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Server Release Notes Version 7 Release 7.06

These Release Notes provide the latest information about the Server Version 7 Release 7.06. For updated information about the server, visit http://techsupport.ibi.com/iwayalert.jsp. You will need your InfoResponse login ID and password to enter the Technical Support site. Once there, click Publications, then Tech Doc Library.

Topics:

- Disabling the CSRF Token When Connecting From a Release 8.0.x Client
- General Information
- Adapter for ESSBASE
- Adapter for Netezza
- Adapter for MQSeries
- Adapter for Red Brick
- Adapter for JBoss
- Adapter for Oracle
- Adapter for Informix
- Adapter for DB2 on IBM i
- Adapter for JDBC
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- Adapter for SQL Server Analysis Services (SSAS)
- Adapter for Microsoft SQL Server 2000 Analysis Services (MSOLAP)
- JVM Requirements for Java Services
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- New CMRUN Executable
- Platform Support
- Active Technologies
- Reporting Language
- Server Security
Disabling the CSRF Token When Connecting From a Release 8.0.x Client

The Version 7 Release 7.06 server supports a CSRF Token. This token is sent with each POST request in order to prevent a Cross-Site Request Forgery attack. If you are using a Release 8.0.x WebFOCUS client that is supported with the 7.7.06/8.1.x server, you need to disable the CSRF token in order to successfully connect to the server's HTTP Listener. You can disable the token from the server Workspace page.

1. Open the Special Services and Listeners folder.
2. Right-click TCP/HTTP, and select Properties of HTTP from the context menu.
   
   The Listener Configuration page opens.
3. Open the security section of the page, and select zero (0) from the CSRF_TOKEN drop-down list, as shown in the following image.

![Listener Configuration](image)

4. Click Save and Restart Server.
This adds the attribute CSRF_TOKEN = 0 to the HTTP listener block of the server odin.cfg file.

If you are connecting from a Release 8.1.x or higher client, the CSRF Token should be enabled.

**General Information**

This section covers general release information.

**Dropped Support**

As of Version 7 Release 7.06, support has been dropped for the following operating systems, adapters, and features.

**Operating Systems**

- Solaris 8 Sparc.
- OS400 V5R4 iSeries (nearest supported v6.1).

**Adapters**

- Business Object Universe
- EJB
- Erwin
General Information

- ESSBASE 6.5 (as of Version 7 Release 7.04)
- MQSeries (WebLogic 8 and WebSphere)
- MS SQL Server 2000
- Netezza ODBC Adapter
- Progress 10.0 and 10.1
- Redbrick 6.1
- Sybase ASE/IQ 12.15x
- XBRL

Other Features

- Deprecation of EDA API

As of the 7.7.06 and 8.1.x releases, the building of customer EDA API applications for client communication is in a deprecated state. The distributed source code examples in etc/src3gl have been removed, as well as references in the documentation. Existing applications from prior releases should continue to work with 7.7.06 and 8.1.x until final drop of the API, which is slated for the next major release. Please report any conditions in which there are failures.

In most cases, applications may be re-written using ODBC (by configuring and using the ODBC Connector) to replace the use of the EDA API. Additionally, technologies such as CMRUN, -REMOTEBEGIN/END and the WebFOCUS Servlet may be useful in some cases.

Change in Default Code Page on ASCII Platforms

As of Version 7 Release 7.06, the default code page on ASCII platforms is 1252.

Change in Default for the ACRSVRBTITL Parameter

As of Version 7 Release 7.06, the default value for the ACRSVRBTITL parameter, which controls the display of the title of a single field in an ACROSS group, has been changed to HIDEONE.

