

ibiTM WebFOCUS[®]

Release Notes

Version 9.3.4 | May 2025

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Version 9.3.4

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 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	

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.

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)
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	In ibi™ WebFOCUS® Designer, when the ENGINE INT SET OPT OFF command is passed in preview mode, the following error is generated. (2477358)

Key	Summary
	(FOC2560) RIGHT OR FULL OUTER JOIN REQUIRES JOIN TO BE PASSED TO RDBMS
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 Data tab, the Visualization 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

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 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	

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 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 Cancel 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 latitude and longitude 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 Create button and then select the Save Changes 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 All , the internal default value is set to null instead of _FOC_NULL , an FOC260 AN OPERATION IS MISSING AN ARGUMENT error is generated. (2470021)
IBIDF-4258	Enabling the Selection Controls 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 Search 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 942 (Shift-JIS) 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 All

Key	Summary
	Values 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

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 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	

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 optional and the second filter is selected as required , 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 Data 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 DEFINE/COMPUTE 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 OK 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 Parameter Prompting setting is set to Designer 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 DEFAULT 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 Browse Procedures 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 ReportCaster Status 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 No Expiration under the Other ReportLibrary Settings , 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 opFavorites 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

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 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	

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

Key	Summary
	styles cannot be created on a base field, which is used twice in a report. (02240293)
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 MS

Key	Summary
	Excel instead of CSV when the Override the Format Specified in the Procedure is set to COMT . (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

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 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	

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 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

Key	Summary
	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 Run the Insight option, an error 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 TITLE 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)

Key	Summary
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 Define field that has missing values. (02206596)
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

Key	Summary
	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)
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)

Key	Summary
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 Prompt for Credentials 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 IBIC_server , 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)
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)

Key	Summary
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.prf 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 Place application under Source Management 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)
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

Key	Summary
	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 fex 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

Key	Summary
	error occurs. (02164451)
CLRPT-3766	When you run the db_lb_update.bat 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 Commit & Push command from the WebFOCUS GIT 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 () character, do not work. (02215445)
IA-12295	In ibi™ WebFOCUS® InfoAssist, in some reports, the DEFINE fields are reordered in the procedure, resulting in errors. (02212179)
IA-12286	In ibi™ WebFOCUS® InfoAssist, when you open a report with multiple DEFINE 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 New Expression option, a field not found message is displayed when you create a DEFINE or COMPUTE . (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

Key	Summary
	both JOINS is black. (02176603)
IA-12222	In ibi™ WebFOCUS® InfoAssist, charts in a document might not have Interactive Options available although it is an applicable output format. (02171249)
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 New Expression 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 DEFINE 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 Test as a file existence option, dashes are removed from the fully qualified path. (02029017 02213510)

Key	Summary
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)
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)

Key	Summary
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. (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 Save File 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 Submit or Reset , 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)

Key	Summary
IBIAS-8611	In App Studio, when you try to create a .PDF file, the line break is removed when you switch between the Design tab and the Source 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 Paging/Search control on a double list, the Last and Reset All 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)
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)

Key	Summary
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 Create Report or Create InfoAssist Chart 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)
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 Send unformatted value 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)

Key	Summary
IBIAS-8532	On an HTML page, when the Send unformatted value option is not enabled on the Settings tab, then you can still submit a calendar control without a selected value. This happens when the Selection and Validation option is set to Required/no validate 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. (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 Request and Data Source and add an underscore (_) at the end of a variable name in a procedure. (02173297)

Key	Summary
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 Focus tab waits for the user to select a parameter. 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 drill anywhere feature does not work for charts created using a reporting object. (02225966)

Key	Summary
IBIDF-3907	When running a report with ibi™ WebFOCUS® Designer Autoprompt, an error is displayed when a DEFINE 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 Filter 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 _FOC_NULL_ , the Run in new window 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

