOINOPT, the following errors are displayed. (2517154) <div> (FOC003) THE FIELDNAME IS NOT RECOGNIZED  (FOC009) Request failed validation, not executed.  (FOC205) THE DESCRIPTION CANNOT BE FOUND FOR FILE NAMED </div>
SRVADPT-3935	In the Adapter for PostgreSQL, the driver name setting in the edaserve.cfg file is deleted when an additional connection is configured. (2377019)

## ibi™ Data Migrator

Key	Summary
SRVDM-1075	In ibi™ Data Migrator, if records truncate on the load and display an FOC1271 error indicating incorrect data, the data flow ends with return code 0 rather than a non-zero code.

## ibi™ WebFOCUS® Reporting Server Data Assist

Key	Summary
SRVDA-2741	In the designer mode, when the HOLD file is used instead of the synonym preview, the Edit report generates an error. (2287332)
SRVDA-	In ibi™ WebFOCUS® Designer (Japanese), some UI elements on the <b>Data</b> tab are



Key	Summary
2813	displayed in English instead of Japanese. (2510522)
SRVDA-2814	In ibi™ WebFOCUS® Designer, from the <b>Data Tab &gt; MODEL</b> view, if you right-click and select the <b>View Parent</b> link, unequal joins are not displayed correctly on the <b>Configure Join</b> page. (2504573)
SRVDA-2818	In ibi™ WebFOCUS® Designer, after renaming the title of a sort field to a value that starts with an ampersand, the following error is displayed: (2509470) <div>Something went wrong..</div>
SRVDA-2825	Creating a visualization with a PDS Reporting Server results in syntax errors. (2504212)
SRVDA-2828	Logging of preprocessed records is not available from the web-based ibi™ Data Migrator.
SRVDA-2834	When using ibi™ WebFOCUS® in Finnish, the months on the <b>Filter</b> tab of the <b>Visualize Data</b> page are sorted in alphabetical order instead of date format. (02059990, 2138698)
SRVDA-2835	In ibi™ WebFOCUS® Designer, after setting a 'JOIN'ed child table item to a dynamic filter and then switching to the <b>Data</b> tab or <b>Visualization</b> tab, the page becomes unresponsive, preventing any further operations. (2488189)
SRVDA-2839	In ibi™ WebFOCUS®, even after removing some extensions from the <b>Manage &gt; Settings &gt; upload_allowed</b> field, file icons for the removed extensions are not removed from the <b>Upload Data</b> pane. (2302304)

## ibi™ WebFOCUS® Reporting Server Workspace

Key	Summary
WSVC-380	In ibi™ WebFOCUS®, the REST Call to Set Properties (skipamper) fails. (2481860)
SRVWKSPC-4206	When connecting from ibi™ WebFOCUS® - Open Data Hub for Mainframe Add-on on Windows 11 environment to ibi™ WebFOCUS® Reporting Server on the z/OS Mainframe environment, the TLS handshake fails and the following error is logged. (2502559)
	<pre>sslCommunicate: Error in gsk_secure_soc_init rc: 410</pre>
SRVWKSPC-4230	The ibi™ WebFOCUS® client SSL connection to the ibi™ WebFOCUS® Reporting Server on z/OS that uses a CA signed certificate causes internal server errors and FDS becomes unresponsive.
SRVWKSPC-4242	The metrics report does not provide the statistics for failed TSCOM agents.
SRVWKSPC-4251	Even though the mixed case property for new applications is set to OFF (MIXED_CASE=OFF), the application names are created in mixed case instead of lowercase.
SRVWKSPC-4258	When running in SSL mode, the reporting server fails intermittently. (2516964, 2516964)
SRVWKSPC-4259	Even though the custom file name is specified in the ON TABLE PCHOLD AS <filename> <fileFormat> statement in the procedure, the specified file name is not used when downloading the report file in HTML, XML, or AHTML formats.
SRVWKSPC-4283	If a user is a member of ibi™ WebFOCUS® client groups, and the length of groups passed to the server is approximately 64 KB, then calls to the server fail. (2497732)
SRVWKSPC-4287	When running a Data Service Profile in ibi™ WebFOCUS® Reporting Server with SSL enabled, the ODBC connector fails to connect to the server.

Key	Summary
	(2502559, 2502559)
SRVWKSPC-4288	In ibi™ WebFOCUS® Reporting Server on z/OS environment with a PDS deployment and SSL enabled, the agent fails to connect to FDS and an <NGS> error message is reported in the edaprint.log file. (2508855)
SRVWKSPC-4291	In ibi™ WebFOCUS® Reporting Server on z/OS environment, the HTTPS mode is not enabled due to the following error: <div>Error in gsk_secure_soc_init rc: 402</div> (02262487)

## ibi™ WebFOCUS® Resource Management

Key	Summary
SRVRM-318	When using Resource Analyzer with the locale set to Japanese, the initial monitoring status message for a data source is displayed correctly in Japanese. However, on selecting the same data source again for monitoring, the status message appears in English instead of Japanese. (2513494, 2519973)

## ibi™ WebFOCUS® App Studio

Key	Summary
IBIAS-8876	When creating a report with the JOIN tab open, ibi™ WebFOCUS® App Studio stops working. (2505454)
IBIAS-8879	In ibi™ WebFOCUS® App Studio (Japanese), the SAML authentication screen does not display properly. (2314885)
IBIAS-8880	Applying pagination to a chained popup-style double list controls causes the pagination to display incorrectly and might cause the control to stop working.

Key	Summary
	(2501551)
IBIAS-8881	In ibi™ WebFOCUS® App Studio, if you configure a value changed event for a single select popup style control, the JavaScript function does not execute. (2507758)
IBIAS-8884	When Google Chrome is not installed on the same machine as ibi™ WebFOCUS® App Studio, running any procedure from WebFOCUS® App Studio results in the following error: (2513756)
	Failed to find Chrome configuration entry in registry
IBIAS-8885	In ibi™ WebFOCUS® App Studio, when you run an HTML page with the <b>Add All</b> option enabled in a text box, the <b>Selection &amp; Validation</b> function does not run correctly. Even when no value is entered, _FOC_NULL is passed instead of the ALL value. (2480271)
IBIAS-8887	In ibi™ WebFOCUS® App Studio, when you set up a chain of controls, the value selected in the first Double List Control does not chain to the secondary Double List Control. (2328873)
IBIAS-8888	After upgrading ibi™ WebFOCUS® App Studio to version 9.3.x, the HTML canvasTask does not run when a <b>Single Source Tree</b> control is selected. (2481415, 2481415)
IBIAS-8889	The HTML under ibi\apps\ generates an error when linked to a .js file with double-byte character set (DBCS) characters in its name. (2470899)
IBIAS-8890	When executing an HTML page that includes a chained configuration of controls (for example, a checkbox and two dropdown lists), the page does not render properly and no errors are displayed. (2498985)
IBIAS-8891	After saving a file with the same file name as an HTML file that was saved with the private <b>Save Selection</b> option, a confirmation message to overwrite the file is expected. Instead, the following error is displayed. (2493057)
	You don't have the proper rights to save in this location

## Version 9.3.5

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

Release Date	Gen Information	WebFOCUS Reporting Server
July 2025	wf071825a	935 Gen 2990
	wi071825a	
	as071825a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

### ibi™ WebFOCUS® Client

- **Designer Autoprompt Customizable Styling**

A new setting is available in the WebFOCUS Administration Console Parameter Prompting page, enabling administrators to select and apply any CSS theme from the Global Resources directory to Designer autoprompt. This allows for customized styling, ensuring only the selected CSS is applied to the autoprompt interface. For more information, see *ibi™ WebFOCUS® User guide*.

- **Designer Autoprompt Wildcard and Match Case Search Options**

Users can now enable wildcard and match case search options within Designer autoprompt filter dropdown list, accessible via new settings in the control settings panel. For more information, see *ibi™ WebFOCUS® User guide*.

- **PowerPoint Export for Assembled Visualizations**

A new export option for PowerPoint is now available when assembling visualizations.

- **Enhanced Filter Grid Column Limit in Assembled Pages**

In an assembled page, the filter grid now supports any number of columns up to 12.

- **KPI Box with Trend Indicator - Text Handling**

The "KPI box with trend indicator" chart extension now supports automatic display of a vertical scroll bar for content that exceeds the available space, ensuring all information is viewable on smaller screens.

- **Parameter Renaming**

You can now rename parameters directly within ibi™ WebFOCUS® Designer, similar to ibi™ WebFOCUS® InfoAssist functionality. By right-clicking a prompted filter, a new **Rename Parameters** option is available, allowing customization of the default parameter placeholder.

## ibi™ WebFOCUS® ReportCaster

- **Support for IPP-based Printers**

ibi™ WebFOCUS® ReportCaster now supports Internet Printing Protocol (IPP), enabling improved printing functionality and compatibility with IPP-based printers.

- **Execution of Schedules in Sequence Order**

ibi™ WebFOCUS® ReportCaster now enables the execution of schedules in a specified sequence order, ensuring a more controlled and predictable execution flow.

- **Email Distribution Priority Specification**

ibi™ WebFOCUS® ReportCaster can now specify the priority of email distribution for report library and schedule notifications. For more information, see *ibi™ WebFOCUS® ReportCaster guide*.

- **ReportCaster Multi-Schedule Execution**

Users can now run multiple schedules simultaneously from the ibi™ WebFOCUS® ReportCaster Explorer List View. For more information, see *ibi™ WebFOCUS®*

*ReportCaster* guide.

- **rsa-sha2-512 and rsa-sha2-256 Host Key Algorithms Support**

ibi™ WebFOCUS® ReportCaster now supports the rsa-sha2-512 and rsa-sha2-256 host key algorithms for SFTP distributions. For more information, see *ibi™ WebFOCUS® ReportCaster* guide.

- **ReportCaster Custom Run Date Calendar Upload**

ibi™ WebFOCUS® ReportCaster now allows users to define custom report execution dates by uploading a CSV file in YYYY-MM-DD format, providing an alternative to manual date selection. For more information, see *ibi™ WebFOCUS® ReportCaster* guide.

## ibi™ WebFOCUS® DSML Services

- **NLQ Suggested Questions for Data Exploration**

ibi™ WebFOCUS® now provides suggested questions within the Natural Language Query (NLQ) interface to assist new users in getting started with data exploration.

## ibi™ WebFOCUS® Reporting Server

- **Insert Records from Memory**

In the ibi™ WebFOCUS® Reporting Server browser interface, the **Insert Records from Memory** option is available in the **Load Type** dropdown list on the **Load Options** screen. You can use this option to load a block of data rows together in a Data Flow target. It increases the speed of the data loading process. For more information, see the "Edit the Load Options for the Target" topic in the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **Exiting Upload Without Loading Data**

In the WebFOCUS Reporting Server console, a warning message is now displayed when exiting the **Uploading Data** window without clicking the **Load** button.

## ibi™ WebFOCUS® Adapters

- **STRING Support in Adapters**

The following adapters now provide the STRING support:

- Adapter for Amazon Athena
- Adapter for Amazon Redshift
- Adapter for Apache Drill
- Adapter for Apache Hive to Access Data Managed by Hadoop
- Adapter for Apache Spark
- Adapter for Apache Impala to Access Data Managed by Hadoop
- Adapter for Exasol
- Adapter for ElasticSearch
- Adapters for Google Analytics, Google BigQuery, and Google Sheets
- Adapter for Greenplum
- Adapter for H2
- Adapter for MariaDB
- Adapter for Microsoft Dynamics CRM
- Adapter for MySQL
- Adapter for OData
- Adapter for PostgreSQL
- Adapter for Presto
- Adapter for REST
- Adapter for Snowflake Cloud Data Warehouse
- Adapter for Vertica

For more information about adapters, see the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Adapter for Apache Impala**

The Adapter for Apache Impala now supports the DATE type format.

- **Adapter for Databricks**

The Adapter for Databricks is now available in ibi™ WebFOCUS®. This adapter, with its JDBC read/write support, simplifies how you access and work with your Databricks databases. The adapter converts data or application requests into native Databricks



SQL statements and returns optimized answer sets to the requesting program. For more information, see the "Using the Adapter for Databricks" chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Adapter for Google BigQuery**

- **ARRAY Data Type Support in the Adapter for Google BigQuery**

In the Adapter for Google BigQuery, the ARRAY data type is now supported for columns having repeated data. For more information, see "Using the Adapter for Google BigQuery" and "Accessing the Data Type Report" topics in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **STRUCT Data Type Support in the Adapter for Google BigQuery**

In the Adapter for Google BigQuery, read-only support is provided for the STRUCT data type. When you create a synonym using the Adapter for Google BigQuery, it adds fields for all STRUCT components. For more information, see "Using the Adapter for Google BigQuery" and "Accessing the Data Type Report" topics in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **New Configuration Parameter: Job Creation Optional**

A new parameter **Job Creation Optional** checkbox has been added in the configuration settings. Selecting this checkbox allows BigQuery to optimize and run queries without explicitly creating a job, thereby prioritizing immediate results. For more information about configuring Google BigQuery, see the "Configuring the Google BigQuery Adapter" chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Adapter for Microsoft Dynamics 365**

The Adapter for Microsoft Dynamics 365 now has read/write capabilities. You can use this adapter to insert the data into the application. For more information, see the "Using the Adapter for Microsoft Dynamics 365" chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Adapter for Microsoft Excel**

When uploading a Microsoft Excel file, you can now choose whether the file name or the sheet name is used for the synonym name.

- **Adapter for Microsoft SQL Server Analysis Services Tabular Data Model (SSAS Tabular)**

- You can use the setting `ENGINE INT SET SUBTOTAL-TRANSFORM ON` so that the

TMDAX Recalculate Totals command generates the correct totals.

- When querying data of a Power BI Premium data set, you can use the new setting `ENGINE INT SET BLEND-MODE MATCH-MISSING` to ensure that all records are included in the query.

- **Adapter for Oracle**

Version 23ai of Oracle database is now supported in ibi™ WebFOCUS® Reporting Server adapters.

## ibi™ Data Migrator

- **REST API for Server Load**

In ibi™ Data Migrator, you can now issue REST API requests whenever you want to identify the server load.

- **Simple Union View Setting in the Data Flow Advanced Options Dialog**

In a Data Flow, when you add a union node, you can use the Simple View option by selecting the **Simple Union View** setting in the Advanced Options dialog. For more information, see the "Advanced Options dialog" topic in the *ibi™ WebFOCUS® Reporting Server Administration* guide.

## Changes in Functionality

The following functionality has been changed in this release of ibi™ WebFOCUS®.

**Change in Load Type Options:** On the **Load Options** dialog of the ibi™ WebFOCUS® Reporting Server browser interface, the **Bulk Load** checkbox has been removed. Additionally, the **Extended Bulk Load** option in the **Load Type** dropdown list, which is used to select a database loader program to load data in a Data Flow target, has been renamed to **Extended Bulk Load Utility**.

For more information, see the "Edit the Load Options for the Target" topic in the *ibi™ WebFOCUS® Reporting Server Administration* guide.

# Migration and Compatibility

The following products have been updated to align with the product version of ibi™ WebFOCUS® for consistent version tracking and for simplifying integration and support processes.

- The version of ibi™ WebFOCUS® DSML Services - Container Edition has been updated from 1.0.8 to 9.3.5.
- The version of ibi™ WebFOCUS® - Container Edition has been updated from 1.3.4 to 9.3.5.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

### ibi™ WebFOCUS® Client

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
ACT-2463	In ibi™ WebFOCUS®, using a custom theme file that functions correctly in ibi™ WebFOCUS® Designer results in an error when applied to ibi™ WebFOCUS® InfoAssist visualizations or charts. (2318745)
CD-6050	If you re-edit a HOLD file after creating it on the Data tab of visualization, it generates an FOC25 error.(02266112)
CD-6802	Editing IA reports with <b>Insert After</b> WHERE conditions in ibi™ WebFOCUS® Designer results in FOC015 errors on saving and reopening. (2492772, 2501570)
CD-6826	In ibi™ WebFOCUS® Designer, MDYY format causes invalid range error at design time. (2469467)
CD-6851	A format application issue occurs in ibi™ WebFOCUS® Designer where users

Key	Summary
	cannot apply formats from the Format Data dialog for a COMPUTE field defined within a Master file. (2492974)
CD-6884	In ibi™ WebFOCUS® Designer, adding a second conditional style causes the first condition to change from <b>Value</b> to <b>Field</b> , which leads to the loss of the entered value. (2488930)
CD-6950	Mixed case and variable names are converted to upper case in version 9.2.4, resulting in two sets of variables when the IbiappletsToIBFS0slo=off configuration is added in Technical Preview features. (2488798)
CD-6973	In ibi™ WebFOCUS®, Date field filter that allows missing values to be stored as the current date in FEX instead of Missing. (2489263)
CD-6975	In ibi™ WebFOCUS® Designer, the <b>Select at runtime</b> option appears in the output format listbox when quickly clicked, despite being disabled. (2497282)
CD-6986	When creating a visualization in ibi™ WebFOCUS® Designer, if the user edits a temporary file from the <b>Select Column</b> on the <b>Data</b> tab and clicks <b>Save</b> or <b>Save As</b> for an already saved file, a FOC205 error occurs. (2491837)
CD-6990	In ibi™ WebFOCUS® Designer, user cannot change COUNT measure alphanumeric fields to integer or decimal to enable <b>Show 1000 separator</b> . (2487047)
CD-7012	In ibi™ WebFOCUS® Designer, inserting line breaks within the heading section of a report or chart inadvertently creates proportional additional whitespace between the heading and the visualization in the preview pane. (2506607)
CD-7034	In ibi™ WebFOCUS® Designer, when using the SSAS Tabular Data Model adapter with a Power BI datamart, a date field explicitly defined as a measure incorrectly appears under Dimensions, and selecting it results in an error. (2493827)
CLRPT-4613	The db_lb_update.sql script fails to run when the database password contains an ampersand (&) character, as the script misinterprets the unescaped ampersand, leading to a broken password and connection failure. (2473071)
CLRPT-	When importing a CM package into ibi™ WebFOCUS® with an Oracle repository

Key	Summary
4723	configured for Unicode UTF-8, an internal exception processing IBFSService.importdata error occurs. (2467752)
CLRPT-4753	In ibi™ WebFOCUS® Application Portals, auto-refreshing charts in a dashboard may display a Configuration Error. (2488897)
CLRPT-4758	In ibi™ WebFOCUS® Designer, running a page with a carousel container caused multiple new browser tabs to open automatically upon network disconnection and reconnection. (2501818)
CLRPT-4773	In ibi™ WebFOCUS®, running a procedure with a mixed-case name from the Hub results in a recursive -INCLUDE loop when another procedure with the same lower-case name exists in a different workspace and is targeted by an -INCLUDE command. (2492120)
CLRPT-4776	Duplicating a folder that contains an (invalid) shortcut causes error Error Duplication and does not copy all content. (2486346)
CLRPT-4820	In ibi™ WebFOCUS® Hub, deleting a Legacy BI Portal created from the Legacy Home Page results in a Function GetProperties not implemented error. (2318339, 2504321, 2510606)
CLRPT-4834	In ibi™ WebFOCUS®, when a static parameter value in InfoAssist contains both spaces and a dot and is displayed in autoprompt with single quotation marks, selecting it generates a (FOC257) MISSING QUOTE MARKS error. (2508587)
IBIDF-4394	In ibi™ WebFOCUS®, an FOC224 error occurs after saving and running a bookmark with multiple filter values (FROM - TO range). (2473387)
IBIDF-4397	In ibi™ WebFOCUS® assembled pages, bound filter values do not load from XML report if it has a dynamic parameter. (2487465)
IBIDP-267	When accessing the portal on a mobile device, rotating the screen to landscape and then back to portrait mode causes the container's display position to shift unexpectedly. (2378122)
IBIINST-	In ibi™ WebFOCUS®, when using a Windows PyServ URL with NLQ, single-column

Key	Summary
3243	queries execute quickly, but two-column queries result in an Invalid NLQ JSON due to JSONObject[focus_json] not found error, indicating a problem with handling larger queries on Windows PyServ environments. (2505885, 2507918, 2513962)
IBIUX-2970	In ibi™ WebFOCUS® Hub, users assigned a role with <b>Display Stop Requests</b> permission do not see the <b>Stop Request</b> option. (2312261)
IDA-1347	In ibi™ WebFOCUS® ActiveReports, when HFREEZE is set ON, functionality for <b>Freeze Columns</b> and <b>Highlight Value</b> is impaired. (2173610)
IDA-1695	In ibi™ WebFOCUS®, when ON TABLE SET WEBVIEWER ON is used with on-demand paging, reports might return inconsistent results where actual values display as '0'. (2247450)
IDA-1696	In ibi™ WebFOCUS®, the Reporting Server agent crashes when processing AHTML output containing single-byte alphabetic characters and line feeds exceeding 4000 bytes. (2476485)
IDA-1697	In ibi™ WebFOCUS®, AHTML conditional styling fails to apply correctly when ACROSSCOLUMN is specified by an item name, resulting in unstyled data. (2463096)
IDA-1698	In ibi™ WebFOCUS® Designer, when generating an AHTML report, the column section remains fixed while the data section scrolls when viewed on iOS devices using Safari or Chrome. (2319367)
IDA-1707	In ibi™ WebFOCUS®, running a fex with AHTML output format and an image reference crashes the agent when more than 256 rows are pulled. (2299332)
RSTY-2637	In ibi™ WebFOCUS®, when a drilldown is performed from a GRAPH FILE request with an empty string parameter, %20 is incorrectly transmitted in the URL. (2315737)
RSTY-2642	In ibi™ WebFOCUS® UTF-8 environments, drilldown URLs malfunction, with string fields in HOLD files displaying extra '000004' characters, resulting in incorrect URL parameters. (2490927)