Elimination of the SESSION_EXPIRATION Listener Parameter

As of Version 7 Release 7.06, the SESSION_EXPIRATION setting and the foccache_maxage setting have been combined under the setting foccache_maxage. When a session is expired, the session foccache files are expired as well, and are removed from the operating system so that no unexpired files are left on foccache directories after the user session is expired.
If you are using an odin.cfg file from a prior release, and it has a SESSION_EXPIRATION setting, then the longer interval of the two (foccache_maxage and SESSION_EXPIRATION) is chosen to expire both the session and the session foccache files.

The SESSION_EXPIRATION setting has been removed from the Web Console. To set a session expiration, use the foccache_maxage setting. This setting is under Application Settings on the Web Console Applications page.

**Implementation Change to the User Home Application**

In Version 7 Release 7.06, the home application for any user who is not a server administrator appears in two places on the Web Console application tree. Both of these applications point to the same physical location, so that they can be referenced in two ways. The two applications are:

- Application *myhome*, which is prepended to APPPATH.
- Application *homeapps*, which is appended to APPPATH and can be expanded to see the user home application stored with a name that matches the user ID, such as *pgmtst1*.

Server administrator users have the myhome application prepended and the homeapps application appended to APPPATH. The homeapps folder can be expanded to show the home applications for all users.

The following image shows both the myhome application and the homeapps application for user *pgmtst1*:
The files created in home applications can be referenced in procedures as
myhome/procname.fex and homeapps/pgmtst1/procname.fex

The first type of reference can be ported easily to any user. It enables you to create a common
application that utilizes data stored in the home applications of users as myhome/data, so
that each user can run the same procedure but get a report based on the data stored in the
home application of that user.

The second type of reference enables you to run applications specific to a user, referring to
the data and procedure for each user as homeapps/pgmtst1/proc1.fex and
homeapps/pgmtst1/data. This type of reference can be used for testing applications before
moving them to common application folders.

Deprecation of the EDA API

As of the 7.7.06 and 8.1.x releases, the building of customer EDA API applications for client
communication is in a deprecated state. The distributed source code examples in etc/src3gl
have been removed, as well as references in the documentation. Existing applications from
prior releases should continue to work with 7.7.06 and 8.1.x, until final drop of internal code
for the API, which is slated for a later major release. Please report any conditions in which
there are failures.

In most cases, applications may be re-written using ODBC (by configuring and using the
ODBC Connector) to replace the use of the EDA API. Additionally, technologies such as
CMRUN, -REMOTE BEGIN/END and the WebFOCUS Servlet may be useful in some cases.

Installation Changes

In this section:

IBISAMP Legacy Data Sources
Security Providers

Version 7 Release 7.06 includes the following changes to the installation process.

IBISAMP Legacy Data Sources

Version 7 Release 7.06 marks a major re-implementation of the way samples and tutorials
are delivered to customers.

In the past, a static application directory named IBISAMP was created and populated with
a number of sample files. Additionally, there were Web Console and Data Management
Console (DMC) folder options for selecting and creating other samples.
As of 7.7.06, the IBISAMP folder is still created as part of the installation process, but it is not populated, and you use the Web Console or DMC folder option New -> Tutorials (or the Tutorials button on the Web Console Applications page) and its pull-down list to select and create a particular sample or tutorial.

Because the tutorial creation feature is at the folder level, you may choose to continue using IBISAMP as the location for creating the samples or pick any other folder. The pull-down list for Legacy tutorials will create most of the sample files that were in IBISAMP previously into the selected folder, but not all of them. Some of the prior files were DataMigrator related, and these tutorials were moved to occur under their specific tutorial pull-down.

Under z/OS PDS Deployment, there are some additional restrictions. The z/OS PDS JSCOM Listener option must have been selected at installation time as this option also “co-installs” various HFS source files that are used by the various tutorial creation options. If the HFS files of a z/OS PDS Deployment are not present, a tutorial creation request will produce a specific HFS files not found message. Note that not all tutorials are implemented for z/OS, so selecting a particular tutorial creation request may produce a not implemented message.

