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Server Release Notes Release 7708

These Release Notes provide the latest information about the Server Release 7708. For updated information about the server, visit https://techsupport.informationbuilders.com/.

Point to the Products menu at the top of the page and click DataMigrator Server/WebFOCUS Reporting Server. You will need your InfoResponse login ID and password to enter the Technical Support site.

In this chapter:

- Adapter Notes
- Browser Support
- Db2 Extender: Connects to First Client Node
- Dropped Support: Adapter Releases
- Dropped Support: Operating System Releases
- HTML5 Charts: Displaying Multiple HTML5 Charts in One-HTMLFORM
- MDI: Name Length Limit
- NLS: Change NLSCTRL default from OFF to ON
- Packed Fields: Decimal Precision
- z/OS 64-bit: Transition to 64-bit Server
- Further Information

Adapter Notes

Note the following adapter changes.

- **Oracle**: Support for system-versioned temporal tables. Temporal queries against ORACLE System-Versioned tables have been implemented by introducing fields with TEMPORALPROPERTY SYSTEMTIME. Add this property by editing the synonym.

- **Microsoft SQL Server**: Support has been dropped for version 2005.
If you do a Refresh Install to migrate a Reporting Server from an earlier release, if that server has an SQLMSS adapter configured for MS SQL Server 2005 (either OLE DB or JDBC), the following problems will occur.

- That adapter will not be visible on the Web Console Connect to Data page.
- The EDAPRINT log file will have multiple instances of the following message:
  
  (FOC1261) PHYSICAL INTERFACE NOT FOUND FOR SUFFIX SQLMSS

To fix these problems, in the Web Console:

1. Open the Workspace page.
2. Under Configuration Files, right-click Workspace - edaserve.cfg, and click Edit to open the edaserve.cfg file for editing.
3. Find the line that says:
   
   mss_rel = 2005

   Change it to:

   mss_rel=2008

4. Click the Save icon at the top of the panel to save and restart the server.

- **Rserve:**

  - In order for your R scripts to be visible in the Server Web Console file picker, you must save your R script files with a lowercase extension (scriptname.r).

  - R version 3.5.0 has a known problem with spaces in directory or file names. A patch to resolve this problem can be downloaded and installed from [https://cran.r-project.org/bin/windows/base/rpatched.html](https://cran.r-project.org/bin/windows/base/rpatched.html).
Browser Support

You can open the list of supported browsers and browser versions by clicking Browser Support from the Help link at the top right of the Server Web Console, as shown in the following image.

![Browser Support Window](image)

A window similar to the following opens.

![Browser Support Details](image)

**Db2 Extender: Connects to First Client Node**

The Db2 Extender always tries to connect to the first client node in the odin.cfg communication configuration file.
Dropped Support: Adapter Releases

As of Release 7708/8203, support has been dropped for the following adapters.

<table>
<thead>
<tr>
<th>Adapter Category</th>
<th>Adapter Name</th>
<th>D Adapter Release Desupported as of 7708/8203</th>
<th>E Nearest Adapter Release Supported in 7708/8203</th>
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<tbody>
<tr>
<td>OLAP</td>
<td>SQL Server Analysis Services</td>
<td>2605 2016 (Unicode Optional)</td>
<td>Windows 2008 2016 (Unicode Optional)</td>
</tr>
<tr>
<td>SQL</td>
<td>DB2</td>
<td>16 csl</td>
<td>z/OS</td>
</tr>
<tr>
<td>SQL</td>
<td>DB2</td>
<td>16 csl (Unicode Optional)</td>
<td>many</td>
</tr>
<tr>
<td>SQL</td>
<td>DB2</td>
<td>9.7 csl (Unicode Optional)</td>
<td>many</td>
</tr>
<tr>
<td>SQL</td>
<td>DB2</td>
<td>sql</td>
<td>OS 400</td>
</tr>
<tr>
<td>SQL</td>
<td>MS SQL Server JDBC</td>
<td>2605 (Unicode Optional)</td>
<td>many</td>
</tr>
<tr>
<td>SQL</td>
<td>MS SQL Server OLE DB</td>
<td>2605 (Unicode Optional)</td>
<td>Windows</td>
</tr>
<tr>
<td>SQL</td>
<td>Progress</td>
<td>11.3 (Unicode Optional)</td>
<td>Linux Kernel-2.6.32-generic-2.6 and up x86_64 64bit</td>
</tr>
<tr>
<td>SQL</td>
<td>Progress</td>
<td>11.4</td>
<td>AIX 7.1 and up pSeries 64bit</td>
</tr>
<tr>
<td>SQL</td>
<td>Sybase</td>
<td>ASE/10 15.5 OCS 15 Client (Unicode Optional)</td>
<td>many</td>
</tr>
<tr>
<td>SQL</td>
<td>Sybase</td>
<td>ASE/10 15.7 OCS 15 Client (Unicode Optional)</td>
<td>Solaris 11 and up Sparc 64bit</td>
</tr>
</tbody>
</table>

Dropped Support: Operating System Releases

As of Release 7708/8203, support has been dropped for the following operating system releases.