Key	Summary
SEC-2285	Multiple failed attempts at entering the username and password lock the user in the system. However, the user status in the Security Center is set to MustChange instead of Locked. (2476249)
SEC-2286	Creating a username with more than 64 characters generates Error Code.....WFIRS: 8007 and the following warning is displayed. (2490136)
	Path element is longer than 64 characters
SEC-2294	In ibi™ WebFOCUS®, an error occurs when adding a Designer visualization to a page if the visualization name contains more than 11 Japanese characters. (2510753)
VIZ-1129	In ibi™ WebFOCUS® Designer, when a custom theme with snap: true is applied, the tooltip (popup) for Donut charts does not display at runtime. (2486979)
VIZ-1130	In ibi™ WebFOCUS®, when a Galigeo point chart is run, its configured header is not displayed at runtime. (2491730)

## ibi™ WebFOCUS® ReportCaster

Key	Summary
RC-4146	In ibi™ WebFOCUS® ReportCaster, selecting <b>Repeat Task for Each Selected Value</b> option results in an "Uncaught TypeError: Cannot read properties of undefined (reading 'data')" error in the F12 console. (2499127)
RC-4150	Execution ID does not populate when using a secondary server with a Static ID. (2490797)
RC-4178	Schedule containing multiple tasks and multiple distributions cannot be modified after upgrading from 9.2.3 to 9.3.3. (2499177)
RC-4186	The ibi™ WebFOCUS® ReportCaster Schedule UI does not display the existing FTP directory when upgrading from 9.2.3 to 9.3.3. (2501994)

## ibi™ WebFOCUS® Reporting Server Adapters

Key	Summary
SRVADPT-3597	After clicking <b>Test connection</b> in the restricted access mode of Google BigQuery adapter, an error message is displayed. (2478653)
SRVADPT-3627	In the Adapter for Microsoft SQL Server Analysis Services Tabular Data Model (SASS Tabular), the create synonym process does not add DEFINE statements for SORT_BY fields. (2376683)
SRVADPT-3639	When using C-Style comments within a procedure, if a comment is specified on the line immediately following "PREPARE SQLOUT FOR", then error FOC205 is displayed. (2491470)
SRVADPT-3661	In the adapter for Google BigQuery, the STRING type data originating from a multi-path type synonym is not displayed correctly. (2476108, 2477178)
SRVADPT-3664, SRVADPT-3671	In ibi™ WebFOCUS® Reporting Server, version 4.1.2 of the poi-ooxml.jar causes a security vulnerability. (2495972)
SRVADPT-3673	An incorrect ODATA query is generated when using a chart extension. (2474580)
SRVADPT-3739	When inserting a value into a CLOB field of TABLEF FILE SQLIN, an incorrect SQL INSERT statement is generated.
SRVADPT-3748	The bulk load operation to Amazon Athena fails when the non-default format of the date format is used.
SRVADPT-3759	When uploading a Microsoft Excel file using the SJIS code page via Sybase adapter with BULK load, FOC1522 error is generated. (2489463)



## ibi™ Data Migrator

Key	Summary
SRVDM-1059	In ibi™ Data Migrator, due to an error during date time conversion, invalid input records are skipped and the MODIFY function continues processing. (2465805)
SRVDM-1060	In the ibi™ Data Migrator console, a sub-screen or a pop-up screen cannot be resized correctly on the secondary monitor. (2463342)

## ibi™ WebFOCUS® Reporting Server Data Assist

Key	Summary
SRVDA-2755	After uploading an Excel file via Get Data and clicking <b>save and redo prepare</b> , attempting to select or double-click the Excel adapter, or any other adapter, throws a <code>CGiUPLData is null</code> error, which persists even if the cancel button is clicked.
SRVDA-2757	When Resource Analyzer is enabled, the dynamic filter does not work and generates an FOC error. (2305222, 2325891) <div>(FOC002) A WORD IS NOT RECOGNIZED: GKE Error id: 2 Status: Internal Server Error Error code: 500</div>
SRVDA-2774	When creating a synonym from a specific XML file, the ibi™ WebFOCUS® Reporting Server agent stops working and the following warning message is displayed. (2477953) <div>Upload Warnings: Failed to parse synonym masterfile.mas</div>
SRVDA-2808	In the Adapter for Microsoft Excel, you cannot configure the custom default values at global level. Instead, you must manually adjust the values of the <b>Row Scan Limit</b> and <b>Extend Character Length</b> parameters during each file upload. (2305028)

Key	Summary
SRVDA-2810	When uploading data using Microsoft Excel adapter, the Numeric data type is not converted to Date in the preview. (2509470)

## ibi™ WebFOCUS® Reporting Server Workspace

Key	Summary
SRVWKSPC-4104	In the <b>LDAP User Search Details</b> section of the Reporting Server Web Console, the <b>ldap_user_group_attribute</b> is displayed as <b>ldap_group_attribute</b> . (2324320)
SRVWKSPC-4122	When creating a report in Designer, if the connecting user inherits UINFO on the server, then an exception is returned instead of a JSON response. (2495382) <div> <pre>com.ibi.fdmx.error.FdmExternalException: MissingNode Error: failed to parse JSON response</pre> </div>
SRVWKSPC-4143	Even after configuring the fields on the <b>Set a Login Message</b> dialog, the <b>Role</b> and <b>Display</b> settings are not saved.
SRVWKSPC-4147	The Reporting Server console does not display the creation or modification dates from the most recent APP folder. (2478458)
SRVWKSPC-4149	The Approot value parameter is not displayed on the CLI during PDS installation. (2502059)

## ibi™ FOCUS®

Key	Summary
SRVFOC-1864	A TABLE request against MASTER FOCMAP results in an abend with a system completion code 0C4 (S0C4) error. (2488005, 2499560)

Key	Summary
SRVFOC-1865	A TABLE request against a file that has a unique child segment and a WHERE condition results in a FOC200 data exception error. (2489324)
SRVFOC-1873	The ON TABLE HOLD VIA report request results in an abend. (2317925, 2486944)
SRVFOC-1922	When running a report using 'OVER' and 'ACROSS' along with a 'COMPUTE' item specified in HEADING, the following errors occur. (2488226) <ul style="list-style-type: none"> <li>FOC020 – The sets of sort phrases are inconsistent.</li> <li>FOC009 – Request failed validation and was not executed.</li> </ul>
SRVFOC-1924	The totals of packed numeric format fields (format P) that are fewer than 16 digits long are different when run on different ibi™ FOCUS® environments. (2479246)
SRVFOC-1925	Although the ACROSS field is hidden by using the NOPRINT keyword option, the report output to a data file containing column headings displays the values of the ACROSS field. (2466053)
SRVFOC-1937	Viewing more than 10,000 rows of output via HotScreen in interactive FOCUS, results in an abend with a system completion code 0C4 (S0C4) error. (2502785)
SRVFOC-1943	Creating a dynamic CRTFORM containing -INCLUDE but no -CRTFORM END, results in an abend and a system completion code 0C4 (S0C4) error is displayed. (2323440)

## ibi™ WebFOCUS® Resource Management

Key	Summary
SRVRM-306	The report response degrades when Resource Analyzer is enabled. (2502154)
SRVRM-309	In Resource Analyzer, when running a report using SQL passthru, some queries are not retrieved. (2471451)

Key	Summary
SRVRM-310	In a UNIX environment, after running a procedure using the master file whose file name is in all CAPS, the file is not displayed in the <b>Resource Analyzer &gt; Usage Analysis &gt; Data Sources</b> view. (2295999)
SRVRM-311	When a maintenance job is scheduled for 13 or more months, the following error message is displayed. (2260528)
	error - status: 400 Bad Request

## ibi™ WebFOCUS® App Studio

Key	Summary
IBIAS-8717	In ibi™ WebFOCUS® App Studio, when you click the online help, an invalid help page might open.
IBIAS-8824	In ibi™ WebFOCUS® App Studio (Japanese), warning messages are displayed in English instead of in Japanese. (2496768)
IBIAS-8827	When <b>Keep selected values</b> is set to <b>Yes</b> in the double list control, some values are not saved. (2325976)
IBIAS-8828	In an HTML page where the display value is set on a parent control in the dynamic chaining setup, enabling the <b>Add 'All' option</b> disrupts the chaining by display value of the child controls. (2316128)
IBIAS-8829	On an HTML file that includes <b>Run</b> , <b>Reset</b> , and <b>Save Selection</b> buttons, if you run the HTML file with the parameter report, you can type characters inside the <b>Run</b> and <b>Reset</b> buttons. (2318750)
IBIAS-8830	Running an HTML page with an ESRI map component with the data layer generates an uncaught error when enabling a heatmap layer in the map. (2291283)
IBIAS-8831	In HTML canvas, after adding a text component, double-clicking it, and then adding a button as the next component, if you click <b>Undo (Ctrl + Z)</b> , ibi™

Key	Summary
	WebFOCUS® App Studio stops working. (2471692)
IBIAS-8833	In WebFOCUS Hub, when trying to set both the <b>No selection</b> and <b>All</b> options in a dropdown list, only <b>All</b> is assigned to the linked target by default.
IBIAS-8835	If invalid values are saved in a control, the pop-up double list control displays the incorrect values. (2326666)
IBIAS-8837	When an HTML page is run, the behavior of the tab index of the double list control on the HTML page varies for each control. (2320145)
IBIAS-8838	If there are two frames on one page of a tab container, sometimes the results are not displayed in one of the frames. (2473284, 2494984, 2507412)
IBIAS-8839	When adding, editing, or modifying the <b>Header Font</b> property of the Grid component of an HTML page, ibi™ WebFOCUS® App Studio stops working and an error message is displayed. (2463333)
IBIAS-8842	When creating an HTML page using a combo box, if the combo box is set to <b>Post initial loading</b> , duplicate values are displayed in the destination control. (2495523)
IBIAS-8843	If user A has saved an HTML file and then user B tries to save an HTML file with the same name as user A's file, an 'access denied' error is displayed instead of a warning message. (2327415)
IBIAS-8852	After running a guided adhoc application that uses JavaScript, ibi™ WebFOCUS® App Studio stops responding. (2492717)
IBIAS-8853	In ibi™ WebFOCUS® App Studio, when using an XML file external procedure to create an HTML report having dropdown boxes and chaining, unwanted values are displayed in the chained control. (2482751)
IBIAS-8858	When editing a procedure containing DEFMACRO in the STYLE block, an error is displayed and the style information is deleted. (2504924)

## Version 9.3.4

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

Release Date	Gen Information	WebFOCUS Reporting Server
May 2025	wf042825b	934 Gen 2980
	wi042825b	
	as042925a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

- **Data source improvements for the supported SQL adapters**

All SQL adapters that are supported have the following data source improvements:

- To improve the performance of the SQL adapters, the generated sql is improved for the following functions:
  - DTPART(WEEK)
  - DTRUNC(WEEK|WEEK\_END)
  - DTDIFF(WEEK)

- A new **ENGINE** setting is created to use the WEEKFIRST parameter. When it is set to ON, the WEEKFIRST parameter is used to optimize the following functions:

- DTPART(WEEK)
- DTRUNC(WEEK|WEEK\_END)
- DTDIFF(WEEK)

When it is set to OFF, the optimization of these functions is adapter-specific.

This setting can be implemented locally on the procedure level and globally on the profile to improve the generated sql. It is enabled by using the following syntax:

```
ENGINE <engine> SET FEATOPT WEEKFIRST ON
```

- **Output language option in WebFOCUS ReportCaster**

The output language can be overwritten using the Output report locale dropdown option in the **Advanced Task Settings** of WebFOCUS ReportCaster. For more information, see the *ibi™ WebFOCUS® ReportCaster* guide.

- **Red Hat Enterprise Linux (RHEL) support**

In ibi™ WebFOCUS® DSML Services, nginx configuration is now supported on Red Hat Enterprise Linux (RHEL) 9.

- **Object access control in ibi™ WebFOCUS® Designer**

During the SQL build process in ibi™ WebFOCUS® Designer, object access control is tightened based on user role and authorization.

- **Support alternate user authentication with Kerberos**

Schedules that access the reporting server with Kerberos authentication now need an alternate authentication method when connecting to the reporting server. For more information about the configuration, see the "Configuring Support for ReportCaster for Kerberos" section in *ibi™ WebFOCUS® Security and Administration*.

## Changes in Functionality

The following functionality has been changed in this release of ibi™ WebFOCUS®.

**Change in date format:** In an assembled page filter, the date format in the calendar filter control has been changed from the fully spelled-out format (for example, "January 2, 2025")

or "2 January 2025") to the short numeric format (for example, "1/2/2025" in U.S. locales or "2/1/2025" in most European locales).



**Note:** The date format in the authored page filters is unchanged.

## Migration and Compatibility

The version of ibi™ Open Data Hub for Mainframe has been updated from 1.0.9 to 1.3.4 to align with the product version of ibi™ WebFOCUS® for consistent version tracking and for simplifying integration and support processes.

The version of ibi™ WebFOCUS® DSML Services - Container Edition has been updated from 1.0.8 to 9.3.5 to align with the product version of ibi™ WebFOCUS® for consistent version tracking and for simplifying integration and support processes.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
CD-6381	In ibi™ WebFOCUS® Designer, when you perform save and restore operations, the value of the drill-down variable is modified. (2466957 2466957)
IBIAS-8775	After applying the 9.3.1 HF-002, the HTML dropdown controls take time to load. (02298065)
IBIDF-2072	In the Portuguese-Brazilian environment, the date filter in the visualization displays unrecognized characters. (02031199)
IBIDF-4210	When the language is set to Portuguese-Brasil in ibi™ WebFOCUS® Designer, the Date calendar filter displays the incorrect value for the date. (2463141)



Key	Summary
RC-3777	In ibi™ WebFOCUS® ReportCaster, after upgrading to Release 9.3.0, an error message is generated when creating a New Task screen. (02287983 02258034)
SRVADPT-3399	<p>In ibi™ WebFOCUS® Designer, when the ENGINE INT SET OPT OFF command is passed in preview mode, the following error is generated. (2477358)</p> <pre>(FOC2560) RIGHT OR FULL OUTER JOIN REQUIRES JOIN TO BE PASSED TO RDBMS</pre>
SRVADPT-3485	When uploading a Microsoft Excel file via Sybase adapter with BULK load, if the table names start with numbers or multibyte characters, FOC1409 and FOC1357 errors are generated.
SRVDA-2600	In ibi™ WebFOCUS® Reporting Server, if you make any subsequent attempts to configure an adapter after an initial cancellation, a blank configuration page is displayed where you cannot enter any configuration details.
SRVDA-2700	In the designer mode, if the filter is set on the <b>Data</b> tab, the <b>Visualization</b> tab does not display all the data. (02235009)
SRVDA-2710	In ibi™ WebFOCUS® Designer, when a cluster-based synonym is used as a hold, it generates an FOC205 error.
VIZ-1098	When hovering over the edge of the bar chart, the drill-down menu from the tooltip is not displayed. (2320940)

## Version 9.3.3

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

The following table lists the gen information for this release of ibi™ WebFOCUS®.

Release Date	Gen Information	WebFOCUS Reporting Server
January 2025	wf012325c	933 Gen 2972
	wi012325c	
	as011625a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

- **ETL-TRG-TBL\_STORED\_AS Setting Enhancement in the Adapter for Presto**

In the **ETL-TRG-TBL\_STORED\_AS** setting of the Adapter for Presto, Parquet and ORC formats are newly added. To select these options, right-click the Adapter for Presto on the Adapters page and select **Change Settings**. For more information, see the *Using the Adapter for Presto* chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Static Caching for DB\_LOOKUP**

To improve the performance of the DB\_LOOKUP against SQL data, you can activate the static join processing in DB\_LOOKUP. It reduces the time to run Data Flows and Procedures in ibi™ Data Migrator and ibi™ WebFOCUS®. For more information, see the *ibi™ Data Migrator Functions Reference* guide.

- **Designer: UI Options For Data Label Customization**

In the Designer, you can now customize the Data Labels by using options on the UI. New options to customize Data Labels are available on the **Format** tab. To see the options, go to **Format > Series > Format Labels**.

- **DSML Services in Windows**

Now, the DSML services are available in Windows 11 and Windows Services 2019 or later.

- **DSML Services Supports Natural Language Query**

Now, DSML service supports Natural Language Query (NLQ) with the advanced Phi3 model.

## Changes in Platform Support

In this release, platform support for ibi™ WebFOCUS® Reporting Server has changed as follows:

Platform	Status	As of Release	Notes
Linux Kernel 4.18, glibc 2.28 64-bit on zSeries	Added	9.3.3	This is the minimum version supported.
Linux Kernel 3.0.101 glibc 2.11 64-bit on zSeries	Removed	9.3.3	This version is no longer supported.

For a complete list of supported platforms, see the [product Readme](#) file.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
BIP-5281	In ibi™ WebFOCUS® Hub, after changing a language to Japanese, on the Change Password screen of a portal, the <b>Cancel</b> button displays an incomplete string of characters. (02288663)
CD-6357	In ibi™ WebFOCUS® Designer, when saving a report or chart, the values entered in the summary section are not saved. (2463684 2463684)
CD-6350	When editing the ibi™ WebFOCUS® InfoAssist content created with a single-part file name in ibi™ WebFOCUS® Designer, errors are generated. (02273895)
CD-6347	In ibi™ WebFOCUS® Designer, copying the text to the heading from the clipboard does not work, if a space follows the heading text. (2298543)
CD-6299	In ibi™ WebFOCUS® Hub, when creating a visualization by using the wf_retail_geography Master File, the <b>latitude</b> and <b>longitude</b> fields cannot be dragged in relative display fields in Galileo Geographic Point Extension version 1.2.1. (02292038)
CD-6278	In ibi™ WebFOCUS® Designer, incomplete filter labels are displayed if the filter labels are lengthy. (02254785)
CD-6277	In ibi™ WebFOCUS® Designer, when changing the chart type, the label position does not update. (02236232)
CD-6273	When a report is saved using the Use Sample Data feature in ibi™ WebFOCUS® InfoAssist and then opened and ran in ibi™ WebFOCUS® Designer, the field values are not displayed. (02305650)
CLRPT-4593	When running the ibi™ WebFOCUS® Discovery tool with the Oracle database, an ORA-01849 error is generated. (2471120)
CLRPT-4571	After upgrading from Release 9.2.1 to Release 9.3.0 and running multiple portals to test the content, the <code>com.ibi.ibfs.error.IBFSEException: Item is not update-able</code> error is generated. (2306137)
IDA-1591	In an AHTML report, after performing ROLLUP or PIVOT operations, when you click the <b>Create</b> button and then select the <b>Save Changes</b> option from the

Key	Summary
	main menu, the blank report is created. (02308297)
IBIDF-4280	In ibi™ WebFOCUS® Designer portal pages, when the default value is set to <b>All</b> , the internal default value is set to <b>null</b> instead of <b>_FOC_NULL</b> , an FOC260 AN OPERATION IS MISSING AN ARGUMENT error is generated. (2470021)
IBIDF-4258	Enabling the <b>Selection Controls</b> option for a filter control on a Designer page causes an error. (2470021)
IBIDF-4209	When the conditions are applied to the radio control with the interaction, it does not work as expected. (02307059)
IBIDF-4196	When a ibi™ WebFOCUS® Designer page is created with toggle control and conditions are applied, it does not work as expected. (02306992)
IBIDF-2253	When you run a procedure from the legacy home page, an additional <code>windowHandle</code> parameter appears in the auto prompt in the left pane. (02214657 02211668 02267224)
IBIUX-2784	When the <b>Search</b> icon on the ibi™ WebFOCUS® home page is selected, a JavaScript error occurs. (02296520)
RC-4002	In the ibi™ WebFOCUS® ReportCaster configuration, when deleting a Blackout Period Schedule, an incorrect title is displayed on the delete dialog. (2469893)
RC-3940 and RC-3910	In ibi™ WebFOCUS® ReportCaster, the dynamic distribution job does not stop until ibi™ WebFOCUS® ReportCaster is restarted. (02302105)
RC-3938	When the codepage is set as <b>942 (Shift-JIS)</b> and the ibi™ WebFOCUS® ReportCaster job Log file is viewed from the ibi™ WebFOCUS® ReportCaster console, it displays NULL values. (2326204)
RC-3930	In ibi™ WebFOCUS® ReportCaster, when creating a schedule or editing an existing schedule, ibi™ WebFOCUS® groups are not passed. Server groups are used instead. (2325439 2323410)
RC-3906	When creating an Email schedule in ibi™ WebFOCUS® ReportCaster, the <b>All</b>

Key	Summary
	<b>Values</b> option is displayed in English instead of Japanese. (02297989)
SRVADPT-3329	When joining Teradata and Google BigQuery tables, an error message is generated. (2327608)
SRVADPT-3254	When creating a Master File for the Tabular model containing calculated fields, the calculated fields do not appear in the Master File. (02289210)
SRVADPT-816	When creating the Tutorial Retail Demo on Google BigQuery an error message is generated. (02029133)
SRVDA-2664	When creating a synonym using the Get Data simple mode with the table name in uppercase, it is converted to lowercase in the generated synonym Access File. (02304249)
SRVDM-1039	After upgrading from version 9.1.x to 9.2.x ibi™ Data Migrator installation by using the silent install method fails. (2325819)
SRVFOC-1721	The HDATE(datetime, 'YYMtrDm') function returns blank values. (02307560)
SRVFOC-1720	After upgrading to Release 9.3.1, HIPERFOCUS does not support the creation of FOCUS databases. (2378496)
SRVFOC-1700	ON TABLE HOLD VIA program gives inaccurate results. (02295156)

## Version 9.3.2

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

The following table lists the gen information for this release of ibi™ WebFOCUS®.