**Security Providers**

As of Version 7 Release 7.06, the default security provider configured during installation is the PTH (server internal) security provider. A default server administrator user ID is established for this security provider. The installer can accept the default, or change it, but must provide a password for this server administrator user ID. This enables the server to start with security immediately after installation. It is recommended that you keep this server administrator user ID and password as a backup.

All new security subjects for all security providers will be registered with a two-part name, provider\userid or provider\groupid. If one-part name registrations exist from a prior release, they are respected and are assumed to be primary provider registrations.

Support is now provided for cutting SMF records with non-OPSYS security providers (LDAP, PTH, DBMS). Therefore, the user ID fields in our SMF records have been increased to 20 characters to accommodate a reasonable size for longer user IDs under z/OS.

**Web Console Appearance**

HTML modes (HTML-Default, HTML-Blue, and HTML-Gray) are no longer available as Web Console Appearance options, as of Version 7 Release 7.05.

**Platform Naming Conventions**

Vendors occasionally change the name of their operating system and hardware, but effectively there is no technical change.
The term *IBM i* generically refers to all OS/400 and i5/OS operating system releases as of Version 5, regardless of hardware name changes that have occurred, such as iSeries, Series i and the more recent change to IBM i.

The term *Solaris* also generically refers to SunOS regardless of hardware or release level.

**Server Installation for Windows**

As of the 7.7.04 Windows server installation, the Start Security options have changed. The Start With Alternate Security Modes folder has been removed. The Start Security OPSYS option has been changed to Start Security ON. A new Start Security OFF option has been added. More information on new security options and the security changes in 7.7.04 is available in the Security topic of the Server Enhancements chapter in the New Features Version 7 Release 7.04 manual.

As of the Version 7 Release 7.02, separately installable debuggable versions are no longer required to get a full stack trace of information for a savediag. The Debuggable Version - Install and Debuggable Version - Remove options have been removed from the Windows menu.

If you have an earlier Version 7.7.x release that contains the debug menu options, and have installed service pack upgrades of 7702 (or higher), these menu options should be deleted, since they no longer function or are needed.

The size of a Windows installation has also changed, since the debuggable information is now carried as .pdb files that are not optional. While this change does increase disk space requirements, it is beneficial since abnormal terminations now produce a full stack trace without extra steps, speeding problem resolution.

**Support for SunOS Version 11**

The server is now certified to support SunOS Version 11 for both SPARC and i86pc.

**Adapter for ESSBASE**

As of Version 7 Release 7.04, the Adapter for ESSBASE 6.5 is no longer supported.

**Adapter for Netezza**

As of Version 7 Release 7.06, the ODBC interface is no longer supported. Users must switch to JDBC.

Netezza had incorrectly implemented relational logic for a NULL value record. It had returned an unexpected unknown value. The issue was fixed by the vendor in Version 7 Release 7.0.4.
The following problem affects Netezza releases 3.0.1 through 3.0.3. Netezza will be correcting this problem beginning with release 3.0.4.

When the Netezza driver PREFETCH value is less than the number of rows fetched from an answer set, Netezza rolls back the transaction. To avoid this problem, you can do any of the following:

- Set PREFETCH to a value greater than the number of records to be fetched. The default value is 256.
- Convert the report request to several smaller sub-requests, such that each fetches fewer rows than are specified by PREFETCH.

**Adapter for MQSeries**

As of Version 7 Release 7.06, the Adapter for MQSeries is no longer supported.

**Adapter for Red Brick**

As of Version 7 Release 7.06, the Adapter for Red Brick no longer supports v.6.1.

**Adapter for JBoss**

As of Version 7 Release 7.05, the Adapter for JBoss Application Server has replaced the Adapter for MetaMatrix, which is no longer supported.

**Adapter for Oracle**

As of Version 7 Release 7.05, the Adapter for Oracle is no longer supported on z/OS, and the Adapter for Oracle no longer supports the 8i interface on all platforms.

