

## Essbase® Deployment Services Release 7.1

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### Readme File for All Platforms

This file contains the following sections:

<b>What is Essbase Deployment Services?</b> .....	<b>1</b>
<b>New Features in this Release</b> .....	<b>2</b>
<b>Platforms Supported</b> .....	<b>2</b>
<b>Client OS Support</b> .....	<b>2</b>
<b>Middle-Tier OS Support</b> .....	<b>3</b>
<b>Associated Software</b> .....	<b>3</b>
<b>Application Servers</b> .....	<b>4</b>
<b>Essbase Analytic Servers</b> .....	<b>4</b>
<b>Release 7.1 Documentation</b> .....	<b>5</b>
<b>Known Problems</b> .....	<b>5</b>
<b>Localization</b> .....	<b>9</b>
<b>Matrix of ESSLANG Values for Windows Platforms</b> .....	<b>9</b>
<b>Matrix of ESSLANG Values for UNIX Platforms</b> .....	<b>10</b>

**Note:** Any references in the documentation to the Hyperion Download Center pertain if your site has access.

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### What is Essbase Deployment Services?

Essbase Deployment Services provides a highly scalable, available, and reliable platform for developing large-scale, web-enabled Essbase Analytic Services applications. Essbase Deployment Services works with Analytic Services and large-scale Java programming technology to bring enterprise-level performance and reliability to Analytic Services applications.

The Essbase Deployment Services platform supports large scale Analytic Services applications by providing the following capabilities:

- Essbase Analytic Server clustering: Essbase Deployment Services allows you to group sets of Essbase Analytic Servers running applications with identical databases and use them as a single resource in your client programs.
- Essbase Analytic Server load balancing: Essbase Deployment Servers can receive requests to a single Essbase Analytic Server and distribute requests across a cluster of Essbase Analytic Servers running copies of an application.

- Essbase Analytic Server failover support: Essbase Deployment Services detects Analytic Server service interruptions and automatically re-routes requests to another Essbase Analytic Server.
- Essbase Analytic Server connection pooling: Essbase Deployment Services allows client requests to share connections, conserving software and network resources and improving performance.

These features create a highly scalable and reliable platform on which to build enterprise-level client applications for Essbase Analytic Services.

## New Features in this Release

This release of Essbase Deployment Services brings new and improved capabilities in the following areas:

- New Java API capabilities for managing customer defined macros and functions.
- New Java API capabilities for managing security access privileges.
- New Java API capabilities for listing calculation functions.
- New Java API support for MDX.
- Integration with Veritas Cluster Server on Windows platforms.
- Ability to identify and halt specific Essbase requests.
- Updates to the supported releases of Essbase Analytic Server and third-party application servers.
- The inclusion of MySQL as the default domain store.
- Administration of Deployment Services through Essbase Administrative Services.
- A new documentation Launch Page.

[Top](#)

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## Platforms Supported

The Essbase Deployment Services Release 7.1 servers work only with the 7.1 Console. Do not attempt to administer 7.1 servers with the console from a previous release.

## Client OS Support

The client, Essbase Deployment Services Console, is supported on the following operating systems:

- Windows 2000 SP3
- Windows XP Professional
- Windows 2003

## Middle-Tier OS Support

Essbase Deployment middle-tier web service requires the following server operating systems:

- Windows 2000 SP3
- Windows 2003
- Sun Solaris 8/9 (Sun OS 5.8/5.9)
- HP-UX 11i
- AIX 5L (V5.1/5.2)
- Linux RedHat AS/ES/WS 2.1 for Intel, including the following libraries:
  - libgcc-3.0.4-1.i386.rpm
  - gcc3-3.0.4-1.i386.rpm
  - libstdc++3-3.0.4-1.i386.rpm
  - libstdc++3-devel-3.0.4-1.i386.rpm
  - gcc3-c++3.0.4-1.i386.rpm

## Associated Software

The following software products can be used with Essbase Deployment Services, but are not included with this release:

- Veritas Cluster Server is available from VERITAS Software Corporation:  
<http://www.veritas.com>
- WebLogic Server is available from the BEA Systems, Inc.:  
<http://www.bea.com>
- WebSphere is available from IBM Corporation:  
<http://www.ibm.com/websphere>
- DB2 is available from IBM Corporation:  
<http://www.ibm.com/db2>
- Oracle is available from Oracle Corporation:  
<http://www.oracle.com>
- SQL Server is available from Microsoft Corporation:  
<http://www.microsoft.com/sqlserver>
- MSXML3 parser is available from Microsoft Corporation:  
<http://msdn.microsoft.com/downloads>
- Sun ONE application server is available from Sun Microsystems:  
[http://wws.sun.com/software/products/appsrvr/appsrvr\\_download.html](http://wws.sun.com/software/products/appsrvr/appsrvr_download.html)

**Note:** The process of installing and configuring third-party software products, including required application servers, is specific to each software product. Installation information is available in the product documentation. Configuration topics specific to each of the approved third-party products are available under the Tips and FAQs section at the [Hyperion Developer Network website](#).

To assist you in getting started quickly, Hyperion provides the MySQL relational database and Apache Tomcat application server with Essbase Deployment Services. The MySQL relational database and the Apache Tomcat Application Server software are not intended to support large user communities in production environments. It is recommended that they be deployed with Deployment Services only in test or demonstration environments, where a controlled number of individuals will access and use them.

For production environments, Essbase Deployment Services should be deployed with a commercially available database and a commercially available application server. Please refer to the Essbase Deployment Services Support Matrix for more information on supported databases and application servers.

If you have any questions about using this software as part of your specific implementation, please contact Hyperion Customer Support.

### **Application Servers**

Essbase Deployment Services supports the following J2EE application servers:

- BEA WebLogic Server 8.1 SP2, 7.0 SP2
- WebSphere 5.1, 5.0 (5.0.1 for Solaris)
- Apache Tomcat 4.1.30
- Sun ONE 7.0

Essbase Deployment Services supports HTTP/1.1 and SSLv3 protocols.

On Windows and UNIX platforms, Essbase Deployment Services 7.1 does not support automatic deployment to the WebLogic, WebSphere, or Sun ONE application servers. In order to deploy to WebLogic, WebSphere, or Sun One, use the manual deployment method to deploy Essbase Deployment Services (described in the *Essbase Deployment Services Installation Guide*).

### **Essbase Analytic Servers**

This release of Essbase Deployment Services supports the following releases of Essbase Analytic Services:

- 7.1
- 7.0.1
- 7.0
- 6.5.x

Several Hyperion products assign the system path variable ARBORPATH. Because the ARBORPATH value can be different for the various Hyperion products, the products can conflict when attempting to communicate with each other or with a third product such as an Application Server. Customers running more than one Hyperion product should take steps to maintain a consistent usage of the ARBORPATH variable.

In addition, it is not recommended to run all Hyperion products under the same Java Virtual Machine (JVM) instance of the application server. The recommendation is to run Hyperion products under different instances of JVMs in the same installation of an application server, or on different installations of an application server. If all products are installed under the same JVM, then you must have the same version of the runtime client as the product version.

[Top](#)

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## Release 7.1 Documentation

The following online documentation is included with this release:

- Essbase Deployment Services Launch Page -- provides links to all the online documentation  
`\eds_home\docs\launch_eds.htm` [Click here to open the online documentation.](#)
- **Note:** Link works only if documentation is installed in the recommended structure.
- Essbase Deployment Services Installation Guide (PDF)  
`\eds_home\docs\books\installgd.pdf`
- Essbase Deployment Services Console online help (HTML)  
`\eds_home\docs\console\console.htm`
- Essbase Deployment Services Essbase.properties File Reference (HTML)  
`\eds_home\docs\props\propfile.htm`
- Essbase JAPI Reference (HTML)  
`\eds_home\docs\ess_japi_html\index.html`

### Notes:

- The Essbase Deployment Services Console online help can be viewed in Internet Explorer (version 3.0 or later) or Netscape Navigator (version 3.0 or later). However, certain features of the help system are not supported by older versions of these browsers. For this reason, we recommend viewing the online help in the most recent version of Internet Explorer or Netscape Navigator.
- On UNIX systems, when trying to launch a PDF file from the launch page (`launch_eds.htm`), the PDF may not launch directly and a Save As dialog box is displayed instead. (80293)

**Workaround:** Verify that the Adobe Reader software is installed. If it is, and the Save As message still displays, open the PDF file directly from Adobe Reader.