Release Date	Gen Information	WebFOCUS Reporting Server
November 2024	wf110624a	932 Gen 2967
	wi110624a	
	as102924a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

- **Adapter for Google Cloud Storage**

The Adapter for Google Cloud Storage is used to connect with Google Cloud Storage. You can store output formats, such as Google Sheets, PDF, JSON, and XML generated from ibi™ WebFOCUS® reports in a bucket within the Google Cloud environment. You can configure this adapter using the ibi™ WebFOCUS® Reporting Server browser interface. For more information, see the *Using the Adapter for Google Cloud Storage* chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Insert Records from Memory**

Now, the **Insert Records from Memory** option is available in the ibi™ WebFOCUS® Reporting Server browser interface. You can use it from the **Load Type** dropdown list on the **Load Options** screen to load a block of data rows together in a Data Flow target. It increases the speed of the data loading process. For more information, see the *Edit the Load Options for the Target* topic in the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **Restoring Recents and Favorites**

After updating to a new release, an administrator can restore Recents and Favorites, by running `db_convertfr.bat` (Windows) or `db_convertfr.sh` (UNIX) from the `utilities\dbupdate` folder in the ibi™ WebFOCUS® installation. This reduces the time to start up ibi™ WebFOCUS® after migration.

- **Radar Chart**

Now users can create line and area type radar charts in ibi™ WebFOCUS® Designer.

- **Validation for Designer Autoprompt**

Now, a field validation pop-up is displayed in Designer Autoprompt at run time.

- **Number of Bookmarks per Page**

Starting with this release of ibi™ WebFOCUS®, there is no limit to the number of pages that you can bookmark.

- **IBM Db2 Version Upgrade**

Now, IBM Db2 version 13 is supported for both CLI and CAF versions of the Adapter for Db2/Db2 Warehouse. For more information, see the *Using the Adapter for Db2/Db2 Warehouse* chapter in the *ibi™ WebFOCUS® Adapter Administration* guide.

- **Distribution Import List Supports CSV**

Starting from this release, after you upgrade to a new release, you can import the ibi™ WebFOCUS® ReportCaster Distribution List in CSV file format.

- **Data Science Tutorial**

Now, the Data Science Tutorial option is available in the ibi™ WebFOCUS® Reporting Server browser interface. You can use it from the **Tutorial** dropdown list of **Create Tutorial Framework** option on **Application Directories**.

- **JDBC Driver Version Update in the Adapter for Amazon Athena**

Now, in the Adapter for Amazon Athena, the AWS JDBC 3.3.2 driver version is also supported.



- **MultiClass Classification**

Now **MultiClass Classification** is available in the ibi™ WebFOCUS® Reporting Server. You can use it to train predictive analysis on your data from the **Create Data Flow** option.

## Changes in Functionality

The following functionalities and features have been changed in this release of ibi™ WebFOCUS®.

- Now, when you pass multiple values of the same amper variable as part of a request, the values are passed as separate parameters. For example, when the &VARIABLE=1&VARIABLE=2 values are added to the URL, then the value of &VARIABLE resolves as '1' OR '2'.
- In ibi™ WebFOCUS® Reporting Server, TLS is now enabled on all TCP/IP ports.

## Migration and Compatibility

The following information provides migration procedures and a compatibility matrix for this release of ibi™ WebFOCUS®.

For more information, see the following sections:

- [Restoring Recents and Favorites](#)
- [Upgrade and Compatibility Matrix](#)

### Restoring Recents and Favorites

After you upgrade from WebFOCUS Release 9.2.x and earlier to Release 9.3.2, you need to run the `db_convertfr.bat` utility on Windows and `db_convertfr.sh` utility on UNIX to restore your Favorites and Recents contents. For more information, see [Restoring the Favorites and Recents After Upgrading](#) in the ibi™ WebFOCUS® Installation and Configuration for Windows guide and [Restoring the Favorites and Recents After Upgrading](#) in the ibi™ WebFOCUS® Installation and Configuration for UNIX guide.

## Upgrade and Compatibility Matrix

### To upgrade from Release 8206 or earlier:

1. Upgrade from Release 8206 or earlier to Release 8207.28.
2. Upgrade from Release 8207.28 to Release 9.3.2.

### To upgrade from Release 8207.27 or earlier:

1. Upgrade from Release 8207.27 or earlier to Release 9.2.x.
2. Upgrade from Release 9.2.x to Release 9.3.2.

### To upgrade from Release 8207.28:

- Upgrade from Release 8207.28 to Release 9.3.2.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
CD-6234	In the filter toolbar of the visualization, if the first filter is selected as <b>optional</b> and the second filter is selected as <b>required</b> , then the autoprompt is not displayed. (02255814)
CD-6211	At run time, values from the child table of JOIN, which is created in ibi™ WebFOCUS® Designer, are not populated in the dropdown list of Autoprompt. (02286203)
CD-6150	In ibi™ WebFOCUS® Designer, when creating and formatting a report, if the column width setting is updated and saved, it reverts to the Fit to Content when edited again. (02286412 02285679)
CD-6117	When creating reports, if the same field is added twice with different aggregations, the conditional styling on one of the fields is removed if the procedure is saved a second time in the styling dialog. (02284174)

Key	Summary
CD-6050	After creating a HOLD file on the <b>Data</b> tab of the visualization, if you edit it again in ibi™ WebFOCUS® Designer, it generates an FOC205 error. (02266112)
CD-5687	When creating a visualization, a temporary field <b>DEFINE/COMPUTE</b> which is created by the ibi™ WebFOCUS® Reporting Server for each reformatted field on the ibi™ WebFOCUS® Designer, does not display in the tool. (02215228)
CLRPT-4529	When new objects are added to the recently worked on objects list, the total count decreases. (02301060)
CLRPT-4523, CLRPT-4515	In ibi™ WebFOCUS® Hub, files other than image files can also be uploaded as thumbnails. (02294975)
CLRPT-4511	In ibi™ WebFOCUS® Designer, auto-link does not work. Instead, the following error message is displayed.  The Value of this Variable is Invalid! 'IBFS_ParentDrills'
CLRPT-4506	When the Client Language is set to any language other than English, and you run a visualization that has a date field in the filter panel from ibi™ WebFOCUS® Designer, the <b>OK</b> button is not displayed in the Date Control of the prompt. (02293953)
CLRPT-4497	In ibi™ WebFOCUS® App Studio pages, certain images or CSS code is not pulled in on the first run. This might happen because the cgipath.js is not loaded sometimes and some JavaScript files use the IBI_CACHE_FLUSH_KEY and some do not. (02293174)
CLRPT-4470	After upgrading to ibi™ WebFOCUS® Release 9.3.0, the HTML chaining in App Studio does not work. (02285700)
CLRPT-4467	The ibi™ WebFOCUS® Designer page with the reporting object runs twice, when it uses the =&DATEMtrDYY variable. (02288154)
CLRPT-4462	After you upgrade to ibi™ WebFOCUS® Release 9.3.x, there is a spike in CPU usage by Tomcat for sustained periods. (02288562 02290384)
CLRPT-4456	When Federal Information Processing Standard (FIPS) is enabled on the Red

Key	Summary
	Hat system when installing ibi™ WebFOCUS® Client, a page not found error is generated. (02287986)
CLRPT-4438	When running a report or a chart with parameters in the filter and the value of the <b>Parameter Prompting</b> setting is set to <b>Designer</b> in the Administration Console, the default parameter prompting page shows the BIP_folder along with parameters for the report. (02284202)
CLRPT-4429	After you upgrade to ibi™ WebFOCUS® Release 9.3.0, Recents are no longer added to the WF_USERRECENTS table. (02276830 023010600)
CLRPT-4426	When creating a ibi™ WebFOCUS® Designer report from a reporting object, filter dropdown lists based on static parameters are blank. (02204878)
CLRPT-4422	When two JVMs are running, an error occurs with Rest API calls to create a schedule or when users log in to ibi™ WebFOCUS®. (02256742)
CLRPT-4413	After upgrading to ibi™ WebFOCUS® Release 9.2.3, the parameters that are not selected in the drill-down report are displayed in the Autoprompt window along with the selected parameters. (02243771)
CLRPT-4412	When transitioning pages in AHTML format procedures, the &IBIMR_folder value is not retrieved. (02243551)
CLRPT-4377	After upgrading to ibi™ WebFOCUS® Release 9.3.0, incorrect parameter values are passed when passing parameters to a report by using the form post method. (02269813 02285700)
CLRPT-4310	The page with the reporting object runs twice when it uses the =&DATEMtrDYY variable. (02288154)
IA-12359	In ibi™ WebFOCUS® InfoAssist, copy and paste functions in the header and the footer dialog of a report do not work as expected. (02284756)
IA-12350	In ibi™ WebFOCUS® InfoAssist, when a report is created with a DEFINE file that uses an optional parameter, the DEFINE FILE syntax is generated above the <b>DEFAULT</b> value setting resulting in issues at runtime. (02259944)

Key	Summary
IA-12330	In ibi™ WebFOCUS® InfoAssist, when using the traditional Chinese language in filters for translation, the translation is incorrect. (02234755)
IBIAS-8771	In ibi™ WebFOCUS® App Studio, when users use SAML authentication, they are denied access although they provide their login credentials. (02276852)
IBIDF-4116	If you have a Designer page with filters and a variable that has an underscore (_) character in its name, the filter is not populated at design time. (02275300)
IBIDF-4096	After upgrading to Release 9.2.1, when adding a URL to a container and refreshing the container, it opens a new tab in the browser. (02244138)
IBIDF-4095	When using the Double List filter control, the FOC NULL parameter in the JavaScript is not passed. (02272746)
IBIDP-242, IBIDP-238	Resizing the browser when the application is running, causes the hamburger icon to become inaccessible and generates an Uncaught Exception error. (02274066)
IBIDP-241	If the ibi™ WebFOCUS® Designer portal is in the list view, it cannot be edited. (02292963)
IBIDP-239	In the Application Portal, if the Landing Page does not fully load all the reports and you navigate to another page, the new page does not load completely. (02284390)
RC-3921	In ibi™ WebFOCUS® Release 9.3.1, an error occurs when you modify an existing ReportCaster schedule and save the changes. This happens only when you are using the Oracle repository.
RC-3857	In ibi™ WebFOCUS® ReportCaster, when clicking the <b>Browse Procedures</b> button to view available procedures for scheduling, the Open dialog incorrectly shows the last updated date for every item as January 1, 1970, at 9:00 AM. (02296877)
RC-3807	In ibi™ WebFOCUS® ReportCaster, when editing a Distribution List with a

Key	Summary
	pattern type selected as Other, you can set the burst value. (02291136)
RC-3800	When you upgrade from ibi™ WebFOCUS® Release 8207 to Release 90x, ibi™ WebFOCUS® ReportCaster log tables are not cleaned correctly when you run the internal cleanup process. (02286136)
RC-3793	In ibi™ WebFOCUS® ReportCaster, when the language is set to Japanese, ribbon menu names on the <b>ReportCaster Status</b> tab are truncated. (02291104)
RC-3792	In ibi™ WebFOCUS® ReportCaster, after configuring the codepage and language to Japanese, the Show Menu tooltip still displays in English instead of Japanese. (02291105)
RC-3791	In ibi™ WebFOCUS® ReportCaster, when you clear the radio button <b>No Expiration</b> under the <b>Other ReportLibrary Settings</b> , the position of the headers is misaligned and incomplete titles are displayed. (02291143)
RC-3743	In ibi™ WebFOCUS® ReportCaster, when printing a PDF report, the printer restarts. (02283410)
SEC-2254	After upgrading to ibi™ WebFOCUS® Release 9.3.1, the HTTP x.509 authentication does not work. (02293622)
SEC-2248	When a user with no permission for the <b>opFavorites</b> privilege attempts to access the portal, the system responds by downloading an XML file containing an Access to item denied error message. (02279337 02299590)
SEC-2245	Logging in to ibi™ WebFOCUS® with a username containing a trailing space results in the following error message. (02274100)
	The input user does not match the user in the session
SRVADPT-3263	When using a synonym with linker tables to create a report using PowerBI, it returns a blank report. (02302163)

Key	Summary
SRVADPT-2986	An error occurs in the Microsoft SQL Server Analysis Services Tabular Data Model (TMDAX) environment when you generate a report on two or more fields that are across bi-directional joins and more than one bi-directional join is between the fields. (02238164)
SRVDA-2658	When you add a sample code to client settings (site.wfs), Join does not work in visualization and receives an <code>FDMinternalException</code> error when editing the fex. (02299738)
SRVDM-1027	In a Data Flow, when loading data to the Hyperstage target, no data is loaded if the target synonym has DBA protection enabled. (02235412)
SRVRM-290	Resource Analyzer does not insert data in <code>SQLServer Repository</code> and generates multiple <code>Foc</code> errors in <code>rmldat_XXXXXXX.log</code> file with return code 18901. (02288428)
SRVWKSPC-3906, SRVWKSPC-3895	Autodrill is not activated if <code>site_profile</code> uses variables from <code>site.wfs</code> and <code>IBIC_server</code> is in <code>site.wfs</code> . (02300308)
SRVWKSPC-3892	Installing <code>ibi™ FOCUS® Release Version 9.3.1</code> on <code>IBM z/OS v3.1</code> unexpectedly disconnects <code>OpenMVS</code> connections. (02300520)
SRVWKSPC-3818	In the <code>ibi™ WebFOCUS® - Container Edition</code> <code>ibi™ WebFOCUS® Reporting Server</code> , you cannot send selected data from one server block to another server block. (02285462)
SRVWKSPC-3817	Although the <code>Cluster Management Console</code> is available, you cannot access it if the login ID is <code>SRV</code> in the <code>ibi™ WebFOCUS® Reporting Server</code> but the user is not defined in <code>Cluster Management</code> . (02285461)

## Version 9.3.1

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

The following table lists the gen information for this release of ibi™ WebFOCUS®.

Release Date	Gen Information	WebFOCUS Reporting Server
July 2024	wf071124a	931 Gen 2961
	wi071124a	
	as071124a	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

- **Create a Synonym Using the Synonym Editor**

You can now create a new synonym in the Synonym Editor from the ibi™ WebFOCUS® Reporting Server browser interface. For more information, see *Creating a Synonym with Synonym Editor* topic of the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **Generate a Compound Report by Using a Template**

You can now create compound XLSX and PowerPoint reports with XLSX and PPT



templates by specifying the template at the SECTION level. For more information, see the *Generating a Compound Report by Using a Template* topic of the *ibi™ WebFOCUS® Creating Reports with ibi™ WebFOCUS® Language* guide.

- **Search Functionality in Explorer Container**

Now, in ibi™ WebFOCUS® Designer pages, the Search feature is added to the Explorer container. To use this feature, you must configure Solr in the same environment as ibi™ WebFOCUS®.

## Changes in Functionality

The following functionality and features have been changed in this release of ibi™ WebFOCUS®.

- Now, to relink the Adapter for IDMS/SQL with IDMS libraries, you must relink the load module DBTFOC with IDMS libraries by using the LINKEDIT JCL. For more information, see the *Using the Adapter for CA-IDMS/SQL* chapter from the *ibi™ WebFOCUS® Adapter Administration* guide.
- Now, to relink the Adapter for Teradata with Teradata libraries, you must relink the load module DBTFOC with Teradata libraries by using the LINKEDIT JCL. For more information, see the *Using the Adapter for Teradata* chapter from the *ibi™ WebFOCUS® Adapter Administration* guide.

## Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
CD-6001	In ibi™ WebFOCUS® Designer, creating two or more conditions in Conditional Styling generates an error message. (02101420 02222355 02246448)
CD-5906	In ibi™ WebFOCUS® Designer, conditional styles cannot be created on a base field, which is used twice in a report. (02240293)

Key	Summary
CD-5886	In ibi™ WebFOCUS® Designer, when opening a chart, report, or visualization in the browser tab, the title text is not displayed. (02230079)
CD-5367	A Define field command, which uses an amper variable, fails when it is run if no value is assigned to the amper variable. (02222856 02244168)
CLRPT-4381	In ibi™ WebFOCUS®, when deleting a shortcut for a report after deleting the original fex file, an error message Internal Exception Processing IBFSService.delete is generated. (02272711)
IBIAS-8740	In ibi™ WebFOCUS® App Studio, while renaming a task, if a task name is left blank, a task cannot be used in further operations. (02228173)
IBIUX-2314	In ibi™ WebFOCUS® Client, the GIT Source Control does not show the complete path and file name for long file names. Additionally, it does not commit the files listed for staging. (02217641)
IDA-1534	In AHTML output, when you try to use the SUBTOTAL function through the Grid Tool, it does not change the output of the report.
RC-3701	Report Library Content-Type shows <b>MS Excel</b> instead of CSV when the <b>Override the Format Specified in the Procedure</b> is set to <b>COMT</b> . (02276801)
RC-3527	In ibi™ WebFOCUS® ReportCaster Release 9.2.2, when creating a schedule with the start time set for a specific time and time zone, ibi™ WebFOCUS® ReportCaster ignores the time zone and saves it as the local ibi™ WebFOCUS® ReportCaster time zone. (02242365)
SEC-2239	In the Japanese environment, the status field cannot be edited or selected in the Security Center's new user window. This feature works when the language is set to English. (02269205)
SRVDA-2519	After upgrading to ibi™ WebFOCUS® Release 9.2.1, when you use search filters and shift-click to select the files in the application directory, some of the files get deleted. (02239323)
SRVRM-276	In Resource Analyzer, the Bulk Load operation fails for the unarchived logs. (02225170)

# Version 9.3.0

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

For an online version of this document and more information about the release, go to the [ibi™ WebFOCUS® Product Documentation site](#), select the Documentation tab, and select the link to your product group.

## Release and Gen Information

The following table lists the gen information for this release of ibi™ WebFOCUS®.

Release Date	Gen Information	WebFOCUS Reporting Server
April 2024	wf040624a	930 Gen 2957
	wi040624a	
	as040224b	

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## New Features

The following features have been added in this release of ibi™ WebFOCUS®.

- **NOCRS Privilege**

A Server Administrator can disable the privilege of creating the synonym for Basic Users by selecting the NOCRS checkbox from **General Privileges** of the Basic User role in the Access Control menu. For more information, see *Set Customized Privileges for Roles* section of the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **NORDU Privilege**

A Server Administrator can disable the privilege of uploading raw data for Basic Users

by selecting the NORDU checkbox from **General Privileges** of the Basic User role in the Access Control menu. By default this checkbox is cleared. For more information, see *Set Customized Privileges for Roles* section of the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **NOSSE Privilege**

A Server Administrator can disable the privilege of editing the SQL statements for Basic Users by selecting the NOSSE checkbox from **General Privileges** of the Basic User role in the Access Control menu. By default this checkbox is cleared. For more information, see *Set Customized Privileges for Roles* section of the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **MERGE Support in Adapters**

As of Release 9.3.0, the following adapters provide MERGE support:

- Adapter for Informix
- Adapter for PostgreSQL for version PostgreSQL 15
- Adapter for Snowflake Cloud Data Warehouse
- Adapter for Sybase

- **MERGE Statistics Support in Adapters**

As of Release 9.3.0, the following adapters provide MERGE statistics for the number of updated, inserted, and deleted rows:

- Adapter for Oracle
- Adapter for Google BigQuery

Additionally, the memory used by the Adapter for Google BigQuery is reduced when loading large recordsets.

- **UPSERT Support in Adapters**

As of Release 9.3.0, the following adapters provide UPSERT support:

- Adapter for Amazon Redshift
- Adapter for Greenplum
- Adapter for Hyperstage PG
- Adapter for MariaDB
- Adapter for Microsoft Azure Synapse Analytics

- Adapter for MySQL
- Adapter for Netezza
- Adapter for PostgreSQL for version PostgreSQL 14
- Adapter for SAP Hana
- Adapter for Snowflake Cloud Data Warehouse
- **Improvement in Handling of Non-UTF and NULL Characters**  
In the Adapter for JDBC, the handling of non-UTF and NULL characters is improved.
- **Improvement in Handling Duplicate Names in Multi-segment Master Files**  
In the Adapter for JDBC and the Adapter for ODBC, the handling of duplicate names in multi-segment Master Files is improved.
- **Gzip encoding in the Adapter for Google BigQuery**  
In the Adapter for GoogleBigQuery, you can now use the **HTTPACCEPTENCODING** setting to select the gzip encoding for the HTTP compression. For more information, see *Adapter for Google BigQuery Settings* section of the *ibi™ WebFOCUS® Adapter Administration* guide.
- **JLINK Support in the Adapter for JDBC**  
A direct call to `DatabaseMetaData.getCrossReference()` is enabled in the Adapter for JDBC for JLINK.
- **Wide Unicode API Support for ODBC**  
As of Release 9.3.0, the wide Unicode API support is provided for ODBC.
- **Using GetData Setting**  
You can now edit the table name when uploading data from the Get Data page by using GetData settings. To use this feature, set the value of the **GETDATA\_EDIT\_TABLENAME** setting from the GetData settings to **Yes**. For more information, see *Displaying Settings for WebFOCUS Reporting Server Browser Interface Preferences* section of the *ibi™ WebFOCUS® Reporting Server Administration* guide.
- **Using Pass Variables to Reporting Server Profile Setting**  
You can now pass the list of profile variables to the ibi™ WebFOCUS® Reporting Server profile by using the **Pass Variables to Reporting Server Profile** setting. For more information, see the *Other Settings* section of the *ibi™ WebFOCUS® Security and Administration* guide.

- **Using edatemp\_disk\_limit Setting**

You can now define the maximum amount of disk space usage allowed in kilobytes under the edatemp directory by using the **edatemp\_disk\_limit** setting. For more information, see the *Miscellaneous Settings* section of the *ibi™ WebFOCUS® Reporting Server Administration* guide.

- **Multilayer Map SVG icon**

In the Multilayer map, you can now set different styles of the SVG icon. For more information, see the *ibi™ WebFOCUS® Creating Multilayer Map* guide.