**Adapter for Informix**

Due to IBM bug registered as APAR IC73135: “Backward Compatibility Issue Introduced With Trusted Context Implementation in ESQL/C,” users that have installed a Version 7 Release 7.05 server and are using Informix Adapter SDK37 will need to upgrade their Informix client to maintenance release 3.70.FC6 or higher.

**Adapter for DB2 on IBM i**

The adapter supports both SQL and CLI access modes for configuration. There are a number of advantages to selecting the CLI mode including:

- Support for DB2 RPCs.
- Control of journals.
Data sharing.
Remote data.
UTF8 support.

While SQL mode access is currently supported, it is being considered for de-support at a future date. Therefore, the use of CLI mode access when configuring a server is not only preferred, but highly recommended.

**Adapter for JDBC**

When setting up the Adapter for JDBC on UNIX, if the server is running with security set to OPSYS or PTH, the library path variable (SLIB_PATH (HP-UX), LIBPATH (AIX), LD_LIBRARY_PATH (all others)) is ignored. In this case, you must use IBI_LIBPATH.

**Adapter for PeopleSoft**

The Adapter for PeopleSoft no longer requires the PSLOGIN FOCEXEC to be included in the profile of the DEFAULT service. For the WebFOCUS environment to take advantage of this feature, WebFOCUS 7.7.03 Hotfix 5 must be installed. Earlier versions of the WebFOCUS product do not support this feature of the Adapter for PeopleSoft adapter.
Adapter for SQL Server Analysis Services (SSAS)

To change the ROLLUP_BY_VISUALTOTALS setting for all hierarchies in a synonym, right-click the Dimensions folder, not the synonym name:

Adapter for Microsoft SQL Server 2000 Analysis Services (MSOLAP)

As of Version 7 Release 7.04, the Adapter for MSOLAP is no longer supported. Customers should use the Adapter for SQL Server Analysis Services (SSAS) instead.

JVM Requirements for Java Services

If JVM-based adapters, server-side graphics, XBRL, or user-written CALLJAVA applications are to be used, a Java Runtime Environment (JRE) JVM must be installed on the machine, and the server must be configured to use it.
As of 7.7.05 and WebFOCUS 8 production releases, the minimum JVM release level is 1.6 or higher, due to required internal components of the server. The Java Listener will not start unless 1.6 (or higher) is in use. Prior 7.x releases would allow the listener to start with any release, and sub-components would fail if they required a higher Java Level. The primary reason for this change is that Java 1.5 (and prior releases) are past their End of Service Life (EOSL) dates, and, as such, are unsupportable, in addition to lacking newer functionality. The following URL has Java EOL and EOSL information:

http://java.sun.com/products/archive/eol.policy.html

### Connector for OLE DB

The Connector for OLE DB does not support Data Transformation Services and access to linked servers with Microsoft SQL Server 2005. We are researching this issue, and hope to address it in a future release.

### Resource Analyzer

Please note the following for Resource Analyzer:

- The migration of Resource Management Repository data from an earlier 7.7.0x server to a refreshed 7.7.06 on PDS deployment is not supported. The 7.7.06 PDS server must be a new installation, and the Migration option on the Web Console can then be used to migrate the Repository data.

- Resource Management Graphical reports are not supported on the MVS PDS-deployed server in Version 7 Release 7.06.

### Run With Options Changed to Submit With E-Mail

The Run Deferred option for running a procedure has been changed to Submit with E-Mail under Run Advanced on the Web Console and Data Management Console. This allows you to run the procedure at a desired date and time, and send email at the start of execution or at the completion of the procedure. If the procedure creates a report, it can be used as an email attachment. It also allows you to change the default variable values.