Key	Summary
	get rearranged on 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 ON , 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 Designer . (02186470)
IBIDF-3716	In ibi™ WebFOCUS® Designer, Insights 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, IBIMR_domain and IBIMR_fullpath render incorrect values when the Default Autoprompt Template is set to Designer . (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)

Key	Summary
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 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 Explore Data 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)

Key	Summary
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)
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 Default Autoprompt Template is set to Responsive , 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)

Key	Summary
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)
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

Key	Summary
	external Maintain procedure in Release 9.1.0 or Release 9.2.0 causes an error or produces no output. (02181942 02184756)
MNTSRV-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, ReportCaster Max Connections (threads) setting is not honored. (02177998 02186241 02197537 02217163)
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)

Key	Summary
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 DEFINE 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)
SRVADPT-2879	The Adapter for Google BigQuery does not return the complete data from the table. (02202940)

Key	Summary
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 Show DBMS Objects 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 Merge into Existing 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

Key	Summary
	Server agent to stop responding. (02215693)
SRVADPT-2772	In ibi™ WebFOCUS® Client, when upgrading to Release 8207.28 from Release 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

Key	Summary
	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)
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)

Key	Summary
SRVADPT-2547	The HOLD file format of a DB2 TIMESTAMP column is now A29. (02186308 02186425)
SRVADPT-2543	When using the LAG 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 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 DEFINE 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)

Key	Summary
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 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)

Key	Summary
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 Check Expression 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)
SRVADPT-307	Added support for IIAS/Db2 Warehouse. (180502002 180926149 180321091)
SRVDA-2513	If the MASTER is within an APP MAP application, the Autodrive on a chart does not activate. (02224338)
SRVDA-2496	When uploading data by using Excel on the Get Data 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 Cancel

Key	Summary
	button is missing. (02229866)
SRVDA-2482	In the ibi™ WebFOCUS® Reporting Server Console, the Cancel button is not displayed for the Remote Server Settings dialog. (02187772)
SRVDA-2481	When setting the CODE_PAGE to 273-IBM EDCDIC Germany F.R./Austria, the java.lang.NullPointerException 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 Data tab, an error message is generated. (02223141)
SRVDA-2475	The Property 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 TYPE field on the DATA 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 Business View with ACCEPT on a field. (02221114)
SRVDA-2403	The DEFINE tab in the ibi™ WebFOCUS® Designer displays an unknown error message (IA_230620_041227-1). (02190000)

Key	Summary
SRVDA-2365	After specifying a conditional expression in the Synonym Editor from the Web Console, if you click the Exit and return to full console button and select Discard , the specified conditional expression is not discarded and saved. (02206571)
SRVDA-2363	In a Designer Visualization, the SQL Editor issues an error if the User ID is too long. (02205663, 02206292)
SRVDA-2350	In ibi™ WebFOCUS® InfoAssist, when using the EDIT function in the DEFINE function an error message is generated. (02028880)
SRVDA-2342	When creating a visualization, if you create a Persistent Extraction Stage (Target) 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

Key	Summary
	GRAPH FILE is different. (180608004)
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 Enhanced Security 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

Key	Summary
	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)
SRVDM-792	When testing the &&CM__REQUEST in a DBMS SQL Flow, it generates an error message. (02165800)
SRVFOC-1492	The CSV file output by FORMAT COMT 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 DT_CURRENT_DATETIME function to compare against a DATE field (YYMD), different versions of the product generate different outputs.
SRVFOC-1395	When you use the ON TABLE ROW-TOTAL 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 HEXBYT function, the results are different between SJIS(942) and Unicode(65001).