- **Data Source Improvements for the Adapter for Hyperstage PG**

As of Release 9.3.0, the following functions are supported for the Adapter for Hyperstage PG:

- Table functions:
  1. MDN.
  2. MDE.
  3. RNK
  4. PARTITION\_AGGR()
  5. PARTITION\_REF()
  6. BY HIGHEST n
  7. DATEADD(DAY)
- SQL functions:
  1. MEDIAN()
  2. MODE()

- **Data Source Improvements for the Adapter for Apache Drill**

As of Release 9.3.0, the following functions are supported for the Adapter for Apache Drill:

- Table functions:
  1. PARTITION\_AGGR(B/E, B/C or C/E)
  2. PARTITION\_REF(1 or -1)

3. RNK
4. BY HIGHEST n
5. REPLACE()
6. HPART(DAY\_OF\_YEAR, WEEKDAY)
7. DTPART(DAY\_OF\_YEAR, WEEKDAY)
8. PHONETIC()
9. TOKEN()
10. GET\_TOKEN()
11. MDE. aggregation prefix has been optimized

- SQL functions:

1. PHONETIC()
2. TOKEN()
3. REVERSE()
4. REPEAT()
5. CHR()
6. ASCII()

- **Data Source Improvements for the Adapter for HP Vertica**

As of Release 9.3.0, the following functions are supported for the Adapter for HP Vertica:

- Table functions:

1. DATEDIFF(DAY)
2. MISSING in COMPUTE
3. MDN. as APPROXIMATE\_MEDIAN

- **Data Source Improvements for the Adapter for Microsoft SQL Server**

As of Release 9.3.0, the following functions are supported for the Adapter for Microsoft SQL Server:

- Table functions:

1. DTRUNC
  2. MIN|MAX scalar functions
  3. TRIM any character
  4. MDN. aggregation prefix using APPROX\_PERCENTILE\_CONT
  5. INT
  6. vector IN
  7. Multi-pair DB\_INFILE
  8. MISSING in COMPUTE
- SQL functions:
    1. LAST\_VALUE|FIRST\_VALUE with IGNORE NULLS
    2. DTRUNC
    3. TRIM any character
    4. EXCEPT ALL
  - Data Profiling functions:
    1. Median, Q1, Q3, Interquartile range
- **Data Source Improvements for the Adapter for Google BigQuery**

As of Release 9.3.0, the following functions are supported for the Adapter for Google BigQuery:

- Table functions:
  1. PHONETIC(SET PHONETIC\_ALGORITHM=SOUNDEX)
  2. TRIM any char
  3. TOKEN(negative)
  4. DATEDIFF(DAY)
  5. MDE. aggregation prefix is optimized
  6. Multi-pair DB\_INFILE
  7. MISSING in COMPUTE
- SQL functions:



1. REGEXP\_INSTR
2. PHONETIC(SET PHONETIC\_ALGORITHM=SOUNDEX)
3. INITCAP
4. MODE (approximate)
5. CHR
6. ASCII
7. HEX(alpha only)

- **Data Source Improvements for the Adapter for TIBCO Data Virtualization**

As of Release 9.3.0, the following functions are supported for the Adapter for TIBCO Data Virtualization:

- Table functions:

1. REGEX
2. PATTERNS
3. PHONETIC(PHONETIC\_ALGORITHM=METAPHONE)
4. INT
5. TO\_INTEGER
6. TO\_NUMBER
7. DT\_FORMAT (some formats)
8. DTRUNC
9. DTPART(MICROSECOND)
10. HPART(MICROSECOND)
11. IN with multiple columns
12. cross dbms DB\_INFILE

- SQL functions:

1. SQL\_PHON\_DBL\_MP
2. SQL\_SEARCH\_REXP\_REPLACE
3. SQL\_SEARCH\_REXP\_INSTR

#### 4. SQL\_MATH\_TRUNC

- **Data Source Improvements for the Adapter for Informix**

As of Release 9.3.0, the following functions are supported for the Adapter for Informix:

- Table functions:
  1. Multiple distinct aggregations
  2. DTPART(DAY\_OF\_YEAR|QUARTER)
  3. HPART(DAY\_OF\_YEAR|QUARTER)
  4. DT\_FORMAT(some formats)
  5. Vector IN
  6. Multi-pair DB\_INFILE
  7. BY HIGHEST n define
  8. full MERGE support
- SQL functions:
  1. EXCEPT
  2. INTERSECT
  3. QUARTER()/EXTRACT(QUARTER)

- **Data Source Improvements for the Adapter for Amazon Redshift**

As of Release 9.3.0, the following functions are supported for the Adapter for Amazon Redshift:

- Table functions:
  1. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
- SQL functions:
  1. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
  2. ASCII()
  3. HEX()
  4. INTERSECT ALL

## 5. EXCEPT ALL

### • Data Source Improvements for the Adapter for PostgreSQL

As of Release 9.3.0, the following functions are supported for the Adapter for PostgreSQL for the version PostgreSQL V15:

- Table functions:
  1. REGEX
- SQL functions:
  1. REGEXP\_INSTR
  2. REGEXP\_COUNT
  3. RLIKE

As of Release 9.3.0, the following functions are supported for the Adapter for PostgreSQL for the version PostgreSQL 14.2:

- Table functions:
  1. DATEDIFF(DAY)
  2. MDE. aggregation prefix is optimized
  3. MISSING in COMPUTE
- SQL functions:
  1. REGEXP\_SUBSTR
  2. REGEXP\_COUNT
  3. TOKEN

### • Data Source Improvements for the Adapter for Microsoft Azure Synapse Analytics

As of Release 9.3.0, the following functions are supported for the Adapter for Microsoft Azure Synapse Analytics:

- Table functions:
  1. DT\_FORMAT()
  2. DB\_INFILE(multi-pair)

- 3. LIKE ESCAPE
  - 4. MIN()/MAX() scalar functions
  - 5. non-space TRIM()
  - SQL functions:
    - 1. DT\_FORMAT()
    - 2. RAND()
    - 3. Sampling
    - 4. non-space TRIM()
    - 5. GREATEST()/LEAST()
    - 6. LISTAGG()
    - 7. APPROX\_COUNT\_DISTINC()
  - **Data Source Improvements for the Adapter for EXASol**
- As of Release 9.3.0, the following functions are supported for the Adapter for EXASol:
- Table functions:
    - 1. PARTITION\_AGGR,
    - 2. TRIM any character
    - 3. DATEDIFF(DAY),
    - 4. DTPART(DAY\_OF\_YEAR)
    - 5. HPART('DAY-OF-YEAR')
    - 6. IN with multiple columns
    - 7. cross dbms DB\_INFILE
  - SQL functions:
    - 1. TO\_UNIXTIME
  - **Data Source Improvements for the Adapter for Cloudera Impala to Access Data Managed by Hadoop**

As of Release 9.3.0, the following functions are supported for the Adapter for Cloudera Impala to Access Data Managed by Hadoop:

- Table functions:
  1. TRIM any char
  2. DT\_FORMAT(some formats)
  3. HPART(DAY\_OF\_YEAR|DAY\_OF\_WEEK|MILLISECOND|MICROSECOND)
  4. DTPART(DAY\_OF\_YEAR|DAY\_OF\_WEEK|MILLISECOND|MICROSECOND)
  5. Multi-pair DB\_INFILE
- SQL functions:
  1. DAY\_OF\_YEAR

- **Data Source Improvements for the Adapter for H2 Database**

As of Release 9.3.0, the following functions are supported for the Adapter for H2 Database:

- Table functions:
  1. TOKEN(negative)
  2. full MERGE support
  3. BY HIGHEST n define
  4. MISSING in COMPUTE
  5. vector IN
  6. MDE.
  7. TRIM any char
- **Data Source Improvements for the Adapter for Sybase**

As of Release 9.3.0, the following functions are supported for the Adapter for Sybase:

  - Table functions:
    1. full MERGE support
    2. multi-pairs DB\_INFILE
    3. MISSING in COMPUTE
    4. TRUNCATE()
- **Data Source Improvements for the Adapter for SAP Hana**

As of Release 9.3.0, the following functions are supported for the Adapter for SAP Hana:

- Table functions:
  1. DATEADD()
  2. TOKEN(negative)
  3. GET\_TOKEN(negative)
  4. DTPART(millisecond, microsecond)
  5. HPART(millisecond, microsecond)
  6. MISSING in COMPUTE

- **Data Source Improvements for the Adapter for MySQL**

As of Release 9.3.0, the following functions are supported for the Adapter for MySQL:

- Table functions:
  1. PARTITION\_REF
  2. PARTITION\_AGGR
  3. RANKED BY
  4. BY HIGHEST|LOWEST n
  5. MISSING in COMPUTE
- SQL functions:
  1. analytic functions

- **Data Source Improvements for the Adapter for Apache Hive to Access Data Managed by Hadoop**

As of Release 9.3.0, the following functions are supported for the Adapter for Apache Hive to Access Data Managed by Hadoop:

- Table functions:
  1. DTPART(DAY\_OF\_YEAR, MILLISECOND)
  2. HPART(DAY\_OF\_YEAR, MILLISECOND)
  3. PATTERNS

- 4. MISSING in COMPUTE
- 5. DB\_INFILE(multi-pair)
- 6. vector IN
- 7. TRIM any char
- SQL functions:
  - 1. DISTINCT + GROUP BY
- **Data Source Improvements for the Adapter for Apache Spark**

As of Release 9.3.0, the following functions are supported for the Adapter for Apache Spark:

- Table functions:
  - 1. DTPART(DAY\_OF\_YEAR, MILLISECOND)
  - 2. HPART(DAY\_OF\_YEAR, MILLISECOND)
  - 3. PATTERNS
  - 4. MISSING in COMPUTE
  - 5. DB\_INFILE(multi-pair)
  - 6. vector IN
  - 7. TRIM any char
- SQL functions:
  - 1. DISTINCT + GROUP BY
- **Data Source Improvements for the Adapter for Amazon Athena**

As of Release 9.3.0, the following functions are supported for the Adapter for Amazon Athena:

- Table functions:
  - 1. TRIM any char
  - 2. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
  - 3. DTPART(MILLISECOND|MICROSECOND)
  - 4. HPART(MILLISECOND|MICROSECOND)

- 5. MIN/MAX scalar functions
- 6. IN with multiple columns
- 7. cross dbms DB\_INFILE
- 8. Multi-pair DB\_INFILE
- SQL functions:
  - 1. REGEXP\_INSTR
  - 2. REGEXP\_COUNT
  - 3. RANGE (analytic function window frame)
  - 4. GROUPS (analytic function window frame)
  - 5. MODE (approximate)
  - 6. INTERSECT
  - 7. INTERSECT ALL
  - 8. EXCEPT
  - 9. EXCEPT ALL
  - 10. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
  - 11. ASCII
  - 12. LENGTH
- **Data Source Improvements for the Adapter for Presto**

As of Release 9.3.0, the following functions are supported for the Adapter for Presto:

- Table functions:
  - 1. TRIM any char
  - 2. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
  - 3. DTPART(MILLISECOND|MICROSECOND)
  - 4. HPART(MILLISECOND|MICROSECOND)
  - 5. MIN/MAX scalar functions
  - 6. IN with multiple columns



- 7. cross dbms DB\_INFILE
- 8. Multi-pair DB\_INFILE
- SQL functions:
  - 1. REGEXP\_INSTR
  - 2. REGEXP\_COUNT
  - 3. RANGE (analytic function window frame)
  - 4. GROUPS (analytic function window frame)
  - 5. MODE (approximate)
  - 6. INTERSECT
  - 7. INTERSECT ALL
  - 8. EXCEPT
  - 9. EXCEPT ALL
  - 10. PHONETIC(PHONETIC\_ALGORITHM=SOUNDEX)
  - 11. ASCII
  - 12. LENGTH
- **Supported Offline Hosted Help for ibi™ WebFOCUS® Client and Server**

You can now download all documents from [docs.tibco.com](https://docs.tibco.com) for the ibi™ WebFOCUS® Client and Server and then configure it as online help on a local server or on an alternate remote server. For more information, see the Configuring ibi™ WebFOCUS® Help topic in the *ibi™ WebFOCUS® Installation and Configuration for UNIX* guide and the *ibi™ WebFOCUS® Installation and Configuration for Windows* guide.
- **FOCUSPAGES function**

As of Release 9.3.0, a new FOCUS function, FOCUSPAGES is now available to use across all platforms. You can use it to find the size of a file as a number of pages. It returns the same value that is returned by ? FILE (filename). You can store the value returned by this function in an amper variable and use it to determine whether a file has data. For more information about this function see, *ibi™ FOCUS® Using Functions* guide.
- **Migration Tool**

A new Migration Tool makes it easier to migrate from one platform to another platform, or even to the cloud. You can analyze the metadata in your environment, and then export the configuration to move to the new system. For more information about the Migration Tool, see the *ibi™ WebFOCUS® Migration* guide.

- **Standalone Hyperstage PG**

The Hyperstage PG is no longer packaged with the ibi™ WebFOCUS® Reporting Server but is available to install as a standalone on the Linux and Windows platforms. For more information, see the *ibi™ WebFOCUS® Hyperstage PG Reference* guide.

- **New style property for In-Document Analytics Charts and Reports**

A new property, AR\_SHOW\_MENU has been added to the stylesheet for In-Document Analytics charts and reports. It is ON by default. When OFF, the (...) menu at the top right is hidden.

- **IbComposer\_resetInputControl Function**

A new function, IbComposer\_resetInputControl is now available in ibi™ WebFOCUS® App Studio. You can use this function to reset a control to its original state. For more information, see the *ibi™ WebFOCUS® App Studio User Guide*.

- **Parameter Field List for Maps**

As of Release 9.3.0, maps support adding parameter field list. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **StyleSheet Theme for Maps**

As of Release 9.3.0, maps support adding stylesheet themes. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **Bursting XLSX Compound Reports**

As of Release 9.3.0, bursting of reports is supported for XLSX Compound Reports. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **Customer ID Mandate**

Now, entering the Customer ID that is provided with your ibi™ WebFOCUS® software is mandatory during installation.

- **Positioning Components in Excel Documents**

You can now position Components in an Excel Compound document. You can position items on multiple worksheets or a single worksheet, and items can be

positioned in a fixed location by cell, or relative to each other. For more information, see the *ibi™ WebFOCUS® Creating Reports With ibi™ WebFOCUS® Language* guide.

- **Licensing Expiry Alert Notification**

With Release 9.3.0, you can configure an email notification to be sent to you before the expiry of your license and customer ID. For more information see Customize an Event Routing in the *ibi™ WebFOCUS® Server Administration* guide.

- **Stacked Bar Graph Null Series**

With Release 9.3.0, you can now remove null values from stacked bar graph. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **NLQ Features Supported in Designer**

With Release 9.3.0, NLQ features are now accessible within the designer. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **Drill-down Supported in Multilayer Map**

With release 9.3.0, drill-down features are now supported in multilayer maps. For more information, see the *ibi™ WebFOCUS® Creating Multilayer Maps* guide.

- **Accordion Report Supported in Designer**

With release 9.3.0, the accordion report feature is now supported in Designer. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **Column Width Supported in Designer**

With release 9.3.0, the column width feature is supported in Designer when creating a report. For more information, see the *ibi™ WebFOCUS® User Guide*.

- **Option for Run in a new window to the Designer autoprompt template**

A Run in a new window option is now available in the Designer autoprompt template, allowing you to run parametrized content in a new window instead of the current window.

- **UTF Support Enabled for FOCUS and CRTFORM**

Interactive FOCUS and CRTFORM now fully support Unicode Transformation Format (UTF) for data, metadata, MOIDFY, DM, TALK, and other related functions.

- **Trillion Compression Enabled for AHTML Charts**

Trillion compression enabled for AHTML charts and reports. 'T' added to data value exceeding trillions.

# Changes in Functionality

The following functionality and features have been changed in this release of ibi™ WebFOCUS®.

- When you create an AHTML chart, the heading and the footing are always embedded in the chart.
- When you create a workspace and use mixed case characters in its name, regardless of the mixed case setting, ibi™ WebFOCUS® Reporting Server always creates the associated application directory name in lowercase.
- In ibi™ WebFOCUS® App Studio, a new value `SHOW_DISPLAY`, has been added to the `WF_composer_skip_missing_values` property. When you use this value, all the missing values are displayed. You can add this value by going to **Admin Console > Custom Settings**.
- Now, in a new install, if you choose an existing repository, you must run `db_lb_update.bat` on Windows or `db_lb_update.sh` on UNIX/Linux.
- As of Release 9.3.0, the following changes are made to the Adapter for Python.
  - It is no longer supported on the z/OS platform.
  - It is now supported only on Windows x64 and Linux Intel x64 platforms.
  - Pre-installed Python releases are no longer provided for Windows x64 and Linux Intel x64 platforms. Therefore, you must separately install Python on these platforms. The only supported Python release is 3.9.x.

To see the installation instructions for Python, right-click the Adapter for Python icon on the Get Data page, and then click **Prerequisites**.

- Now, in WHERE and IF selection tests, when you use the IN operator, you must use comma as a delimiter to separate the elements in the list.
- In Mainframe FOCUS, if the screen content exceeds 24 lines, the remaining content is displayed on subsequent pages. Navigation options are displayed on all the pages.

# Migration and Compatibility

There are no migration procedures or compatibility issues in this release of ibi™ WebFOCUS®.

# Closed Issues

The following issues have been fixed in this release of ibi™ WebFOCUS®.

Key	Summary
ACT-2441	In an AHTML request, if COMPRESS is OFF and there is only one row to return, the request fails and the output is blank. (02204466)
ACT-2421	In an AHTML report, when HFREEZE=ON is used in style sheet, the pagination does not work as expected. (02185224)
ACT-2420	In Designer Preview mode, conditional styling displays incorrectly when Column Groups (ACROSS) are used. (02176377)
ACT-2410	For the AHTML Line chart, the ordering of the x-axis values causes the Line chart to break. (02150480)
ACT-2409	Using grid tool functionality in an AHTML report displays the incorrect sort order when HFREEZE=ON is used in the style sheet. (02173662)
ACT-2403	In an AHTML report, if columns exceed page width, the SUBTOTAL line is not aligned with data columns when HFREEZE=ON, AUTOFIT=ON, and SUBTOTALS are used in the style sheet. (02113811)
ACT-2279	Using grid tool functionality in an AHTML report displays the incorrect sort order for columns when HFREEZE=ON is used in the style sheet. (02030936)
ACT-2254	In an AHTML request, if a SET NODATA='' command is used in conjunction with missing and non-missing values, a file is corrupt error message displays in Excel. (02203164, 02030178, 02090815)
BIP-5244	On the ibi™ WebFOCUS® Portal, the collapsible navigation arrows do not appear for top and side navigation. (02185013)
BIP-5237	After upgrading from ibi™ WebFOCUS® Release 9.0.4 to Release 9.1.1, V4 portals do not render. (02178734)
CD-5718	In Designer, if you select or clear the <b>Run the Insight</b> option, an error

Key	Summary
	message is displayed. This happens when you create a report or a graph and include or exclude values to add filters. (02235234)
CD-5468	When you save a new visualization, it is not saved in the current directory or workspace as expected. (02200741)
CD-5461	In Designer, you cannot open and edit the drill-down filters with a value and amper variables. (02203914)
CD-5449	An error occurs when you have a master file with a column named <b>TITLE</b> and create a DEFINE field in several reports without a fully qualified name. (02169685)
CD-5421	In ibi™ WebFOCUS® Designer, when you change the content type from a chart to a report and the report to a chart, the series colors are not applied. This happens because CHART-COLOR-MEASURES is set to OFF. (02223778)
CD-5332	When you use DBA in your master files, the master files take some time to load in Designer. (02221359)
CD-5308	In the ibi™ WebFOCUS® Designer, an error message is displayed when a filter with ACCEPT criteria is added to the filter bucket. (02221114 02223937)
CD-5243	In ibi™ WebFOCUS® Designer, when you navigate to an application folder that contains a large number of subfolders and search for a master file, the search is slow. (02201604)
CD-5219	In ibi™ WebFOCUS® Designer, if you click the output format menu before the page is loaded, all output formats are displayed; even the ones not selected. (02209975)
CD-5208	In the ibi™ WebFOCUS® Designer, setting a static filter with all values only applies values from a single page when it is split into multiple pages. (02210034 02213571 02216454)
CD-5174	ibi™ WebFOCUS® Designer is unable to create a dynamic group for a <b>Define</b> field that has missing values. (02206596)

Key	Summary
CD-5128	In the ibi™ WebFOCUS® Designer, the existing reports with Auto Drill enabled render an Exception Check Logs error. (02200712)
CD-5047	In ibi™ WebFOCUS® Designer, the Select at runtime output format option is not retained when a chart or report is reopened.
CD-5004	In ibi™ WebFOCUS® Designer, an error occurs when using a Master File with a CRFILE cross-reference. (021944290)
CD-5003	After upgrading to 9.2.0, an error occurs when creating a report against some master files.
CD-4974	In ibi™ WebFOCUS® Designer, SQL Editor generates an error for the application name being too long. (02189950)
CD-4929	In ibi™ WebFOCUS® Designer, a filter using a dot (.) separated date format, like YYMD., is not working. (02185973)
CD-4927	In ibi™ WebFOCUS® Designer, the static filter bucket only renders the first 25 values in the add filters Select from Data dialog on the first page. (02187886)
CD-4912	In ibi™ WebFOCUS® Designer, the Renamed Parameter field is not reflected in the output. (02028823)
CD-4852	In ibi™ WebFOCUS® Designer, the repository does not let new content with FROM ... TO filter parameters to be saved after upgrading from Release 9.1.x to Release 9.2. (02182469)
CD-4833	In ibi™ WebFOCUS® InfoAssist, Using SET HOLDFORMAT = ALPHA prohibits InfoAssist from starting up. (02122169, 02180422)
CD-4828	In ibi™ WebFOCUS® Designer, the saved document with a prompted amper variable is unable to be edited in 9.2.0. (02200251)
CD-4817	In ibi™ WebFOCUS® Designer, the HOLD file with a DEFINE field in Designer generates a FIELDNAME NOT RECOGNIZED error. (02180100)