<table>
<thead>
<tr>
<th>Operating System</th>
<th>OS Version De-Supported in 7708/8203</th>
<th>Nearest OS Version Supported in 7708/8203</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIX</td>
<td>AIX 6.1 and up pSeries 64bit</td>
<td>AIX 7.1 and up pSeries 64bit</td>
</tr>
</tbody>
</table>

HTML5 Charts: Displaying Multiple HTML5 Charts in One -HTMLFORM

In order for HTML5 graphs (HOLD FORMAT JSCHART) to be included in -HTMLFORMs in a way that results in a valid HTML document, there must be a way to generate the output of an HTML5 graph so that it does not contain document-level HTML tags (such as, <html>, <head>, <body>). For the older, Java-based graph formats, this was accomplished by using HOLD FORMAT HTMTABLE instead of HOLD FORMAT HTML.

Starting with WebFOCUS Reporting Server Release 8204, a new SET command has been introduced that generates this type of output for HTML5 graphs.

**SET EMBEDDABLE = {OFF|ON}**
where:

**OFF**
Generates complete HTML report output with document-level HTML tags. This is the default value.

**ON**
Generates report output in HTML format without document-level tags. This setting should be used when creating HTML5 graph output to be used with -HTMLFORM.

**Note:** SET EMBEDDABLE=ON also affects HTML report output and Java-based graph formats. For those formats, it is the equivalent of using HOLD FORMAT HTMTABLE.

Embeddable HTML5 graph output does not contain the `<script>` tags necessary to load the JavaScript code for the chart engine (since it should only be loaded once in an HTML document). You must do this in the HTML you provide with the -HTMLFORM. The simplest solution is to include the IBI.OBJ.IBIHEADJS token, which automatically expands into the code necessary to load all the JavaScript libraries required for its interactive report and graph features (including the chart engine). For example:

```
SET EMBEDDABLE=ON

GRAPH FILE GGSALES
SUM UNITS BY CATEGORY
ON GRAPH SET LOOKGRAPh BAR
ON GRAPH HOLD FORMAT JSCHART AS GRAPH1
ON GRAPH SET STYLE *
type=data, column=n1, bucket=x-axis, $
type=data, column=n2, bucket=y-axis, $
END

GRAPH FILE GGSALES
SUM UNITS BY REGION
ON GRAPH SET LOOKGRAPh BAR
ON GRAPH HOLD FORMAT JSCHART AS GRAPH2
ON GRAPH SET STYLE *
type=data, column=n1, bucket=x-axis, $
type=data, column=n2, bucket=y-axis, $
END

-HTMLFORM BEGIN
<html>
<head>
<title>Two HTML5 graphs in an HTMLFORM</title>
!IBI.OBJ.IBIHEADJS;
</head>
<body>
!IBI.FIL.GRAPH1;
<br>
!IBI.FIL.GRAPH2;
</body>
</html>
-HTMLFORM END
```
In prior releases, customers may have attempted to place output from HOLD FORMAT JSCHART into HTMLFORMs, but this would have resulted in invalid HTML documents (multiple document-level tags and repeated initialization of the JavaScript chart code). While this technique may have appeared to produce correct results in the past, it is not possible to rely on it going forward, and the method described in this release note should be used instead.
MDI: Name Length Limit

The name of an MDI (multi-dimensional index) is limited to eight characters in length.

NLS: Change NLSCTRL default from OFF to ON

The default value of the parameter NLSCTRL in the NLS configuration file nlscfg.err has been changed from OFF to ON.

The setting can be verified by issuing the ? LANG query command.

Some European, and Japanese, users on z/OS and AS400 may encounter problems with this change. The related code pages are 273, 277, 278, 280, 284, 297, 500, 871, 875, 939, and 1026. They are all EBCDIC code pages. ASCII code pages (or the Reporting Server code pages on Windows and UNIX) are not affected.

The related special characters are the vertical line ('|', 0x4F in code page 37), the exclamation point ('!', 0x5A in code page 37) and the backslash ('\', 0xE0 in code page 37).

With NLSCTRL=OFF (old default), FOCEXECs using the affected code pages had to use the codepoint of the characters (0x4F, 0x5A and 0xE0). For example, to use a vertical line (|), they had to enter an exclamation point (!). With NLSCTRL=ON (new default), the actual characters can be used.

With NLSCTRL ON, FOCEXECs that used the substitute characters should be edited to use the actual characters.

Packed Fields: Decimal Precision

When a packed number has more decimal places than the number of decimal places assigned to the USAGE format of the field in which it is to be stored, it will always be rounded.

z/OS 64-bit: Transition to 64-bit Server

The z/OS Server is now a 64-bit application, which offers significant capacity and scalability advantages to customers. However, conversion of isolated Server features and adapters to 64-bit is still in progress, and is expected to be completed in later builds of 7708/8203. Customers upgrading to 7708/8203 who need any of these features or adapters should contact Customer Support Services.

The following features are not yet fully functional in the 64-bit server.

- Calls to User Written Subroutines written in COBOL, Fortran, or PL1 (including calls via zcomp, CALLITOC, CALLDB2, CALLIMS, and MSODDX).
The following adapters are not yet fully functional in the 64-bit server.

- CICS Transactions.
- Db2 Change Data Capture (CDC).
- IMS Transactions, IMS XMI, and IMS BMP (DLI Interface).
- Millennium.
- Model 204.

Further Information

For more information about the server, visit


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Server Release Notes

WebFOCUS Reporting Server Release 8204
DataMigrator Server Release 7708