For more information on Submit with E-Mail, see the Managing Applications chapter in the Server Administration manual.
Running or Sharing 7.7.x and 7.6.x on the Same Machine

When selecting the profiles directory name at install time, the profiles directory should not be shared between 7.7.x and 7.6.x servers if the site uses custom user privileges on the 7.6.x server, plans to use custom user privileges on the 7.7.x server, and plans to keep the 7.6.x server running because changing a privilege (for any user) will cause the file to get rewritten in a new 7.7.x format which is incompatible with a 7.6.x server. If changes in privileges are expected after the 7.7.x installation, the files in the 7.6.x profiles directory can be simply duplicated to the new 7.7.x location to seed the 7.7.x location before the initial server start up.

Sites that have chosen to upgrade a 7.6.x server to 7.7.x, should also use the Web Console to edit and adjust the workspace manager name (used for the Web Console banner) in the Workspace configuration file to reflect the 7.7 release level.

New CMRUN Executable

The CMRUN feature has been re-implemented to use newer internal technologies that are now available to optimize the way CMASAP jobs are submitted. With the exception of z/OS PDS Deployment, which requires two additional static JCL DD values, there are no differences in the way one uses CMRUN (for example. parameters) and the submission and response portions of a request run faster.

The output from the new implementation is slightly changed. The messages from the CMRUN executable now start in column 2 (previously in column 1), long informational and error messages are no longer truncated at 80, and there no longer are intermediate blanks lines in the output. The exit codes are unchanged. Any user scripts that parse CMRUN output should be adjusted for the change in starting column position and message length size.

For z/OS PDS, any existing custom JCLs that call the new CMRUN executable will need the addition of two DD names, as well as any high level qualifiers adjusted for the new software location. Any existing (pre 7706) z/OS PDS configurations that have had a 7706 (or higher) server upgrade will also need the same DD name additions to the configuration’s CMRUN JCL example (if they use the CMRUN JCL or plan to use the CMRUN JCL). The JCL additions are:

```
//EDAERR DD DISP=SHR, DSN={hlq}.CFG
// DD DISP=SHR, DSN={hlq}.HOME.ERR
//CURFEX DD DISP=NEW, UNIT=SYSDA, SPACE=(CYL,(1,1,10)),
// DCB=(RECFM=VB,LRECL=2044,BLKSIZE=27998,DSORG=PO)
```

Note: Use of the EDAAPI to submit CMASAP jobs (effectively a form of user written CMRUN) is now considered deprecated. Existing applications of this nature should be transitioned to the use of the standard CMRUN executable.
Platform Support

For a list of supported platforms, please visit:


For a list of de-supported servers and adapters, please visit:

http://stgstaging.ibi.com/tech/all/all_rln_77_osadapter_eos_letter.html

Active Technologies

This topic describes known issues in Active Technologies.

- If you are using WebFOCUS Reporting Server Release 8.0 Version 04 between Gen 123 and Gen 128, or Server Release 7.7 Version 05 between Gen 123 and Gen 128, no data is returned when you bind a numeric field to any type of active form control (dashboard prompt), such as a drop-down list or check box. This issue is resolved in WebFOCUS Reporting Server Release 8.0 Version 04 Gen 131 and Server Release 7.7 Version 05 Gen 131.

  If you are using an active dashboard with an active form control, you must upgrade the WebFOCUS Reporting Server to Release 8.0 Version 04 Gen 131 or higher, or upgrade the Server to Release 7.7 Version 05 Gen 131 or higher, to retrieve data for numeric fields.

  **Note:** This issue does not apply to an earlier offering, Server Release 7.7 Version 05 Gen 721.

- The menu in an Active Technologies report for PDF always opens on the right side of the screen instead of dynamically switching to the left side when there is not enough width on the right. The positioning of the menu is the result of a known issue in the Adobe® Flex® SDK. As a work-around, a horizontal scroll bar is added at the bottom of an Active Technologies report in APDF format so that you can access the menu in the rightmost column.

- The following mobile and tablet device support applies:

  - Active Technologies for Flash® and PDF are not supported on Apple® iOS-based devices or Android™ devices.