Key	Summary
CD-4810	In ibi™ WebFOCUS® Designer, you cannot add more than 99 fields in the details bucket of the designer content. (02179180)
CD-4786	In ibi™ WebFOCUS® Designer, you cannot edit a reporting object. (02169926 02222125)
CD-4766	In the ibi™ WebFOCUS® Designer, Target FEX displays prompt output when the required selection is selected in the filter shelf. (02171738)
CD-4761	In ibi™ WebFOCUS® InfoAssist, date and geolocation fields cannot be placed in the list when creating a parameter field list. (02171386, 02184987)
CD-4700	In ibi™ WebFOCUS® Designer, the 'Output Format' shows 'HTML5' after saving the content with 'Select at runtime' format. (02183727)
CD-4512	In ibi™ WebFOCUS® Designer, the font field in Add Calculation window changes when using Firefox (UTF-8). (02130268)
CD-4146	If you create a custom hierarchy in a Master file and then create a Visualization from that chart, the fields of that new hierarchy are not shown in the correct folder. (02084954)
CD-3636	In ibi™ WebFOCUS® Designer, When authoring a report, if two fields that have the same field name are added as filters, only one dropdown displays on the auto prompt page. (02033978)
CLRPT-4189	When the security is set to <b>Prompt for Credentials</b> and you run a procedure from a text editor, on the first sign-in you are prompted to enter a value for doSubmit. (02225827)
CLRPT-4187	After migrating from ibi™ WebFOCUS® Release 8206 to Release 9.2.1, in some reports, when clicking a drill-down, a user is prompted to enter a value of <b>IBIC_server</b> , even if it is set in the site.wfs. (02226605)
CLRPT-4177	When you run a report in ibi™ WebFOCUS®, if a default value contains an escaped literal ampersand (&) character, you cannot set it via a global variable. (02222137)



Key	Summary
CLRPT-4143	The Number of Light Weight Process (NLWP) connection evictors keeps increasing when the SOLR service is not running in ibi™ WebFOCUS®. (02201420)
CLRPT-4133	When providing a default value for a parameter in a procedure, the system variables &REMOTE_HOST, &REMOTE_ADDR, and &QUERY_STRING are prompted instead of being passed. (02216242)
CLRPT-4066	Although Set Update Last Access Time is set to OFF, it is updated in the procedure properties. (02214901)
CLRPT-4048	The tracking.xml file is updated on logoff, which might impact performance. (02204351)
CLRPT-4041	The Last Access On Update (IBI_UPDATE_LAST_ACCESS=OFF) command is not respected. (02203639 02214901)
CLRPT-3996	When performing a drill down from an AHTML report to the portal, the transfer of values (Japanese data) is not completed. (02194359)
CLRPT-3983	In the SJIS environment, when you set [CURRSYMB=EUR] in the edasprof.prp file, InfoAssist does not start. (02194331)
CLRPT-3958	When you configure many Reporting Servers with external security and a large number of users, you might face performance issues. (021745720)
CLRPT-3950	In the Adapter for Git, when you select <b>Place application under Source Management</b> on the Enable Source Control dialog, an internal IBFS error occurs. (02207517)
CLRPT-3939	In Designer, when you create a visualization and name it by using any Japanese characters, an error message is displayed and no content is created. (02187142)
CLRPT-3936	After upgrading to Release 9.1.1, when you open some specific IA reports or charts, an unrecoverable error occurs. (02179361 02186364)

Key	Summary
CLRPT-3931	After upgrading to Release 9.2.0, you are unable to edit or duplicate some Reporting Objects. (02188787)
CLRPT-3924	In InfoAssist, setting multiple dynamic filters for the same item produces an error, and the procedure file cannot be saved. (02182537)
CLRPT-3920	After you upgrade from Release 8206 to Release 9.2.0, some code that worked in Release 8206 does not work in Release 9.2.0. This issue is observed mostly in cases where comments in the code do not start in the first column. (02184801 02213173)
CLRPT-3904	When you run a report from the ibi™ WebFOCUS® Hub that includes a PCHOLD AS name FORMAT XLSX statement, it downloads the Excel file with the actual fe name, rather than the AS name. (02191602 02185767)
CLRPT-3890	Running a report with special characters on a WebSphere Application Server (WAS) with ISO-8859-1 or ISO-8859-15 encoding produces an error. (02170040)
CLRPT-3859	When you create a visualization, the Select Data Source dialog does not display the Japanese application folder. (02176865)
CLRPT-3857	When you run the mrdtcleanup.bat file in silent or interactive mode, it produces a java.lang.NullPointerException: null message. (02177432)
CLRPT-3855	After you upgrade to Release 9.1.1 and run the db_inplace_update.bat file, an installation error message is displayed. (02173547)
CLRPT-3839	[Run deferred] fails if Japanese characters are used in variable names. (02174869)
CLRPT-3825	In ibi™ WebFOCUS®, when you try to create a Change Management package, the export process stops responding and never completes. This happens if the user ID contains a hyphen (-). (02175293)
CLRPT-3779	After you upgrade from Release 8105 to Release 8207 and run reports that call multiple HTML files, a 400-Bad Request error occurs. (02164451)

Key	Summary
CLRPT-3766	When you run the <code>db_lb_update.bat</code> file, a migration error occurs for Oracle and MSSQL databases.
CLRPT-3713	When you have a large number of groups in the Security Center, logging in to ibi™ WebFOCUS® the first time may take some time. (02158239)
CLRPT-3679	There is no way to delete files from ibi™ WebFOCUS® workspaces that are under Source Control Management and are no longer required in a branch. (02154387)
CLRPT-3678	When you use the <code>Commit &amp; Push</code> command from the <b>WebFOCUS GIT</b> options, if there is a new procedure at the subfolder level, the modified or updated procedures (FOCEXECs) are not pushed to the Remote Repository. (02154386)
IA-12297	In ibi™ WebFOCUS® InfoAssist, parameter filters that use the pipe ( <code> </code> ) character, do not work. (02215445)
IA-12295	In ibi™ WebFOCUS® InfoAssist, in some reports, the <b>DEFINE</b> fields are reordered in the procedure, resulting in errors. (02212179)
IA-12286	In ibi™ WebFOCUS® InfoAssist, when you open a report with multiple <b>DEFINE</b> fields that have the same name, there is a spike in resource usage it impacts performance. (02194821)
IA-12231	In ibi™ WebFOCUS® InfoAssist, content that includes a filter that is created by using the <b>New Expression</b> option, a field not found message is displayed when you create a <b>DEFINE</b> or <b>COMPUTE</b> . (02176608)
IA-12230	In ibi™ WebFOCUS® InfoAssist, in a JOIN, you cannot see the "X" for the second Master File, as the background color of both JOINS is black. (02176603)
IA-12222	In ibi™ WebFOCUS® InfoAssist, charts in a document might not have <b>Interactive Options</b> available although it is an applicable output format. (02171249)

Key	Summary
IA-12195	Some operators are unavailable in the list after selecting the parameter for the filter. (02162615 02175422)
IA-12192	In ibi™ WebFOCUS® InfoAssist, when you reopen content, filters that are created earlier by using the <b>New Expression</b> option might be modified or might cause errors. (02159870)
IA-12179	In ibi™ WebFOCUS® InfoAssist, when you change the column title in a report to ON or OFF and then save it, reopening it causes an error. (02157619)
IA-12129	After you migrate to Release 8207.28.xx, the placement of DEFINES and JOINS causes errors. (02128012 02173959)
IA-12088	After you upgrade to Release 8207.28 and open a report with multiple <b>DEFINE</b> fields in InfoAssist, the system stops responding and the CPU utilization rate of Java is very high. (02113472)
IA-11990	In ibi™ WebFOCUS® InfoAssist, it is not possible to paste text in the header or footer window if a trailing space is part of the text. (02087717 02095679)
IA-11895	In ibi™ WebFOCUS® InfoAssist, subtotals with a MAX.aggregation are changed back to a SUM.aggregation when you save the report and reopen it. (02064506)
IA-11147	In ibi™ WebFOCUS® InfoAssist, when you create an Alert by using <b>Test as a file existence</b> option, dashes are removed from the fully qualified path. (02029017 02213510)
IA-8656	In ibi™ WebFOCUS® InfoAssist, when you apply sort to a pie chart, the Drill Down button is disabled. (02027611)
IBIAS-8680	In ibi™ WebFOCUS® App Studio, when you pass multiple values from the input field, you get _FOC_NULL for some fields after amending them. (02225969)
IBIAS-8678	In ibi™ WebFOCUS® App Studio, although the controls on the Maintain form are set to not load on the initial page, they are loaded. (02224966)

Key	Summary
IBIAS-8676	In ibi™ WebFOCUS® App Studio, after you view the submenu in Requests & Data Sources, when you open the submenu and quickly click in the blank area, App Studio is terminated. (02223160)
IBIAS-8675	On an HTML page in App Studio, when you minimize an output widget that is maximized, a small gap remains between the window and the widget. (02221010)
IBIAS-8657	On the Designer Portal, chained parameters from an HTML page are not passed to a secondary page. (02219049)
IBIAS-8653	When doing a drill down in an AHTML report with a target to IFRAME in an HTML page, it opens in a new browser tab rather than in the IFRAME. (02141476)
IBIAS-8651	In the Designer portal, date from calendar filter control that is initialized by an onInitialUpdate function is lost when navigating between pages. (02218011)
IBIAS-8646	In ibi™ WebFOCUS® App Studio Maintain, running an empty data grid causes Javascript errors. (02216516)
IBIAS-8645	A particular FOCEXEC causes ibi™ WebFOCUS® App Studio Release 8207.28.xx to stop responding. (02207099)
IBIAS-8635	When a session times out, instead of taking the user to the login page, an XML error is displayed. (02141604)
IBIAS-8630	In ibi™ WebFOCUS® Release 9.2.1, when you use the Global Name attribute on an HTML resource layout page, the attribute is not passed over to a new HTML page. (02209900)
IBIAS-8629	In ibi™ WebFOCUS® App Studio, an error occurs when you try to connect by using SAML and Anonymous authentication. (02209872)
IBIAS-8627	When you use a saved set of parameters and run a procedure, instead of opening an HTML page, the Save Parameters window is displayed.

Key	Summary
	(02211368)
IBIAS-8625	In ibi™ WebFOCUS® App Studio, an environment configured by using an IP Address causes a cookie error while running reports. (02202761)
IBIAS-8622	On an HTML page that has a dropdown, the arrow on the Run button is missing. (02203117 02203619)
IBIAS-8621	In ibi™ WebFOCUS® App Studio, selecting <b>Save File</b> as the report output destination automatically removes the Excel template settings. (02205837)
IBIAS-8620	The Designer autoprompt template does not work in a tab container. (02203117 02203619)
IBIAS-8619	When you create a new HTML and change the value of Button Type to either <b>Submit</b> or <b>Reset</b> , after saving the HTML file the value of the variable is reverted to Button. (02207008)
IBIAS-8617	On an HTML page in App Studio, the on blur and on focus events do not work for calendar controls. (02206391)
IBIAS-8611	In App Studio, when you try to create a .PDF file, the line break is removed when you switch between the <b>Design</b> tab and the <b>Source</b> tab. (02199935)
IBIAS-8610	After upgrading to ibi™ WebFOCUS® App Studio Release 9.2.1, the SQL report wizard shows no connections. (02194489 02212161)
IBIAS-8609	When using the <b>Paging/Search</b> control on a double list, the <b>Last</b> and <b>Reset All</b> buttons do not work as expected. (02201137)
IBIAS-8601	In ibi™ WebFOCUS® App Studio Release 9.2.0, when developers switch between 2 environments, they get access denied error. (02199287)
IBIAS-8599	After upgrading to ibi™ WebFOCUS® App Studio Release 9.2.0, when you download a .PDF file or an .XLSX file, the window does not close automatically. (02198533)

Key	Summary
IBIAS-8591	In ibi™ WebFOCUS® App Studio Release 9.2.0, Javascript for a control that allows users to type in a selection and insert it into another control for filtering does not work. (02196394)
IBIAS-8580	In ibi™ WebFOCUS® App Studio, when you save parameter conditions without adding any values in the text area on an HTML page and load the page, FOC_NOSELECTION is displayed in the text area. (02188930)
IBIAS-8579	After migrating from ibi™ WebFOCUS® Release 8.2.06 to Release 9.2.0, a static list box control on an HTML page has an extra element with no value. (02193423)
IBIAS-8577	In ibi™ WebFOCUS® App Studio, hovering over a drop-down list does not show values if the length of the values does not fit the width of the drop-down control. (02192008)
IBIAS-8575	On an ibi™ WebFOCUS® App Studio HTML page, double list box arrows load before making a selection. (02192296)
IBIAS-8574	In ibi™ WebFOCUS® App Studio, the spinner on an HTML page remains when loading multiple animations. (02192040)
IBIAS-8565	In ibi™ WebFOCUS® App Studio, when you open an HTML page, the content whose parameters have changed default values are unbound from their controls. (02191028)
IBIAS-8564	In ibi™ WebFOCUS® App Studio, the isoutputboundasvalue attribute on an HTML page is interpreted differently between Release 8.2.06 and Release 9.2.0. (02191008)
IBIAS-8563	In ibi™ WebFOCUS® App Studio, an error occurs when you select <b>Create Report</b> or <b>Create InfoAssist Chart</b> from the synonym file in the application folder. (02187474)
IBIAS-8560	In ibi™ WebFOCUS® App Studio, after Release 8207.28.13 hotfix 20, an HTML page takes longer to load. (02189040)

Key	Summary
IBIAS-8556	In ibi™ WebFOCUS® App Studio, in 2 chained calendar date controls, you are able to select or open the calendar for end date even if you do not select the start date first. (02185555)
IBIAS-8551	In ibi™ WebFOCUS® App Studio, when you save a selection on an HTML page, the date parameter is formatted with slashes although the <b>Send unformatted value</b> option is selected for that calendar control. For example, 2023/05/31, instead of 20230531. (02187711)
IBIAS-8550	On an ibi™ WebFOCUS® App Studio HTML page, sometimes the value of a slider control does not change after clicking the arrow buttons. (02185140)
IBIAS-8537	In App Studio, the double list box shows only 50 values instead of all the values. (02185286)
IBIAS-8532	On an HTML page, when the <b>Send unformatted value</b> option is not enabled on the <b>Settings</b> tab, then you can still submit a calendar control without a selected value. This happens when the <b>Selection and Validation</b> option is set to <b>Required/no validate</b> in the Properties panel for the control. (02181438)
IBIAS-8529	In ibi™ WebFOCUS® App Studio, dates are not sent correctly from an HTML page to a procedure (.fex) file. (02182104)
IBIAS-8520	In ibi™ WebFOCUS® App Studio, opening a downloaded document with PPTX output format displays an error. (02180186)
IBIAS-8519	In ibi™ WebFOCUS® App Studio, when you edit any report with 20 BY segments in a text editor and apply a theme, App Studio stops responding after you save the report. (02179762)
IBIAS-8517	In ibi™ WebFOCUS® App Studio, if there are multiple controls on an HTML page, the MultiSourceTreeControl Save Parameters loads values from the previous saved report and the new saved report values as well. (02181143)
IBIAS-8507	If you run ibi™ WebFOCUS® App Studio in Microsoft Edge, Google Chrome, or Mozilla Firefox Selenium browsers, previously defined cookies are not sent.



Key	Summary
	(02177179)
IBIAS-8505	In ibi™ WebFOCUS® App Studio, when you upgrade from Release 8.1.05M to Release 9.0.4, an HTML Composer page with drop-downs does not display the <i>Display from</i> value at run time. (02175956)
IBIAS-8491	In ibi™ WebFOCUS® App Studio, an error occurs when you use the <b>Request and Data Source</b> and add an underscore ( _ ) at the end of a variable name in a procedure. (02173297)
IBIAS-8482	After closing the Join window in the object inspector, instead of the master file fields, the Join window appears. (02172087)
IBIAS-8480	In ibi™ WebFOCUS® App Studio, the Default_theme.css changed between Release 8.2.07 and Release 9.1.0, affecting the HTML Resource Layout page. (02166323)
IBIAS-8466	On a localized HTML page in ibi™ WebFOCUS® App Studio, the time, hour, minute, and second labels of a calendar control are not translated. (02171043)
IBIAS-8422	In ibi™ WebFOCUS® App Studio, an HTML page with Save selection parameters is blocked by the firewall when the French character é is used. (02157707)
IBIAS-7955	In ibi™ WebFOCUS® App Studio, when you use SAML authentication, you are denied access although you provide your log in credentials. (02032600 02091290 02144565 02034731)
IBIDF-3990	When you run a procedure with ibi™ WebFOCUS® Designer Autoprompt having both static and dynamic values for the same parameter, the values for both are not displayed. (02201784)
IBIDF-3918	For the date filtering, the bookmarks of the designer page do not work as expected from the next day of the bookmarking. (02209712)
IBIDF-3912	The report in the <b>Focus</b> tab waits for the user to select a parameter.

Key	Summary
	However, if the user clicks on any other tab, those reports run without any parameters or filters selected. (02227099)
IBIDF-3908	In ibi™ WebFOCUS®, the <b>drill anywhere</b> feature does not work for charts created using a reporting object. (02225966)
IBIDF-3907	When running a report with ibi™ WebFOCUS® Designer Autoprompt, an error is displayed when a <b>DEFINE</b> field with an amper variable occurs in the procedure before the default value for that variable is set. (02222856)
IBIDF-3901	In ibi™ WebFOCUS® Designer, an error is displayed when attempting to save the report with the parameter using the Responsive autoprompt template. (02224332)
IBIDF-3875	In ibi™ WebFOCUS®, bookmarks do not work as expected if there is a source binding to a multiselect static parameter. (02215416)
IBIDF-3867	In ibi™ WebFOCUS® Designer, the support for multiple levels of chaining fails when the parent filter value is assigned by default. (02214397)
IBIDF-3851	In ibi™ WebFOCUS® Designer, Migrated Designer pages are not displaying export options, and there are issues with date controls. (02210465)
IBIDF-3850	In ibi™ WebFOCUS® Designer, a configuration error is thrown while running an assembled page with auto-refresh enabled. (02211787)
IBIDF-3847	In ibi™ WebFOCUS® Designer, the <b>Filter</b> dropdown menu does not display the date in the correct format. (02205841)
IBIDF-3838	In ibi™ WebFOCUS® Designer, when the null behavior value is set to <b>_FOC_NULL_</b> , the <b>Run in new window</b> option displays a blank screen. (02209952)
IBIDF-3831	In ibi™ WebFOCUS® Designer when you edit the Assembly Visualization, select the option SAVE AS and keep the same name, CSS and JS are removed from it.(02206463)
IBIDF-3825	When you add a conditional interaction, the filter controls get rearranged on

Key	Summary
	a page. (02206248)
IBIDF-3816	Manually setting the width and height does not work as expected in Visualizations. (02203946)
IBIDF-3786	Enabling the selection controls did not refresh the subsequent filters. (02199872)
IBIDF-3748	In ibi™ WebFOCUS®, when running a report with Message Viewer <b>ON</b> , the message does not display in ibi™ WebFOCUS® App Studio. The same behavior is observed when a report is run directly from the ibi™ WebFOCUS® Hub and Parameter Prompting is set as <b>Designer</b> . (02186470)
IBIDF-3716	In ibi™ WebFOCUS® Designer, <b>Insights</b> feature is enabled when pyserv_url is not configured on ibi™ WebFOCUS® Reporting Server. (02203920)
IBIDF-3672	In ibi™ WebFOCUS®, filter paging is not enabled by default in Release 9.2.0. (02186204)
IBIDF-3561	In ibi™ WebFOCUS® Designer, <b>IBIMR_domain</b> and <b>IBIMR_fullpath</b> render incorrect values when the <b>Default Autoprompt Template</b> is set to <b>Designer</b> . (02166402 02177483)
IBIDF-3560	In ibi™ WebFOCUS® Designer, the autoprompt template throws a FOC205 error when running the procedure using the text editor. (02166275 02193494)
IBIDF-3551	In ibi™ WebFOCUS® Designer, the parameter is not passed to drill down when the field name characters are DBCS. (02164709)
IBIDF-3507	In ibi™ WebFOCUS® Designer, the Dropdown control does not work in a Designer page for a procedure that uses an ACCEPT list of values with a Master File filter. (02162033)
IBIDF-3489	In ibi™ WebFOCUS® Designer, Single date filtering in the page, when created with visualization, is not giving the correct results. (02149325)
IBIDF-3423	In ibi™ WebFOCUS® Designer, Field data does not display when setting

Key	Summary
	dynamic filter source that has DBCS name. (02150931)
IBIDP-226	While Migrating from older versions to new ibi™ WebFOCUS® version, the images in designer portals are not aligned properly. (02218230 02217054)
IBIINST-2709	You are not able to do network installation of App Studio Zero-Footprint. (02210241)
IBIPD-1750	In ibi™ WebFOCUS®, when the global amper is active, the filter shows All value. (02210442)
IBIUX-2299	In the Portals area of the ibi™ WebFOCUS® Hub, a custom thumbnail image does not display. (02193380 02206513)
IBIUX-2169	In ibi™ WebFOCUS®, querying any data source using the <b>Explore Data</b> feature generates error. (02209664)
IBIUX-2127	In the ibi™ WebFOCUS® Hub, the displayed size of some files is multiplied by 10. (02195292)
IBIUX-2121	In the ibi™ WebFOCUS® Hub, repeatably right-clicking the same item multiple times can result in a semi-transparent "ghost" context menu that cannot be used or dismissed. (02190007, 02200102)
IBIUX-2115	After upgrading from ibi™ WebFOCUS® 8207 to ibi™ WebFOCUS® 9.2.0, when trying to log out from a portal, it does not log the user out and takes them back to the portal. (02181585)
IBIUX-2080	In ibi™ WebFOCUS® Hub, Favorites or Recently worked on are replicated several times after the user has gone through Shared with me or My workspace. (02188013)
IBIUX-2072	In ibi™ WebFOCUS® Hub, Adding a shortcut to a Portal does not refresh Workspace. (02188652)
IBIUX-1998	In ibi™ WebFOCUS® Hub, the Rules for this Group option is not populating the list of security rules set. (02188584 02184826 02186847 02192715)