Key	Summary
	(02182643)
SRVFOC-1351	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. 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)
SRVFOC-1330	When you use the REBUILD REORG DUMP command with selection criteria to maintain the ibi™ FOCUS® file history, the resulting file can be used to load 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

Key	Summary
	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 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

Key	Summary
	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 PRRUN . (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 Upload Raw Data option, a warning message is generated and the upload fails. (02212537)
SRVWKSPC-3418	In 9.2.1 version of ibi™ WebFOCUS®, when running an APP COPYF command in ibi™ WebFOCUS® Client with SOLR enabled and APP SET METALOCATION_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/userid is located in a user

Key	Summary
	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 Choose Columns 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)
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

Key	Summary
	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 Application Mapping to Disk 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 Refresh button on the Deferred Status 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 Release Notes option in the Online Server Help

Key	Summary
	displays PDFs that are older 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

Key	Summary
	mobile device or an emulator, tooltips are not displayed when you tap on a marker or polygon. (02178604)
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, Edit Query and Edit connection 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

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	The following options are no longer available during ibi™ WebFOCUS® Server installation. • To perform USS installation from the ISPF panel. • To perform refresh installation of the WebFOCUS Server.	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
Interplex DMS 1100	9.3.0
Oracle E-Business Suite (Oracle Applications)	
Oracle TimesTen	

Adapter	Removed in Version
Siebel®	
SnappyData®	

Known Issues

The following issue exists in this release of ibi™ WebFOCUS®.

Key	Summary and Workaround
IBIAS-8717	Summary: In ibi™ WebFOCUS® App Studio, when you click the online help, an invalid help page might open. Workaround: Go to ibi™ WebFOCUS® App Studio documentation and click the Download All Docs button. Save the .zip to your local machine. Extract the downloaded .zip file and save the files to a location where you can access it.
IBIINST-2943	Summary: When upgrading from older releases of ibi™ WebFOCUS® integrated installation to Release 9.3.1, stopping ibi™ WebFOCUS® Reporting Server might not terminate all ibi™ WebFOCUS® Reporting Server processes. Workaround: You must stop ibi™ WebFOCUS® Reporting Server and ensure all ibi™ WebFOCUS® Reporting Server processes are terminated before upgrading.
IBIUX-2228	Summary: In Release 9.3.0, the Responsive autoprompt template and any custom autoprompt templates derived from it might encounter display issues. Workaround: Instead, use the Designer autoprompt template, which you can enable from the Parameter Prompting page of the WebFOCUS Administration Console.

Release Information

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

Release	Google Chrome™	Firefox®	Microsoft® Edge® (ibi™ WebFOCUS® only)
9.3.4	Version 135	Version 137	Version 135

Release	Google Chrome™	Firefox®	Microsoft® Edge® (ibi™ WebFOCUS® only)
9.3.3	Version 131	Version 134	Version 131
9.3.2	Version 130	Version 132	Version 130
9.3.1	Version 126	Version 127	Version 126
9.3.0	Version 122	Version 123	Version 122

- Effective April 1, 2021, all new releases of ibi™ WebFOCUS® following Release 8207.27.0 will no longer support Microsoft Internet Explorer 11 as a certified browser.
- Internet Explorer® Compatibility mode is not supported.
- See the following information published by Mozilla® for information on Firefox® browser release management: 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.
- For information on certain conditions that can force Microsoft® Internet Explorer® to display pages in a document mode different from the one specified in the webpage, see [Internet Explorer Browser Document Compatibility](#).
- For information on the expected behavior of Microsoft® Internet Explorer® (32-bit) on a Windows x64 machine, see the Microsoft® TechNet article [Run IE 32bit on Windows 10 X64](#).
- 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 Microsoft® Internet Explorer, this limit is 512 characters, while in Google Chrome™ the limit is 1024.