  - Active Technologies charts that use the advanced Flash chart engine (ARGRAFENGINE=FUSION) are not supported on Android devices.

  - Active Technologies charts that use the WebFOCUS Graph JavaScript Engine (ARGRAFENGINE=JSCHART) are not supported on Android devices with OS version 3.0 or lower.
In Active Technologies for mobile on Android devices, you cannot select the chart type when using the WebFOCUS Graph JavaScript Engine (ARGRAPHENGINE=JSCHART). Charts are not available in the chart selection tool.

Running an AHTML report with more than 30,000 records may cause the mobile Safari® browser to close on the Apple iPad®. To handle a large set of data when using Safari on iPad, turn on the active cache feature.

The mouse-over data tip is not supported in Internet Explorer® 9 using ARGRAPHENGINE=JSCHART.

The spectral chart type in Active Technologies for HTML is not supported.

HTML5 and AHTML graph output does not support the LEGEND Top position.

An active report for Adobe Flash Player is generated using a Java®-based compiler engine that is included with the Adobe Open Source Flex SDK for the WebFOCUS Reporting Server. The Adobe Flex compiler does not support the use of a UNC (Universal Naming Convention or Uniform Naming Convention) path.

If the WebFOCUS Reporting Server is installed on a network share using a UNC path name, you must set the CLASSPATH to flex-compiler-oem.jar and mxmlc.jar on a mapped drive before starting the server.

For example, before calling edastart on a user PC, issue the following commands:

```
net use E: \mypc\C$\ibi
set CLASSPATH=E:\srv77\home\etc\flex\lib\flex-compiler-oem.jar;
   E:\srv77\home\etc\flex\lib\mxmlc.jar
```

If you save or distribute an AHTML report or dashboard with ARGRAPHENGINE=FUSION using the Save or Send As Email option or the ReportCaster email attachment option, you will receive an empty chart in the saved or distributed report or dashboard.

The following are known issues with Mobile Web Apps:

- Active Technologies for Mobile Web Apps full-screen web app view is not available in desktop browsers.
- The totals in a pivot table may appear misaligned when switching BY and ACROSS columns in the pivot table while in full-screen web app view on mobile devices.
- In full-screen web app view on mobile devices, rollup and pivot tables created from Rollup menu items are missing. You can view them when you switch the view to the original active report view.
- There is a known issue with advanced Active Technologies charts for Adobe Flash Player. They are not supported in Report Library.
Comments for an accordion active report are cleared when used with the active cache feature if you sort output with the Sort Ascending or Sort Descending command.

There is a known issue with Adobe Flash Player in 64-bit browsers. To run active reports for Adobe Flash Player (output format FLEX), use a 32-bit version of your browser. All commonly used browsers are available in a 32-bit version. The 32-bit version of the Internet Explorer is the default browser on Windows 64-bit systems.

For more information on Adobe Flash Player and to verify the state of support on 64-bit browsers, check the Adobe website:

http://www.adobe.com

z/OS (OS/390) is not supported by Active Technologies for Flash (output format FLEX) or for PDF (output format APDF).

iSeries (AS/400) and OpenVMS are fully supported.

Reporting Language

In WebFOCUS Reporting Server 7.7.05 and earlier, a request containing only HEADING elements with no printed columns caused the server to crash. As of Version 7 Release 7.05 gen 124, the heading elements will display even if there is no data displayed in the report request.

Server Security

This topic describes known issues with server security.

The specific privileges for home applications (HPRIV) have been removed and are superseded by the GRANT privilege.
Reader Comments

In an ongoing effort to produce effective documentation, the Technical Content Management staff at Information Builders welcomes any opinion you can offer regarding this manual.

Please share your suggestions for improving this publication or alert us to corrections. Identify specific pages where applicable. You can contact us through the following methods:

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Comments:
Server Release Notes
DataMigrator Server Version 7 Release 7.06
WebFOCUS Reporting Server Release 8.1M