Key	Summary
IBIUX-1967	In ibi™ WebFOCUS® Designer, Designer visualization searching MASTER Files does not scan the various applications and subfolders to find MASTER Files. (02166024)
IBIUX-1746	In ibi™ WebFOCUS® Designer, when Parameter Prompting's <b>Default Autoprompt Template</b> is set to <b>Responsive</b> , the auto prompt panel displays close to the bottom and moves out of view. (02160967 02205644)
IBIUX-1617	When launching the ibi™ WebFOCUS® Administration Console from a direct URL, standard ibi™ WebFOCUS® interface styling is not applied. (02208650 02221523)
IBIUX-1581	In ibi™ WebFOCUS® Designer portals, the User menu is not AODA (Accessibility for Ontarians with Disabilities Act) compliant. (02147233)
IDA-1490	NOPRINT fields are not used in the AHTML drill-downs. (02223011)
IDA-1485	When you use the Percent layout option to create an AHTML bar chart, area chart, or line chart, on running the report and trying to export it as a .PNG file, the resulting image is displayed as a stacked chart instead of the chosen Percent layout. (02203160)
IDA-1450	For AHTML, when you use the JavaScript Drilldown function or portalDispatch in an AHTML report or chart, an error is displayed in the browser and the tool console. (02196222)
IDA-1446	If you set the LAYOUTRTL= ON for AHTML format, the minus (-) sign is displayed on the right side of a number instead of on the left side. (02193995)
IDA-1425	In In-Document Analytics, when you create a bar chart, an area chart, or a line chart for AHTML format, the axis titles are displayed although you set the property to hide them. (02172021 02176882 02183715)
IDA-1393	IDA options disappear from the Designer Page container menu after using the grid tool. (02230159)

Key	Summary
IDA-1165	In an In-Document Analytics chart, the abbreviations for large numbers, for example, the English standard K for thousands, are not translated to the language you select in ibi™ WebFOCUS®. (02030731)
MNTRSV-108	A 60-second delay is observed between Maintain calls. (02217679)
MNTRSV-104	When returning to a Parent Maintain from a called Child fails to redisplay the Parent form in the repository with containers. (02208231)
MNTRSV-101	Checkboxes on Maintain forms are displayed with multiple options and no label. (02218691)
MNTRSV-95	When a parent HTML file calls a child HTML file, closing the child HTML does not return the control to the parent HTML. (02208231)
MNTRSV-85	In the ibi™ WebFOCUS® App Studio Maintain, running an external Maintain procedure in Release 9.1.0 or Release 9.2.0 causes an error or produces no output. (02181942 02184756)
MNTRSV-77	In ibi™ WebFOCUS® App Studio Maintain, using a NEXT statement with a WHERE clause against two fields that have a format of A2000V causes the form to not display. (02161790)
RC-3002	When you run a schedule with Job Options to enable traces through REST services, it fails to activate the traces. (02221222)
RC-2678	In ibi™ WebFOCUS® ReportCaster, the FileUploadException error occurs during the execution of WSDL for ibi™ WebFOCUS® ReportCaster when the WAR file is deployed on WebSphere. (02200810)
RC-2630	In ibi™ WebFOCUS® ReportCaster, the Report Library expiration date is shown as NEVER if 10 years or beyond date is set in the ibi™ WebFOCUS® ReportCaster schedule. (02191213)
RC-2564	In ibi™ WebFOCUS® ReportCaster, <b>ReportCaster Max Connections (threads)</b> setting is not honored. (02177998 02186241 02197537 02217163)

Key	Summary
RSTY-2508	In ibi™ WebFOCUS®, in PDF, Unicode that uses CRLF HEXBYT 13/10 results in a rectangle box being displayed at the end of the string. (02216862)
RSTY-2503	In ibi™ WebFOCUS®, XLSX AnV format with MISSING ON and HEADALIGN=BODY displays the actual V length followed by the MISSING period regardless of NODATA. (02207120)
RSTY-2494	In XLSX, ASCII code 9 in the HEXBYT subroutine function is displayed as a square box. (02207195)
RSTY-2449	In ibi™ WebFOCUS®, certain XLSX documents containing multiple charts and reports, generate broken image frame for all charts on a worksheet. (02244626)
RSTY-2429	In ibi™ WebFOCUS®, the page breaks do not work in PDF files. (02170873)
RSTY-2428	In ibi™ WebFOCUS®, the PDF files size are off by about 1KB between Release 8.1.0.5m and Release 9.1.1. (02170868)
RSTY-2358	In ibi™ WebFOCUS®, Microsoft Office 2021 is not supported. (02121734 02228126)
SRVADPT-2978	ibi™ WebFOCUS® Reporting Server stops working when using a <b>DEFINE</b> field that is not linked to a real field and uses SQL function. (02235390)
SRVADPT-2963	In the Japanese environment, when uploading data containing date-type items, you cannot run data statistics. (02228649)
SRVADPT-2954	When using multitenant environment for ibi™ WebFOCUS® Release 8207.28.07, tenant agents stop working after login. (02211516)
SRVADPT-2937	When creating a synonym by using the Adapter for Snowflake Cloud Data Warehouse, the ibi™ WebFOCUS® Reporting Server agent stops working. (02232396 02232451 02232703 02233246)
SRVADPT-2885	After upgrading from ibi™ WebFOCUS® Release 8.2.02 to Release 8.2.07.28, a specific date 2023/07 is not filtered. (02218721)

Key	Summary
SRVADPT-2879	The Adapter for Google BigQuery does not return the complete data from the table. (02202940)
SRVADPT-2873	When connecting to double-byte character data through ibi™ WebFOCUS® Open Visualization from Tableau, it gets corrupted. (02221665)
SRVADPT-2872	The Master File created in Release 8206 using the Adapters for Fixed-Format and Delimited Files shows different results when migrated to Release 8207 and later. (02227365)
SRVADPT-2843	When using the BigQuery source and target in the flow, if the load process contains 130k or more records, an agent has been forced terminate error message is generated. (02210488 02220898)
SRVADPT-2840	For the Adapter for PeopleSoft, when a security resynchronization is performed, the HTTP Listener stops functioning. (02224233)
SRVADPT-2821	When using the Adapter for SQL Server Analysis Services Tabular Data Model with a bi-directional (bridge) join, procedures that use fields on both sides of the join fail. (02208600)
SRVADPT-2801	When creating a synonym for the Adapter for ibi™ WebFOCUS® Client, the <b>Show DBMS Objects</b> option does not display all available synonyms. (02213754 02208835)
SRVADPT-2799	After installing MySQL client 8.0.x, by default it disables loading local file causing Bulk Load to fail. (02211342)
SRVADPT-2776	When uploading data to SQL Server using ibi™ WebFOCUS® Designer, the <b>Merge into Existing</b> feature does not work as expected unless the Microsoft SQL Server 2012 Native Client is installed. (02179436)
SRVADPT-2773	When migrating from Release 8207.28.13 to Release 9.2.1, FOCEXECs that use SQL passthru for Master Files in the Adapter for RedShift cause the ibi™ WebFOCUS® Reporting Server agent to stop responding. (02215693)
SRVADPT-2772	In ibi™ WebFOCUS® Client, when upgrading to Release 8207.28 from Release



Key	Summary
	8201, generating the production report requires more DBMS time and the output file (xlsx) is not generated. (02212446)
SRVADPT-2754	When using the Adapter for Rest and passing JSON in the body, the escape character (\n) is transformed to the new line (n ) character, which cannot be used by the SMS service that is called by the adapter. (02186374)
SRVADPT-2752	For the different BigQuery passthrough requests the output results are different. (02210488 02195419 02202940 02220898)
SRVADPT-2738	When using the Adapter for SQL Server Analysis Services Tabular Data Model with a bi-directional (bridge) join, procedures that use fields on both sides of the join fail. (02208600 02220874)
SRVADPT-2730	An error message is generated when running a procedure that joins a HOLD file to a SAP function module. (02199809)
SRVADPT-2728	In the Adapter for SAP HANA, the SQL query plans for JDBC are different than the SQL query plans for ODBC. (02207697)
SRVADPT-2688	Improved handling of the virtual fields generating ODATA v4 requests. (02200674)
SRVADPT-2684	For the different BigQuery passthrough requests, the output results are different. (02195419)
SRVADPT-2671	The data definition, which is column data length of an Oracle database table, is different between Release 8.1.05 and Release 9.1.0, which generates an Oracle (FOC1426) DATA ELEMENT VALUE TOO BIG FOR SEGMENT/FIELD with MISSING=ON message. (02183737)
SRVADPT-2663	In ibi™ Data Migrator, when processing a NULL value, the web service fails. (02201248)
SRVADPT-2632	In ibi™ Data Migrator, after upgrading from Release 8.2.06 to Release 9.1.1, running a flow that contains a DB_INFILE filter in a synonym results in a termination of the running job. (02196320)

Key	Summary
SRVADPT-2611	In Business View, when a null value is used in a sort sequence, it generates an incorrect join result. (02195044)
SRVADPT-2591	In ibi™ WebFOCUS® Release 8207.28.14, PERSISTENCE VOLATILE for Snowflake local temporary tables is not implemented for Snowflake and migration fails. (02195158)
SRVADPT-2589	On an i5 operating system, Db2 performance is slow on the second execution of the same FOCEXEC. (02180813)
SRVADPT-2588	In ibi™ Data Migrator, a data flow with a large JOIN stops working. (02194707)
SRVADPT-2572	The data definition which is column data length of an Oracle database table is different between Release 8.1.05 and Release 9.1.0, which generates an Oracle (FOC1426) DATA ELEMENT VALUE TOO BIG FOR SEGMENT/FIELD with MISSING=ON message. (02183737)
SRVADPT-2565	After upgrading from ibi™ WebFOCUS® Release 8206 to Release 9.2.0, an error message is generated when running reports. (02192002)
SRVADPT-2555	When creating a Master File for the Adapter for XML, if the Local Document property is not updated, then an empty XML file is created. (02185844)
SRVADPT-2547	The HOLD file format of a DB2 TIMESTAMP column is now A29. (02186308 02186425)
SRVADPT-2543	When using the <b>LAG</b> function while running a flow, an error message is generated. (02181627)
SRVADPT-2533	The Adapter for REST configured for chained authentication fails to send the token. (02186345 02186875)
SRVADPT-2525	The sort order for Null values is different for the Adapter for Oracle and the Adapter for Snowflake Cloud Data Warehouse. (02163627 02180252)
SRVADPT-2521	In the Adapter for Google BigQuery, an error may occur when running an

Key	Summary
	asynchronous query in a single region. (02180638 02197460)
SRVADPT-2508	After migrating ibi™ WebFOCUS® Reporting Server from Release 8.1.05M to Release 8207.28.09, cluster Master Files that use a generic ODBC connection to the Netezza source database take more time to run. (02180940)
SRVADPT-2487	In the Adapter for HP Vertica, the <b>DEFINE</b> tab in Designer displays the incorrect UTF-8 string. (02174890)
SRVADPT-2485	On a Windows x86_64 system, you cannot deploy ibi™ WebFOCUS® ODBC Client (setup_odbc_client) for integration with third-party products, if dates are defined as USAGE=MDYY in the Master File. (02177954)
SRVADPT-2452	When joining two different data sources, the SQL join is not optimized as a single select with a WHERE clause for efficient processing. (02160916)
SRVADPT-2448	In the Adapter for Amazon Athena Master File, if the value of the FIELDNAME contains multibyte characters, then an error message is generated when running a report. (02168645)
SRVADPT-2437	When using the Adapter for Microsoft SQL Server with OLEDB or ODBC, the agent stops responding if you attempt to pass a trusted ID from an Active Directory user to gain access for testing or to use the SQL Server bulk loader. (02167066)
SRVADPT-2305	When uploading the numeric data with overflow digits by using the Adapter for HP Vertica, an error message is generated. (02144706)
SRVADPT-2232	When using the MATCH_ADDRESS component of the GIS_REVERSE_COORDINATE function, geographic component values are truncated. (02132315)
SRVADPT-2142	When the Adapter for REST is used to create a synonym for SharePoint, the entire dataset is not retrieved. (02112956)
SRVADPT-2065	In the Adapter for OData, a filter on an expanded collection fails. (02092518)
SRVADPT-2033	When creating a synonym for the Adapter for Hyperstage PG, the views are

Key	Summary
	not displayed in the list of synonym candidates. (02094771)
SRVADPT-2025	In the Adapter for Cloudera Impala to Access Data Managed by Hadoop, multiple DISTINCT aggregation is not supported. (02091203)
SRVADPT-1887	On the AIX operating system, a connection configuration for the Adapter for Cloudera Impala to Access Data Managed by Hadoop with Kerberos authentication fails. (02032102)
SRVADPT-1858	In ibi™ WebFOCUS® Designer, users receive an error message when filtering the MSSQL bit datatype. (02062732)
SRVADPT-1800	Null fields are treated as ' ' (space) in XLSX files in Release 8207.28 and later. (02054732 02058112)
SRVADPT-1684	The function DTRUNC for date periods WEEK and WEEK_END is added as one day for the BY clause in the Adapter for PostgreSQL, the Adapter for Greenplum, and the Adapter for Hyperstage PG. (02037169)
SRVADPT-1616	When creating a synonym for the Adapter for XML, an error message is generated. (02032957)
SRVADPT-1563	In the Adapter for Sybase, Trim, TRIMV, and TRIM_ functions are not optimized. (02030775)
SRVADPT-1532	In ibi™ Data Migrator, when creating a flow to write out a file in Parquet format to an S3 bucket, the agent crashes. (02031375)
SRVADPT-1506	When using a DEFINE in a JOIN syntax, the ibi™ WebFOCUS® Reporting Server agent stops functioning. (02030424)
SRVADPT-1001	In the Synonym Editor, the <b>Check Expression</b> option in the Define Calculator does not recognize unbalanced IF THEN ELSE structures. (02029087)
SRVADPT-486	When creating the synonym for the Adapter for Python, an error message is generated. (190716122)

Key	Summary
SRVADPT-307	Added support for IIAS/Db2 Warehouse. (180502002 180926149 180321091)
SRVDA-2513	If the MASTER is within an APP MAP application, the Autodrill on a chart does not activate. (02224338)
SRVDA-2496	When uploading data by using Excel on the <b>Get Data</b> page, the selected settings do not reflect in the synonym. (02233933)
SRVDA-2490	In Application Directories, after clicking on folder properties the user cannot exit the properties window since the <b>Cancel</b> button is missing. (02229866)
SRVDA-2482	In the ibi™ WebFOCUS® Reporting Server Console, the <b>Cancel</b> button is not displayed for the <b>Remote Server Settings</b> dialog. (02187772)
SRVDA-2481	When setting the CODE_PAGE to 273-IBM EDCDIC Germany F.R./Austria, the <code>java.lang.NullPointerException</code> error is generated. (02225168)
SRVDA-2480	When opening the synonym created with the Adapter for REST in ibi™ WebFOCUS® Designer, an error message is generated. (02231354)
SRVDA-2479	When the same name is given to a column, alias, and an advanced expression in the ibi™ WebFOCUS® Designer <b>Data</b> tab, an error message is generated. (02223141)
SRVDA-2475	The <b>Property</b> window appears when hiding the Attribute in ibi™ WebFOCUS® Designer Business View. (02229891)
SRVDA-2464	In ibi™ WebFOCUS® Hub, if lowercase field names are used when uploading data, the insertion formula is not reflected. (02223713)
SRVDA-2454	When performing a UNION with the <b>TYPE</b> field on the <b>DATA</b> tab of ibi™ WebFOCUS® Designer, an error message is generated. (02226447)
SRVDA-2421	In ibi™ WebFOCUS® Designer, a Business View may be slow to load when DBA is used. (02221359)
SRVDA-2420	In ibi™ WebFOCUS® Designer, an error is generated when you open a

Key	Summary
	Business View with ACCEPT on a field. (02221114)
SRVDA-2403	The <b>DEFINE</b> tab in the ibi™ WebFOCUS® Designer displays an unknown error message (IA_230620_041227-1). (02190000)
SRVDA-2365	After specifying a conditional expression in the Synonym Editor from the Web Console, if you click the <b>Exit and return to full console</b> button and select <b>Discard</b> , the specified conditional expression is not discarded and saved. (02206571)
SRVDA-2363	In a Designer Visualization, the SQL Editor issues an error if the <b>User ID</b> is too long. (02205663, 02206292)
SRVDA-2350	In ibi™ WebFOCUS® InfoAssist, when using the <b>EDIT</b> function in the <b>DEFINE</b> function an error message is generated. (02028880)
SRVDA-2342	When creating a visualization, if you create a <b>Persistent Extraction Stage (Target)</b> and replace it with the same file name and save it, the data flow is deleted. (02191372 02189732 02206574)
SRVDA-2331	In ibi™ WebFOCUS® Designer, when migrating from ibi™ WebFOCUS® Release 8.2.06 to ibi™ WebFOCUS® Release 9.2.0, Business Views with BV_NAMESPACE=ON produce an error message. (02189676)
SRVDA-2325	In ibi™ WebFOCUS® InfoAssist and ibi™ WebFOCUS® Designer, when using the RESTRICT clause in DBA, the content of TITLE and DESCRIPTION does not display, and the FIELDNAME is displayed instead. (02173015)
SRVDA-2318	In ibi™ WebFOCUS® Designer, joining Master Files with multiple primary keys changes the key into a single key. (02190481)
SRVDA-2316	In ibi™ WebFOCUS® Designer, specifying multiple join keys in a synonym generates FOC1400 and FOC1500 errors. (02189175)
SRVDA-2271	In a Multifact MAS file, the behavior of the T FILE and the GRAPH FILE is different. (180608004)

Key	Summary
SRVDA-2246	In ibi™ WebFOCUS® Designer, when you create a visualization and name it by using any Japanese characters, an error message is displayed and no content is created. (02187142)
SRVDA-2238	When using the Adapter for Python to create a synonym, an error message is generated if a synonym candidate file contains a date column. (02029601)
SRVDA-2221	When defining a Business View after the initial creation, the Metadata Editor associated with a FLOW incorrectly inserts ALIAS=ABC, BELONGS_TO_SEGMENT=ABC into the business view. (02029527)
SRVDA-2217	In the Adapter for PostgreSQL, the database username cannot exceed a limit of 48 characters. (02027270)
SRVDM-887	When attempting to insert records with null values if the table is configured to not accept null values, the Adapter for Microsoft SQL Server does not display any error on the Windows operating system. (02204636)
SRVDM-877	In the ibi™ Data Migrator, a data flow automatically corrects the parameters for the Bulkload when the Master File is created by using Adapters other than the Adapter for HP Vertica, and the flow is saved. (02200151)
SRVDM-866	When logging into the Data Management Console with the <b>Enhanced Security</b> option set to on, the connection could not be established message is generated. (02192967)
SRVDM-855	After upgrading from ibi™ WebFOCUS® Release 7709M to Release 9.0.1, an ETL agent stops functioning. (02194528)
SRVDM-851	In ibi™ Data Migrator, CSV output files that have spaces or other characters, such as a slash, in a column heading, show as invalid in the target synonym field name. (02192210)
SRVDM-840	In ibi™ Data Migrator, JSON files import values set to periods (.) to null. (02185896)
SRVDM-811	The function FPRINT does not accept AnV format for the An field. (02170093)

Key	Summary
SRVDM-792	When testing the <code>&amp;&amp;CM__REQUEST</code> in a DBMS SQL Flow, it generates an error message. (02165800)
SRVFOC-1492	The CSV file output by <code>FORMAT COMT</code> has no double quotes at the end of the title. This happens when the total length of the title is 4096 bytes. (02213083)
SRVFOC-1485	Incorrect output is obtained when you define a field with the data type as alphanumeric (A1V) . However, when you define it with the varchar (A1) data type, the expected result is obtained. (02213231)
SRVFOC-1450	ibi™ FOCUS® crashes when an ACROSS phrase and a COMPUTED field references TABPAGENO. (02210248)
SRVFOC-1432	The xFocus file processing fails when the file size exceeds 32GB. (02201006)
SRVFOC-1396	When you use the <code>DT_CURRENT_DATETIME</code> function to compare against a DATE field (YYMD), different versions of the product generate different outputs.
SRVFOC-1395	When you use the <code>ON TABLE ROW-TOTAL</code> function in the .fex file with the output format set as .xlsx, it might cause Excel output corruption or an agent crash error. (02178956)
SRVFOC-1364	When you run a code that has the <code>HEXBYT</code> function, the results are different between SJIS(942) and Unicode(65001). (02182643)
SRVFOC-1351	<p>After examining the FTOA function difference between versions 8105 and 911, it has been observed that over 350 .fex files use the FTOA function, some of which are null. Furthermore, there are approximately 200 standard .fex files where the FTOA function is used on both calculated fields and database columns, some of which might potentially be null.</p> <p>In addition, upon reviewing column S (Grant Date FV) from rows 30969 to 30973, certain values that displayed as 0.00 in version 8.1 are now blank in version 9.1. (02189381)</p>
SRVFOC-1330	When you use the <code>REBUILD REORG DUMP</code> command with selection criteria to maintain the ibi™ FOCUS® file history, the resulting file can be used to load