Supported Mobile Browsers

ibi™ WebFOCUS® Release	iOS Version	Browser	ibi™ WebFOCUS® Mobile App Version
Release 9.1.0 and later	iOS Version 15	Safari	Version 4.0.4
Release 9.1.0 and later	iOS Version 15	Chrome	Version 4.0.4
Release 9.1.0 and later	iOS Version 14	Safari	Version 4.0.4
Release 9.1.0 and later	iOS Version 14	Chrome	Version 4.0.4
Release 9.1.0 and later	Android Version 11	Chrome	Version 4.0.4
Release 9.1.0 and later	Android Version 10	Chrome	Version 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® Release 9.1.0 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. See [Accessible Functional Scope](#), [Limitations](#), and the [ibi™ WebFOCUS® 8207 Accessibility Conformance Report \(VPAT 2.4 INT\)](#) for additional information.

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

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](#) PDF
- PowerPoint - PPTX
- HTML - [Technical Memo 4505](#) : ibi™ WebFOCUS® HTML Report Accessibility Support

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.

ibi™ WebFOCUS® Release 8207.12 and earlier 8207 releases support the following ibi™ WebFOCUS® accessible report formats:

- PDF - See the ibi™ WebFOCUS® PDF Report Accessibility Support topic in the [Creating Reports with ibi™ WebFOCUS® Language](#) PDF
- HTML - [Technical Memo 4505](#) : ibi™ WebFOCUS® HTML Report Accessibility Support

Compatibility with Browsers and Assistive Technology

Testing was conducted using a variety of operating systems, browsers, automated testing tools, and screen readers including Windows® 10 operating system with the Google Chrome™ browser and NVDA or JAWS® 2020 screen readers.

Google Chrome™, Firefox®, Microsoft® Edge®, and Microsoft® Internet Explorer® browsers are supported to varying degrees dependent upon user's customizations and integration with assistive technology and other 3rd party extensions

For JAWS® browser requirement information, see the [Freedom Scientific](#) website

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 plugins 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® 8207 and later 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; however, ibi™ WebFOCUS® 8207 and later will provide enhanced alternatives for communicating sensory information in visualization and charts in an upcoming release.
- **Reflow:** Data tables behave as tables and do not reflow.
- **Headings and Labels:** ibi™ WebFOCUS® 8207 and later 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® 8207 and later 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, Designer Pages, and In-document Analytics (AHTML), available actions are accessed by entering CTRL+SHIFT+F10.
- **Change Notification:** Will be improved in an upcoming release for the Online Help.
- **Product Documentation:** The accessibility of the 'Online Help' section will be improved and available in an upcoming release. In the current release, users may experience the following:
 - Text obstruction on zoom
 - Difficulty navigating from the left pane to the right pane
 - Print menu flyout may not close on ESC or by moving focus.

ibi WebFOCUS Client Supported Operating Systems

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

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

Vendor (Processor/Architecture)	Operating System Version
	Windows® 11, 10 (limited to development environments only)
IBM® i	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)	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 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 (11.31)

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.

Please 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

Vendor Web Server & Application Server	Version
Apache Software Foundation (Apache Tomcat®)	9

Vendor Web Server & Application Server	Version
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

Vendor (RDBMS)	Version	JDBC Driver
Apache Software Foundation (Apache Derby®)	10.9.1.0	derbyclient.jar
	10.15.2.0	derbytools.jar
Microsoft® (MS SQL Server®)	2022	Microsoft JDBC Driver 12.2 for SQL Server mssql-jdbc-12.2.0.jre8.jar mssql-jdbc-12.2.0.jre11.jar Microsoft JDBC Driver 11.2 for SQL Server mssql-jdbc-11.2.0.jre8.jar mssql-jdbc-11.2.0.jre11.jar mssql-jdbc-11.2.0.jre17.jar mssql-jdbc-11.2.0.jre18.jar Microsoft JDBC Driver 10.2 for SQL Server mssql-jdbc-10.2.0.jre8.jar mssql-jdbc-10.2.0.jre11.jar