Key	Summary
	through the REBUILD REORG process. However, if you attempt to recreate the ibi™ FOCUS® database using these files in version 9.1, an error message is displayed. (02184402)
SRVFOC-1317	Creating a ibi™ FOCUS® file with an Index and a field name starting with ONLINE, causes an error. (02182252)
SRVFOC-1298	When upgrading from Release 8207.28 to Release 9.0.4, a JOIN name of J0 with a truncated segment name issues a field name not recognized error message. (02171975)
SRVFOC-1277	In ibi™ WebFOCUS® Release 9.0.4, a truncated segment name is not recognized when the file name is not provided. (02171975 02170135 02180814)
SRVFOC-1247	In ibi™ FOCUS® report subfoots, the TOT prefix displays zero instead of MISSING when no data is available for calculating the total. (02166432)
SRVFOC-1239	When writing Japanese date-time literals without any delimiters between the different components, the literals fail to parse. (02164025)
SRVFOC-1236	When trying to JOIN two HOLD files, irrelevant data is displayed in the abbreviated paths. (02159228)
SRVFOC-1233	When querying the .foc file, the ibi™ WebFOCUS® Reporting Server agent crashes because of the COMPUTED field. (02071542)
SRVFOC-1193	When trying to run a procedure code using USE and MODIFY commands in the server console, an error occurs in version 9.1.0. (02155590)
SRVFOC-1181	Performing a left join on two tables through a database procedure fails because of missing values in the tables. (02148999)
SRVRM-254	After you upgrade to Release 9.2.2, the Resource Manager fails to upgrade. (02220312 02218730 02219101 02219989 02222572 02220088)
SRVRM-252	When large reports are generated by using ibi™ WebFOCUS® Hub, active

Key	Summary
	HTML reports get corrupted. (02208078 02190393 02202902)
SRVRM-238	In Resource Analyzer, drill-down links in Excel reports are not correct. (02159753 02202902)
SRVWKSPC-3593	When changing the format of a DATE column within -REMOTE BEGIN/END processing for a FOCUS file, a format conversion error is generated on a remote server. (02231451)
SRVWKSPC-3591	When foccache_maxage is reached, foccache folder is not deleted. (02220601 02235537)
SRVWKSPC-3577	ibi™ WebFOCUS® Reporting Server does not apply the correct group or roles when AD/LDAP is configured as the primary provider. (02228031)
SRVWKSPC-3574	When running ERROROUT ON and TRACEON=SQLAGGR commands, the General server error is generated. (02226598)
SRVWKSPC-3563	After upgrading to ibi™ WebFOCUS® Release 9.2.1 from Release 8206, the ECHO command does not display the code execution when the privilege is set to only <b>PRRUN</b> . (02225280)
SRVWKSPC-3529	When using double-byte characters in the Master File name and performing the join operation, after you select the second master file, fields from the second master file are not listed. (02157322)
SRVWKSPC-3493	A procedure that is used to index the content of an application generates an error in a GOTO statement. (02204766)
SRVWKSPC-3487	IMS Listener crashes on Mainframe PDS when IMS is recycled. (02218731)
SRVWKSPC-3448	In ibi™ WebFOCUS® Reporting Server, when uploading an Excel file by using the <b>Upload Raw Data</b> option, a warning message is generated and the upload fails. (02212537)
SRVWKSPC-	In 9.2.1 version of ibi™ WebFOCUS®, when running an APP COPYF command

Key	Summary
3418	in ibi™ WebFOCUS® Client with SOLR enabled and APP SET METALLOCATION_SAME setting OFF, error messages are generated in the edaprint.log file. (02209845)
SRVWKSPC-3411	When executing a procedure with 0 output lines in an HTMTABLE request, the htm file with the same name under apps is deleted. (02203901)
SRVWKSPC-3401	When the APP MAP to a homeapps/ <i>userid</i> is located in a user profile, homeapps are repeatedly displayed for every Application Directory.
SRVWKSPC-3385	After upgrading to Release 9.2.1, the ibi™ WebFOCUS® Reporting Server agents stop responding on solrflds when the connection limit is reached. (02207947)
SRVWKSPC-3346	For Release 9.0.0 and later, you must use homeapps or myhome directory with APP MAP and APP PREPENDPATH statements defined in user profile.
SRVWKSPC-3343	In ibi™ WebFOCUS® Reporting Server, the changes made to the <b>Choose Columns</b> setting are not saved. (02199984)
SRVWKSPC-3305	When running a Deferred Report, if you set dfm_maxoutput = 1024 on the SCHEDULER listener and run a report that exceeds this limit, the status of the report remains running.(02188542)
SRVWKSPC-3301	In ibi™ WebFOCUS®, if there are large number of user groups in the admin.cfg file, the performance may be affected when running reports or portals. (02168424)
SRVWKSPC-3296	EDAPTH crashes due to EX CMASAP usage. (02206197)
SRVWKSPC-3260	When running ibi™ WebFOCUS® Reporting Server on z/OS, the EDAPRINT summary contains unknown error messages. (02193040)
SRVWKSPC-3256	In ibi™ WebFOCUS® Reporting Server, an invalid or offline DSML causes delays in opening a flow or creating a new flow. (02193728)

Key	Summary
SRVWKSPC-3205	On the Windows operating system with a 9.2.0 ibi™ WebFOCUS® Reporting Server installed, attempting to install an alternate configuration to share the same EDAHOME directory, the 9.2.0 installer does not recognize that the 9.2.0 version of ibi™ WebFOCUS® Reporting Server is already installed. (02187296)
SRVWKSPC-3176	When generating reports, ibi™ WebFOCUS® Reporting Server agent crashes. (02182020)
SRVWKSPC-3122	When using the <b>Application Mapping to Disk</b> option in the ibi™ WebFOCUS® Reporting Server browser interface to map a folder that contains DBCS characters, an invalid mapping 'location' (SJIS) message is generated. (02180716)
SRVWKSPC-3121	In ibi™ WebFOCUS® Release 9.1.1, ibi™ WebFOCUS® Reporting Server access control templates do not work with a Unicode server. (02175546)
SRVWKSPC-3109	TCP/HTTP listener memory corruption occurs when repeatedly clicking the <b>Refresh</b> button on the <b>Deferred Status</b> dialog box, causing the listener to crash. (02167983)
SRVWKSPC-3108	When a large number of files are saved in the dfm_dir directory, a delay in response increases. (02173572)
SRVWKSPC-3090	For Python 3.9, the Adapter for Python generates an error when used in the RedHat 9 Operating System. (02193368)
SRVWKSPC-3082	The CHAR_LENGTH function returns the length of a string in bytes on the SJIS code page. (02170812)
SRVWKSPC-3063	In ibi™ WebFOCUS® Designer, a request cannot be reopened if the request uses data stored in a FOCCACHE file. (02187595)
SRVWKSPC-3062	When testing a connection to the Adapter for Amazon AWS S3, an error message is generated. (02167785 02161803)
SRVWKSPC-2978	In the ibi™ WebFOCUS® Reporting Server browser interface, selecting <b>Release Notes</b> option in the Online Server Help displays PDFs that are older

Key	Summary
	than the installed version of ibi™ WebFOCUS® and the list of the Supported Adapters and Supported operating systems is not displayed. (02159862)
SRVWKSPC-2879	Creating a new Application Directory by using 'Application Mapping to Disk' (APPMAPP) renders multiple double quotes in EDASPROF.PRF. (02156473)
SRVWKSPC-2015	On z/OS, the EDAPRINT summary contains unknown error messages, and the connection between the server and the mainframe becomes inoperable. (02056098 02194880)
SRVWKSPC-841	ibi™ WebFOCUS® Reporting Server agents crash when running a Portal with the traces option on. (02029280)
VIZ-993	In a Pareto chart, incorrect values are displayed in tooltips and data labels. (02224743)
VIZ-974	You are not able to manually set width and height on Visualizations. (02219982)
VIZ-954	Some charts that use the Gantt chart extension, generate errors or are displayed incorrectly. (02201802)
VIZ-946	Different Data label formats are displayed when you run a report in ibi™ WebFOCUS® ReportCaster and schedule it by mail. (02182353)
VIZ-932	ibi™ WebFOCUS® charts that are enabled with the automatic refresh feature, eventually run into performance issues and crash after a long time. (02193147)
VIZ-914	Stacked total labels are missing or displayed incorrectly for some stacked bar charts. (02162582 02214280)
VIZ-912	In ibi™ WebFOCUS®, when a multilayer map is displayed on a mobile device or an emulator, tooltips are not displayed when you tap on a marker or polygon. (02178604)

Key	Summary
VIZ-900	When you create a combination bar, line, or area chart, drill-downs on a riser are unavailable when you point to certain areas of the chart. (02176829)
VIZ-885	Gauge charts created in ibi™ WebFOCUS® InfoAssist include extra segments that are not specified in the procedure. (02166144)
VIZ-839	Dygraph extension charts do not load properly when there is missing or null data in the date field. (02148628)
VIZ-835	The <code>missingDataMode</code> property with time-axis or log scale line charts throws an error. (02145158)
VIZ-831	When you run a bar chart on an iPad, there is a possibility that long data labels overlap. (02142396)
VIZ-713	In a pie chart, the M(million) symbol is not visible with value. (02064548)
VIZ-200	In a DataGrid chart, the conditional styling does not work. (02029073 02030790 02225220)

# Deprecated Features

The following features have been deprecated and might be removed in a future release.



**Tip:** For deprecated features, if relevant, useful alternatives are listed.



**Important:** Any use of a deprecated feature should be discontinued because it might be removed in a future release. To avoid becoming dependent on deprecated features, ensure that you become familiar with the suggested alternative features.

Key	Summary	Deprecated in
IA-12168	In ibi™ WebFOCUS® Quick Data, <b>Edit Query</b> and <b>Edit connection</b> options are disabled in Excel Addins.	9.3.0
RC-2476	In SMTP, Microsoft basic authentication has been removed and replaced by OAuth.	9.3.0
SRVMED-1636	Support for USS/zFS installation from the ISPF panels has been deprecated.	9.3.0

# Removed Features

## Removed Features

The following features have been removed since the last major release of ibi™ WebFOCUS®.

Key	Summary	Removed in Version
RC-4104	The FLEX - Active report format (*.swf) is no longer supported in ibi™ WebFOCUS® ReportCaster.	9.3.4
RC-4077	The PDF Analytic Document (APDF) format is no longer supported in ibi™ WebFOCUS® ReportCaster.	9.3.4
SRVWKSPC-3832	<p>The following options are no longer available during ibi™ WebFOCUS® Server installation.</p> <ul style="list-style-type: none"> <li>• To perform USS installation from the ISPF panel.</li> <li>• To perform refresh installation of the WebFOCUS Server.</li> </ul>	9.3.2

## Removed Adapters

The following adapters have been removed since the last major release of ibi™ WebFOCUS®. Additionally, these adapters and all their references are removed from the *ibi™ WebFOCUS® Adapter Administration* guide.

Adapter	Removed in Version
Python®	9.3.4
<ul style="list-style-type: none"> <li>• Interplex DMS 1100</li> <li>• Oracle E-Business Suite (Oracle Applications)</li> </ul>	9.3.0



Adapter	Removed in Version
<ul style="list-style-type: none"> <li>• Oracle TimesTen</li> <li>• Siebel®</li> <li>• SnappyData®</li> </ul>	

## Removed Products

The following products have been removed since the last major release of ibi™ WebFOCUS®.

Product	Removed in Version
ibi™ WebFOCUS® Integrated Installer has been removed. The installation of all WebFOCUS components remains available through each individual component.	9.3.7

## Removed Documentation

The following documentation has been discontinued, and all references from other documents have been removed:

Document Title	Removed in Version
ibi™ WebFOCUS® Installer Integrated Installation	9.3.7
<ul style="list-style-type: none"> <li>• ibi™ WebFOCUS® Managed Reporting guide</li> <li>• ibi™ WebFOCUS® App Studio for the Developer Studio User guide</li> </ul>	9.3.6

# Known Issues

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The following issues exist in this release of ibi™ WebFOCUS®.

Key	Summary and Workaround
IBIINST-3414	<p><b>Summary:</b> Upgrading ibi™ WebFOCUS® and ibi™ WebFOCUS® Installer fails on Windows 11 if the Windows Management Instrumentation Command-line (WMIC) utility is disabled.</p> <p><b>Workaround:</b> Enable or install WMIC, and then upgrade the product. For detailed procedures, see <a href="#">Migration and Compatibility</a>.</p>
DATASC-1872	<p><b>Summary:</b> When the NLQ Service starts, the phi-4 model is not loaded. Multiple concurrent requests, sent to the service before the model is loaded, can create a race condition that prevents proper loading of the model.</p> <p><b>Workaround:</b> Use NLQ to issue a single request immediately after the service starts.</p>
DATASC-1867	<p><b>Summary:</b> When viewing deferred Insights generated in an earlier version after upgrading to version 9.3.7, an error might occur or the Insights might be uneditable.</p> <p><b>Workaround:</b> Regenerate the Insights from the status UI, or click <b>try again</b> if available.</p>
DATASC-1134	<p><b>Summary:</b> When machine learning (ML) functions complete training a time series model on Windows or Linux systems, the temporary directories used for the training zip files are not automatically deleted.</p> <p><b>Workaround:</b> None.</p>

# Release Information

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The following topics provide relevant information for ibi™ WebFOCUS®.

- [Browser Information](#)
- [ibi WebFOCUS Accessibility Compliance](#)
- [ibi WebFOCUS Client Supported Operating Systems](#)
- [ibi WebFOCUS Support Statement for Java Platform, Standard Edition \(Java SE\)](#)
- [Supported Web and App Servers](#)
- [ibi WebFOCUS Client Repository Supported RDBMS and Drivers](#)
- [Localization \(NLV\) and NLS Support](#)
- [ibi WebFOCUS Reporting and Microsoft Office Support](#)

## Browser Information

This topic describes information for the available web browsers for this release of ibi™ WebFOCUS®.

- We evaluate the browser vendor support policies and certifies new browser versions on an ongoing basis, as new versions are made available.
- We recommend following the usage requirements of the browser vendor to ensure your browser is secure and supports the web standards that power current web-based capabilities.

## Supported Web Browsers

<b>ibi™ WebFOCUS® Release</b>	<b>Google Chrome™ Version</b>	<b>Firefox® Version</b>	<b>Microsoft® Edge® Version (WebFOCUS® only)</b>
9.3.7	145	148	145
9.3.6	141	144	141
9.3.5	138	140	138
9.3.4	135	137	135
9.3.3	131	134	131
9.3.2	130	132	130
9.3.1	126	127	126
9.3.0	122	123	122

- See the following information published by Mozilla® for information on Firefox® browser release management: [https://wiki.mozilla.org/Release\\_Management/ESR\\_Landing\\_Process](https://wiki.mozilla.org/Release_Management/ESR_Landing_Process)
- Simple HTML reports created with ibi™ WebFOCUS® can be viewed on any browser.
- Drill-down links do not work when using an embedded PDF viewer available in some browser versions. Refer to the browser's configuration information on how to change the Application Options settings for the relevant content types so that the browser will automatically use Adobe® Reader®.
- Acrobat® Reader® DC is certified, and Adobe® XI and Adobe® X are supported.
- Support for presenting images and graphs in HTML, DHTML, and DHTML compound reports is provided using an image embedding facility based on the client browser. Output generated by Microsoft® Internet Explorer® browsers or in scenarios where the browser is unknown (such as when distributed by ibi™ WebFOCUS® ReportCaster) supports image inclusion through the creation of a web archive file (.mht). For all other browsers, images are base64 encoded within the generated .htm file.

- Because certain browsers impose their own character limits on text in a tooltip, longer tooltips may be truncated. For example, in Google Chrome™ the limit is 1024.

## Supported Mobile Browsers

OS and Browser	ibi™ WebFOCUS® Release	ibi™ WebFOCUS® Mobile App Version
iOS Safari	9.1.0 and later	4.0.4
iOS Chrome	9.1.0 and later	4.0.4
Android Chrome	9.1.0 and later	4.0.4

## ibi WebFOCUS Accessibility Compliance

ibi™ is committed to providing high-quality products and services that are both useful and accessible to all users, including individuals with disabilities.

## Measures to Support Accessibility

ibi™ takes the following measures to ensure accessibility of ibi™ WebFOCUS®.

Our agile process incorporates accessibility evaluation for the [WCAG 2.1](#) Level AA, [Revised Section 508](#), and [European Standard EN 301 549](#) standard/guidelines in all phases of design, development, and testing. Coding is compliant to W3C standards for HTML, CSS, WAI-ARIA, and JavaScript.

ibi™ intends to help organizations meet these objectives by providing software tools that are capable of producing applications that function within the accessibility standard/guidelines. The actual compliance of any given application will be dependent upon the proper use of ibi™ tools as well as the accessibility compliance of the other hardware and software components with which our software interoperates.

For Services, ibi™ takes a collaborative approach with the client in addressing the accessibility requirements of a given services engagement. ibi™ looks to the client to specify the accessibility requirements in the applicable statement of work that will meet the required accessibility standard/guidelines. ibi™ demonstrates its COTS product

accessibility functionality specific to the client requirements and obtains client's approval prior to proceeding with development using the demonstrated functionality.

## Conformance Status

ibi™ WebFOCUS® is partially conformant for the following accessibility standard/guidelines. Partially conformant means that some parts of the content do not fully conform to the accessibility standard. For details, see the following information:

- [Accessible Functional Scope](#)
- [Limitations](#)
- [Accessibility Conformance Report \(Based on VPAT®\)](#)

Standard/Guideline	Included in Report
<a href="#">Web Content Accessibility Guidelines 2.0</a>	Level A Level AA Level AAA
<a href="#">Web Content Accessibility Guidelines 2.1</a>	Level A Level AA Level AAA
<a href="#">Web Content Accessibility Guidelines 2.2</a>	Level A Level AA Level AAA
<a href="#">Revised Section 508 standards published 01/18/2017 and corrected 01/22/2018</a>	Yes
<a href="#">EN 301 549 Accessibility requirements suitable for publish procurement of ICT products and services in Europe - V3.1.1. (2019-11) and EN 301 549 Accessibility requirements for ICT products and services - V3.2.1 (2021-03)</a>	Yes

# Accessible Functional Scope

ibi™ WebFOCUS® Release 8207.26 and later gives authors the tools and guidance to create and publish an accessible ibi™ WebFOCUS® two-level top navigation V5 Portal with Designer pages and ibi™ WebFOCUS® generated accessible reports to allow end users to perform their own ad hoc query and reporting activities. Accessible functionality does not include content authoring (development) and administrative interfaces.

The ibi™ WebFOCUS® accessible report formats include the following:

- In-document Analytics (Active Technologies) - AHTML
- Excel - XLSX
- PDF - See the "ibi™ WebFOCUS® PDF Report Accessibility Support" topic in the [Creating Reports with ibi™ WebFOCUS® Language](#) Guide.
- PowerPoint - PPTX
- HTML - ibi™ WebFOCUS® HTML Report Accessibility Support

WebFOCUS Designer (V5) Portal with two-level top navigation:

- Designer Pages
- WebFOCUS Hub Home, Workspaces, Application Directories areas
- WebFOCUS Accessible Report Formats
  - In-document Analytics - AHTML
  - Excel - XLSX
  - PDF - See the ibi™ WebFOCUS® PDF Report Accessibility Support" topic in the [Creating Reports with ibi™ WebFOCUS® Language](#) Guide.
  - PowerPoint - PPTX
  - HTML
  - HTML5 chart types: Bar, Line, Area, Pie, Scatter, Bubble

ibi™ WebFOCUS® accessible reports may also be distributed or run from a web page or application. The accessibility compliance of the web page or application is the author's responsibility.

## Compatibility with Browsers and Assistive Technology

Testing was conducted using a variety of operating systems, browsers, automated testing tools, and screen readers including Windows® 11 operating system with the Google Chrome™ browser and NVDA screen readers.

Google Chrome™, Firefox®, and Microsoft® Edge® browsers are supported to varying degrees dependent upon user's customizations and integration with assistive technology and other third-party extensions. For the list of supported browsers, see [Browser Information](#).

## Technical Specifications

Accessibility of ibi™ WebFOCUS® relies on the following technologies to work with the particular combination of web browser and any assistive technologies or plug-ins installed on your computer:

- HTML
- WAI-ARIA
- CSS
- JavaScript

These technologies are relied upon for conformance with the accessibility standards used.

## Limitations

Despite our best efforts to ensure accessibility of ibi™ WebFOCUS® accessible features, there may be some limitations. Please contact Customer Support Services if you observe an issue using accessible features, see [Accessible Functional Scope](#), or to request accessibility compliance for additional functionality.

Known limitations:

- **Accessible functionality** scope is as stated in [Conformance Status](#).
- **Non-text Content: Text Alternatives:** ibi™ WebFOCUS® provides a way for content authors to include text alternatives and that content will be read by a screen reader; however, it is up to content authors to provide descriptive alternative text.
- **Sensory Characteristics:** Visualizations/Charts: It is up to content authors to follow accessibility best practices.



- **Reflow:** Data tables behave as tables and do not reflow.
- **Headings and Labels:** ibi™ WebFOCUS® provides a way for content authors to include proper headings & labels and that content will be read by a screen reader; however, it is up to content authors to maintain accessibility by implementing best practices.
- **Language of Parts:** Language is applied to the document at the meta level.
- **Functional Performance Criteria (With Limited Language, Cognitive, and Learning Abilities):** Data tables in ibi™ WebFOCUS® complex and offer extended functionality. It is the responsibility of the content authors to identify the functional requirements for the user audience and apply those considerations when creating ibi™ WebFOCUS® report procedures.
- **General (informative) List of available action:** In V5 Portal, WebFOCUS Hub, Designer Pages, and In-document Analytics (AHTML), available actions are accessed by entering CTRL+SHIFT+F10.

## ibi WebFOCUS Client Supported Operating Systems

The following table describes the supported operating systems supported in ibi™ WebFOCUS® client.

For an up-to-date list of supported operating systems, see the product [Readme file](#).

Vendor (Processor/ Architecture)	Operating System Version
Microsoft® Windows® 64-bit	Windows® Server 2025
	You must have Java® 11 installed on the machine. For more information, see the Installation content for your product.
	Windows® Server 2022, 2019, 2016
	Windows® 11, 10

Vendor (Processor/ Architecture)	Operating System Version
	(limited to development environments only)
IBM® i5/OS	V7R3, V7R4
IBM® (pSeries 64)	AIX 7.2 and AIX 7.1
IBM® (zSeries)	Enterprise Linux® Kernel-3.0.101-glibc-2.11 and up
Oracle® (Sparc 64-bit)	Oracle® Solaris 11
Oracle® (x86 64-bit)	Oracle® Solaris 11
Red Hat® (x86_64)	Red Hat Enterprise Linux 9.1: 5.14.0-162.6.1.el9_1.x86_64 or later - glibc-2.34-40.el9_1.1.i686
	Red Hat Enterprise Linux 8.6: 4.18.0-305.el8.x86_64 or later - glibc-2.28-189.5.el8_6.i686
	Red Hat Enterprise Linux 7: 3.10.0-123.el7.x86_64 or later - glibc-2.17-36.el7.i686
Red Hat® (IBM Power Systems)	Red Hat Enterprise Linux 7: 3.10.0-123.el7.x86_64 or later - glibc-2.17-36.el7.i686
Hewlett Packard® (Itanium IA64)	HP-UX 11i v3(B11.31)
Ubuntu Server (X86_64 bit)	Ubuntu Server 22.x 64-bit

# ibi WebFOCUS Support Statement for Java Platform, Standard Edition (Java SE)

This topic contains information regarding ibi™ WebFOCUS® release support for the different Java® SE versions that ibi™ WebFOCUS® and ibi™ WebFOCUS® ReportCaster web applications are deployed on. It is also important to verify the Java® version requirements of the web application server version before installing or upgrading Java® software.

**Note:**

- Maintenance updates of Java® SE within the same version level are supported.
- Using earlier versions of ibi™ WebFOCUS® with later JDK versions is supported. However, the solution to some problems might require an upgrade to a later ibi™ WebFOCUS® or JDK service pack.
- Support for later Java® SE major releases requires certification and is not supported unless specified in the following chart.
- When reference is made to certified, it means that the specified release(s) of Java® have been tested within the specified Release QA (Quality Assurance) certification process.

Please report any problems you experience with a certified or supported version of Java® to Customer Support Services for evaluation.

As of ibi™ WebFOCUS® Release 9.3.0, the minimum JVM version requirement for the application server that ibi™ WebFOCUS® and ibi™ WebFOCUS® ReportCaster web applications are deployed on is JVM Version 11.

**Java SE Release Certification Status.** Java 11 distributions by Oracle® and OpenJDK are certified with this release.

## Supported Web and App Servers

For an up-to-date list of supported servers, see the product [Readme file](#).

Vendor Web Server & Application Server	Version
Apache Software Foundation (Apache Tomcat®)	9.0.x
Apache Software Foundation (Apache HTTP®)	2.4
	2.2
Microsoft® (IIS)	10 and later
Oracle® WebLogic	14c (14.1.1.0.0)

## ibi WebFOCUS Client Repository Supported RDBMS and Drivers

For an up-to-date list of supported databases, see the product [Readme file](#).

Vendor (RDBMS)	Version	JDBC Driver
Apache Software Foundation (Apache Derby®)	10.9.1.0	derbyclient.jar
	10.15.2.0	derbytools.jar
Microsoft Azure SQL	v12	mssql-jdbc-13.2.1.jre11.jar
Microsoft® (MS SQL Server®)	2025	mssql-jdbc-13.2.1.jre11.jar
Microsoft® (MS SQL Server®)	2022	<b>Microsoft JDBC Driver 12.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>mssql-jdbc-12.2.0.jre8.jar</li> <li>mssql-jdbc-12.2.0.jre11.jar</li> </ul>
	2022	<b>Microsoft JDBC Driver 11.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>mssql-jdbc-11.2.0.jre8.jar</li> <li>mssql-jdbc-11.2.0.jre11.jar</li> </ul>

Vendor (RDBMS)	Version	JDBC Driver
		<ul style="list-style-type: none"> <li>• mssql-jdbc-11.2.0.jre17.jar</li> <li>• mssql-jdbc-11.2.0.jre18.jar</li> </ul>
		<b>Microsoft JDBC Driver 10.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-10.2.0.jre8.jar</li> <li>• mssql-jdbc-10.2.0.jre11.jar</li> <li>• mssql-jdbc-10.2.0.jre17.jar</li> </ul>
		<b>Microsoft JDBC Driver 9.4 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-9.4.1.jre8.jar</li> <li>• mssql-jdbc-9.4.1.jre11.jar</li> <li>• mssql-jdbc-9.4.1.jre16.jar</li> </ul>
		<b>Microsoft JDBC Driver 9.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-9.2.1.jre8.jar</li> <li>• mssql-jdbc-9.2.1.jre11.jar</li> <li>• mssql-jdbc-9.2.1.jre15.jar</li> </ul>
		<b>Microsoft JDBC Driver 10.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-10.2.0.jre8.jar</li> <li>• mssql-jdbc-10.2.0.jre11.jar</li> <li>• mssql-jdbc-10.2.0.jre17.jar</li> </ul>
		<b>Microsoft JDBC Driver 9.4 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-9.4.1.jre8.jar</li> <li>• mssql-jdbc-9.4.1.jre11.jar</li> <li>• mssql-jdbc-9.4.1.jre16.jar</li> </ul>
		<b>Microsoft JDBC Driver 9.2 for SQL Server</b>
		<ul style="list-style-type: none"> <li>• mssql-jdbc-9.2.1.jre8.jar</li> <li>• mssql-jdbc-9.2.1.jre11.jar</li> </ul>

Vendor (RDBMS)	Version	JDBC Driver
		<ul style="list-style-type: none"> <li>mssql-jdbc-9.2.1.jre15.jar</li> </ul>
Microsoft® (MS SQL Server®)	2019	<b>Microsoft JDBC Driver 8.4 for SQL Server</b> <ul style="list-style-type: none"> <li>mssql-jdbc-8.4.1.jre14.jar</li> <li>mssql-jdbc-8.4.1.jre11.jar</li> <li>mssql-jdbc-8.4.1.jre8.jar</li> </ul> <b>Microsoft JDBC Drive 8.2 for SQL Server</b> <ul style="list-style-type: none"> <li>mssql-jdbc-8.2.2.jre13.jar</li> <li>mssql-jdbc-8.2.2.jre11.jar</li> <li>mssql-jdbc-8.2.2.jre8.jar</li> </ul> <b>Microsoft JDBC Drive 7.4 for SQL Server</b> <ul style="list-style-type: none"> <li>mssql-jdbc-7.4.1.jre12.jar</li> <li>mssql-jdbc-7.4.1.jre11.jar</li> <li>mssql-jdbc-7.4.1.jre8.jar</li> </ul>
Microsoft® (MS SQL Server®)	2017	mssql-jdbc-6.2.2.jre8.jar Download available from <a href="https://www.microsoft.com/en-us/download/details.aspx?id=55539">https://www.microsoft.com/en-us/download/details.aspx?id=55539</a>
Microsoft® (MS SQL Server®)	2016	<ul style="list-style-type: none"> <li>mssql-jdbc-6.2.2.jre8.jar</li> </ul>
	2014	Download available from <a href="https://www.microsoft.com/en-us/download/details.aspx?id=55539">https://www.microsoft.com/en-us/download/details.aspx?id=55539</a>
	2012	
	2008	<ul style="list-style-type: none"> <li>sqljdbc42.jar</li> </ul> Download available from <a href="https://www.microsoft.com/en-us/download/details.aspx?id=54671">https://www.microsoft.com/en-us/download/details.aspx?id=54671</a>
IBM® (Db2)	11.5	db2jcc4.jar

Vendor (RDBMS)	Version	JDBC Driver
Oracle® (Database)	10.5	
	9.7 FP4	
	23ai	ojdbc11.jar
	21c	ojdbc11.jar
	19c	ojdbc8.jar
	18c	
	12c Release 2	
	12c Release 1	ojdbc7.jar
	11g Release 2	ojdbc6.jar
Oracle (MySQL)	8.0.x	mysql-connector-java-8.0.29.jar
Postgresql	16.1	• postgresql-42.7.0.jar
	15.2	• postgresql-42.5.0.jar
	13.6	

## Localization (NLV) and NLS Support

ibi™ provides National Language Support and Localized Version support for ibi™ WebFOCUS® and App Studio in select languages. Requests for additional languages may be submitted by contacting Customer Support Services and opening a New Feature Request.

## National Language Support (NLS)

National Language Support (NLS) involves reading and interpreting data stored in code pages that represent the character sets of various international languages. The ibi™ proprietary NLS application programming interface (API) code-page architecture transcodes data between application client and server components and manages all sorting, case conversion, and formatting for dates, currency, and numbers.

## Localized Version Support (NLV)

A localized version is a software product in which the user interface (for example, menus and utilities) appears in a particular language. ibi™ localized versions are positional. Each button or menu choice is always in the same relative position in the product, and only the text of the labels changes. Therefore, it is easy for anyone who is familiar with an ibi™ product in one language to support that product in another language.

Localized versions have complete National Language Support (NLS) capability. You can access data for any supported language, with all national characters processed, displayed, and printed correctly.

## ibi WebFOCUS and ibi WebFOCUS Reporting Server

The ibi™ WebFOCUS® and ibi™ WebFOCUS® Reporting Server releases support the following code pages for data processing:

### ASCII Platforms

137 - U.S. English/Western Europe (Latin 1)	923 - Latin 9 (ISO 8859-15)
437 - U.S. English	942 - Japanese (shift-JIS)
813 - Greek (ISO 8859-7)	946 - Simplified Chinese
850 - Western Europe	949 - Korean



852 - Central Europe	1089 - Arabic (ISO 8859-6)
857 - Turkish	1250 - Central Europe (Latin 2)
860 - Portuguese	1251 - Cyrillic (Windows)
862 - Hebrew	1252 - Windows (Latin 1)
863 - French Canadian	1253 - Greek (Windows)
865 - Nordic	1254 - Turkish (Windows)
866 - Cyrillic II	1255 - Hebrew (Windows)
869 - Greek	1256 - Arabic (windows)
912 - Central Europe (ISO 8859-2)	1257 - Baltic (Windows)
915 - Cyrillic (ISO 8859-5)	10942 - Japanese (EUC)
916 - Hebrew (ISO 8859-8)	10948 - Traditional Chinese
920 - Turkish (ISO 8859-9)	65001 - Unicode (UTF-8)
921 - Baltic (ISO 8859-13)	

## EBCDIC Platforms (IBM z/OS and IBM i)

37 - IBM EBCDIC United States	500 - IBM EBCDIC International European
273 - IBM EBCDIC Germany F.R./Austria	870 - IBM EBCDIC Multilingual (Latin 2, Eastern Europe)
277 - IBM EBCDIC Denmark, Norway	871 - IBM EBCDIC Iceland
278 - IBM EBCDIC Finland, Sweden	875 - IBM EBCDIC Greece

280 - IBM EBCDIC Italy	1025 - IBM EBCDIC Cyrillic, Multilingual
284 - IBM EBCDIC Spain/Latin America	1026 - IBM EBCDIC Turkish
285 - IBM EBCDIC United Kingdom	1047 - IBM EBCDIC Open Systems (Latin 1)
297 - IBM EBCDIC France	1112 - IBM EBCDIC Baltic Multilanguage
424 - IBM EBCDIC Israel (Hebrew)	65002 - Unicode (UTF-EBCDIC)

## Language

The LANGUAGE parameter specifies the National Language Support (NLS) environment. It sets the language of server error messages and can also be used to set the language of report titles if the Master File contains alternate language TITLE attributes. For more information, see the *ibi™ WebFOCUS® Describing Data With ibi™ WebFOCUS® Language* technical content.

The ibi™ WebFOCUS® ibi™ WebFOCUS® Reporting Server Console, ibi™ Data Migrator, and the Data Management console support the following languages.

(\* Localized versions)

AMENGLISH	ENGLISH	JAPANESE*	S-CHINESE*
AUENGLISH*	ESTONIAN	KOREAN	SLOVAK
ARABIC	FINNISH	LATVIAN	SPANISH*
B-PORTUGUESE	FRENCH*	LITHUANIAN	SWEDISH
CAENGLISH*	GERMAN*	NORWEGIAN	T-CHINESE*
CROATIAN	GREEK	POLISH	THAI
CZECH	HEBREW	PORTUGUESE	TURKISH
DANISH	HUNGARIAN	ROMANIAN	UKENGLISH

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DUTCH

ITALIAN

RUSSIAN

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## ibi WebFOCUS Client and WebFOCUS® ReportCaster

The following localized versions are available for the ibi™ WebFOCUS® Client and ibi™ WebFOCUS® ReportCaster.

Translation and certification of the following languages is done by ibi™:

### GROUP 1 (Full Translation)

- English (Australian, Canadian, United Kingdom, and United States)
- French (Canadian and Standard)
- German
- Spanish
- Korean

### GROUP 2 (Partial Translation)

Limited areas have been translated and tested by ibi™ Agents and Partners. Strings that translation has not been provided for will display in English.

- Chinese (Simplified)
- Brazilian Portuguese
- Italian
- Japanese

### GROUP 3 (Evaluating)

Limited areas have been translated and tested by ibi™ Agents and Partners for demonstration purposes. Strings that translation has not been provided for will display in English. Contact Customer Support for instructions to enable.

# ibi WebFOCUS Reporting and Microsoft Office Support

This topic provides details on the support of ibi™ WebFOCUS® reporting formats that generate output in Microsoft® Office® products. It also provides usage considerations for hyperlinks that execute dynamic drill-down requests to procedures protected by ibi™ WebFOCUS® security.

## ibi WebFOCUS Reporting Formats and Microsoft Product Association

The following table shows the ibi™ WebFOCUS® formats that create Microsoft® Excel® and PowerPoint® reports, the Microsoft® Office® application associations, and the Windows operating system version availability.

ibi™ WebFOCUS® Formats	Microsoft Office Products	Windows Operating System
XLSX	Microsoft Office 365, Microsoft Office 2021, 2016, 2019	Windows 10
		Windows 8
	Microsoft Office 2016, 2013, 2010, 2007	Windows 7
	Microsoft Excel Viewer 2007	
PPTX	Microsoft Office 365, Microsoft Office 2021, 2016, 2019	Windows 10
		Windows 8
	Microsoft Office 2016, 2013, 2010, 2007	Windows 7
	Microsoft PowerPoint Viewer 2010	
EXL2K (Functionally stabilized)	Microsoft Office 2003, 2000	Windows XP
		Windows 2000
PPT	Microsoft Office 2003, 2000	Windows XP

<b>ibi™ WebFOCUS® Formats</b>	<b>Microsoft Office Products</b>	<b>Windows Operating System</b>
(Functionally stabilized)		Windows 2000

For additional information on Microsoft Office releases compatible with Windows operating systems, see [Get Windows 10 App](#), which has a customized compatibility report for each PC, and provides a unified compatibility view of a PC, its onboard devices, and applications.

## ibi WebFOCUS EXL2K and PPT Formats and Microsoft Office Suite Support

Due to file type and content security policy changes implemented by Microsoft, the ibi™ WebFOCUS® EXL2K and PPT formats are not supported with Microsoft Office 2013 and later. The ibi™ WebFOCUS® XLSX and PPTX formats fully support the Microsoft Excel® XLSX and Microsoft PowerPoint® PPTX file types and content security policies of Office 2013 and later.

## Microsoft Office 2003 Support

See [Get Windows 10](#), which has a customized compatibility report for each PC, and provides a unified compatibility view of a PC, its onboard devices, and applications. In ibi™ WebFOCUS® products, although you will still be able to start and work in Microsoft Office 2003 applications, Microsoft recommends that you upgrade to a later version of Office in order to continue to receive support and updates. If your organization uses Office 2003 with the Windows® XP operating system, see [Support for Windows XP ended](#) for information on the end of support for Microsoft Office 2003 and Windows XP SP3.

For information on opening, editing, and saving documents, workbooks, and presentations that were created in the later versions of Microsoft Excel and PowerPoint, see [Microsoft Office Compatibility Pack for Word, Excel, and PowerPoint File Formats](#).

## ibi WebFOCUS EXL2K and PPT Formats and Microsoft Office Viewer Products Support

Microsoft Excel Viewer and PowerPoint Viewer are read-only products. They permit only the display and printing of Microsoft Excel and PowerPoint data. The ibi™ WebFOCUS® EXL2K and PPT reports are not supported in any release of the Microsoft Excel Viewer and the Microsoft PowerPoint Viewer. The ibi™ WebFOCUS® XLSX and PPTX formatted reports are supported and can be viewed with the Microsoft Excel Viewer and Microsoft PowerPoint Viewer, respectively.

Microsoft has released statements that older releases of the Microsoft Excel and PowerPoint Viewer are no longer supported. For information on the supported versions of Microsoft Office Viewer products, see [Supported versions of the Office viewers](#). The Microsoft Office Viewer is available from the [Microsoft Download Center](#).

## Microsoft Office 365 Support

Microsoft Office 365™ offers the local installation of Microsoft Excel and PowerPoint 2013. It works with the Office 2010 release and provides limited functionality with Office 2007. Microsoft Office 365 also permits uploading Microsoft Excel and PowerPoint files to the cloud, where they can be accessed on most devices using Office Online. For information on the Microsoft Office 365 plans and features, see [Office 365 for business FAQ](#).

You can use Microsoft Office 365 to access ibi™ WebFOCUS® XLSX and PPTX reports. First, create the XLSX and PPTX reports locally as HOLD files, or display the reports on the screen using the PCHOLD command, and then save the reports to a local directory. The saved files can be uploaded and stored in OneDrive® for Business. Once uploaded to the cloud, the files can be accessed using Office Online.

For information on saving ibi™ WebFOCUS® reports, see the *Creating Reports with ibi™ WebFOCUS® Language* manual listed in [Recommended Reading](#).

For information on the differences in features available in Excel Online and PowerPoint Online, and in Microsoft Office 2013, see [Office Online Service Description](#).

For more information on working with Office Online and OneDrive for Business, see [Using Office Online in OneDrive](#).

## Usage Consideration When Using Hyperlinks to Run Reports

Selecting a hyperlink in a ibi™ WebFOCUS® report, to execute a drill-down request to run a procedure on a secured ibi™ WebFOCUS® web environment, requires the security context or any session-related cookies to be inherited. Microsoft Office products do not natively inherit the security context or any session-related cookies created by a web-based application.

The following options are available to configure your web environment so that hyperlinks in ibi™ WebFOCUS® reports will be functional within Microsoft Office products.

- Configure ibi™ WebFOCUS® authentication to allow anonymous access. For more information, see the *ibi™ WebFOCUS® Security and Administration* manual.
- Use SSO with IIS/Tomcat Integrated Windows Authentication. Renegotiation occurs automatically and the Excel and PowerPoint reports display correctly.
- As of ibi™ WebFOCUS® Release 8, the Remember Me feature can be enabled on the Sign-in page. If the end user uses the Remember Me feature, a persistent cookie is used. For more information on how Microsoft Office products handle session-related information, see [Error message when clicking hyperlink in Office: "Cannot locate the Internet server or proxy server"](#).

## ibi WebFOCUS DOC Format

The ibi™ WebFOCUS® standard for styled and printable documents is the Acrobat® PDF format. The ibi™ WebFOCUS® PDF format creates Acrobat PDF documents. The ibi™ WebFOCUS® DOC format produces a character-based file, not a Microsoft Word document.

## Recommended Reading

- *Saving Report Output in Excel XLSX Format* topic in the *ibi™ WebFOCUS® Creating Reports With ibi™ WebFOCUS® Language* manual, available from the [ibi™ WebFOCUS® Documentation](#) page.
- *Saving and Reusing Your Report Output* topic in the *ibi™ WebFOCUS® Creating Reports With ibi™ WebFOCUS® Language* manual, available from the [ibi™ WebFOCUS® Documentation](#) page.

# ibi Documentation and Support Services

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For information about this product, you can read the documentation, contact Support, and join Community.

## How to Access ibi Documentation

Documentation for ibi products is available on the [Product Documentation website](#), mainly in HTML and PDF formats.

The [Product Documentation website](#) is updated frequently and is more current than any other documentation included with the product.

## Product-Specific Documentation

The documentation for this product is available on the [ibi™ WebFOCUS® Documentation](#) page.

## How to Contact Support for ibi Products

You can contact the Support team in the following ways:

- To access the Support Knowledge Base and getting personalized content about products you are interested in, visit our [product Support website](#).
- To create a Support case, you must have a valid maintenance or support contract with a Cloud Software Group entity. You also need a username and password to log in to the [product Support website](#). If you do not have a username, you can request one by clicking **Register** on the website.
- To submit ideas, suggestions, or feedback for TIBCO products, visit our [product Support website](#).

## How to Join ibi Community

ibi Community is the official channel for ibi customers, partners, and employee subject matter experts to share and access their collective experience. ibi Community offers access to Q&A forums, product wikis, and best practices. It also offers access to extensions,



adapters, solution accelerators, and tools that extend and enable customers to gain full value from ibi products. For a free registration, go to [ibi Community](#).

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