Vendor (RDBMS)	Version	JDBC Driver
		mssql-jdbc-10.2.0.jre17.jar
		Microsoft JDBC Driver 9.4 for SQL Server
		mssql-jdbc-9.4.1.jre8.jar
		mssql-jdbc-9.4.1.jre11.jar
		mssql-jdbc-9.4.1.jre16.jar
		Microsoft JDBC Driver 9.2 for SQL Server
		mssql-jdbc-9.2.1.jre8.jar
		mssql-jdbc-9.2.1.jre11.jar
		mssql-jdbc-9.2.1.jre15.jar
		Microsoft JDBC Driver 10.2 for SQL Server
		mssql-jdbc-10.2.0.jre8.jar
		mssql-jdbc-10.2.0.jre11.jar
		mssql-jdbc-10.2.0.jre17.jar
		Microsoft JDBC Driver 9.4 for SQL Server
		mssql-jdbc-9.4.1.jre8.jar
		mssql-jdbc-9.4.1.jre11.jar
		mssql-jdbc-9.4.1.jre16.jar
		Microsoft JDBC Driver 9.2 for SQL Server
		mssql-jdbc-9.2.1.jre8.jar
		mssql-jdbc-9.2.1.jre11.jar
		mssql-jdbc-9.2.1.jre15.jar
Microsoft® (MS SQL Server®)	2019	Microsoft JDBC Driver 8.4 for SQL Server
		mssql-jdbc-8.4.1.jre14.jar
		mssql-jdbc-8.4.1.jre11.jar

Vendor (RDBMS)	Version	JDBC Driver
		mssql-jdbc-8.4.1.jre8.jar
		Microsoft JDBC Drive 8.2 for SQL Server
		mssql-jdbc-8.2.2.jre13.jar
		mssql-jdbc-8.2.2.jre11.jar
		mssql-jdbc-8.2.2.jre8.jar
		Microsoft JDBC Drive 7.4 for SQL Server
		mssql-jdbc-7.4.1.jre12.jar
		mssql-jdbc-7.4.1.jre11.jar
		mssql-jdbc-7.4.1.jre8.jar
Microsoft® (MS SQL Server®)	2017	mssql-jdbc-6.2.2.jre8.jar Download available from https://www.microsoft.com/en-us/download/details.aspx?id=55539
Microsoft® (MS SQL Server®)	2016	mssql-jdbc-6.2.2.jre8.jar
	2014	Download available from https://www.microsoft.com/en-us/download/details.aspx?id=55539
	2012	
	2008	sqljdbc42.jar Download available from https://www.microsoft.com/en-us/download/details.aspx?id=54671
IBM ® (Db2)	11.5	db2jcc4.jar
	10.5	
	9.7 FP4	
Oracle® (Database)	21c	ojdbc11.jar

Vendor (RDBMS)	Version	JDBC Driver
	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

ibi™ WebFOCUS®/ibi™ WebFOCUS® Reporting Server Release supports 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
- AUENGLISH*
- ARABIC
- B-PORTUGUESE
- CAENGLISH*
- CROATIAN
- CZECH
- DANISH
- DUTCH
- ENGLISH
- ESTONIAN
- FINNISH
- FRENCH*
- GERMAN*
- GREEK
- HEBREW

- HUNGARIAN
- ITALIAN
- JAPANESE*
- KOREAN
- LATVIAN
- LITHUANIAN
- NORWEGIAN
- POLISH
- PORTUGUESE
- ROMANIAN
- RUSSIAN
- S-CHINESE*
- SLOVAK
- SPANISH*
- SWEDISH
- T-CHINESE*
- THAI
- TURKISH
- UKENGLISH

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 (Functionally stabilized)	Microsoft Office 2003, 2000	Windows XP
		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

[ibi™ WebFOCUS® EXL07/XLSX Format Supported Features Release Roadmap](#)

[ibi™ WebFOCUS® PPTX Format Supported Features Release Roadmap](#)

[Microsoft Windows Support Statement for ibi™ WebFOCUS®](#)

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

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

ibi Documentation and Support Services

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.

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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