[Top](#)

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## Known Problems

Every effort has been made to ensure that Essbase Deployment Services is as free of bugs as possible. However, there are some known problems.

80598	Deployment Services Release 7.1 server does not work with Essbase 6.5.4.2 in high concurrency mode.
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79074, 80440	<p>A full install of Linux Red Hat AS2.1 will include all necessary libraries. If you choose to perform a custom install of AS2.1, you must verify that the following RPMs are installed:</p> <ul style="list-style-type: none"> <li>• libgcc-3.0.4-1.i386.rpm</li> <li>• gcc3-3.0.4-1.i386.rpm</li> <li>• libstdc++3-3.0.4-1.i386.rpm</li> <li>• libstdc++3-devel-3.0.4-1.i386.rpm</li> <li>• gcc3-c++3.0.4-1.i386.rpm</li> </ul>
80313	<p>Running the Java API sample, MdxQuery.java, more than once throws an exception.</p>
80351	<p>When executing the following query, if the member selection parameter (shown in bold) includes the "@" character, the EDS server may fail.</p> <pre>executeQuery(java.lang.String fieldSelection, java.lang.String <b>mbrSelection</b>)</pre>
80353	<p>An Essbase timeout can produce the following error message: "Syntax error loading filters - operation canceled errors." If this occurs, restart the Essbase Agent.</p>
79856	<p>Essbase version compatibility issues may result in incorrect grid data with attribute members.</p>
71144	<p>The Essbase Deployment Server Release 7.1 server works only with the 7.1 Essbase Deployment Services Console. Do not attempt to administer 7.1 servers with a previous release of the console.</p>
60699	<p>Starting a Deployment Services server with WebLogic and JRocket returns an exception.</p>
72819	<p>The Deployment Services Console does not allow font selection.</p>
72021	<p>Cancelling the installation program can result in a very long error message.</p>
73050	<p>Deployment Services does not implement versioning of JAR files and executables.</p>
73370	<p>Interactions between Deployment Services 7.0 Clients and 6.5.4 servers can return error messages for various grid options.</p>
79964	<p>Attaching a Linked Reporting Object file from a Deployment Services cube view through WebSphere 5 encounters problems.</p>
74074	<p>Attempting to delete a Linked Reporting Object from a cell returns a Java API error.</p>

78184	Deployment Services does not support copying Essbase aggregate storage applications across servers.
79187	<p>In some cases, Deployment Services is unable connect to MySQL, even after creating an Essbase database.</p> <p><b>Workaround:</b> Most UNIX platforms (including Linux) have a "localhost" record in the <code>/etc/hosts</code> file, but the order of the items in the entry may differ among platforms. To make MySQL accept the connection for user "root" from localhost, you must modify <code>/etc/hosts</code> to ensure that "localhost" comes first, after the IP address. For example:</p> <pre>127.0.0.1      localhost      localhost.localdomain</pre>
78467	The Deployment Services Console does not support copying Essbase databases from one server to another.
79254	Searches using the ? wildcard within a double-byte character set will not work.
79301	<p>Deployment Services freezes and it unable to allocate memory in some cases. The memory allocation problems may be caused by operations that are started but not ever finished or closed. Because memory is allocated for each operation and not released until the operation is finished, if enough unfinished operations occur, memory could run out on the server. Some examples of unfinished operations are:</p> <ul style="list-style-type: none"> <li>• Opening a cube view, and not closing the cube view</li> <li>• Opening an outline, and not closing the outline</li> <li>• Opening Member Selection, and not closing Member Selection</li> </ul>
79119	The synch security feature does not work consistently.
80205	The Deployment Services Console does not support creating users or groups with names consisting of all capital letters.
75092	When a connection pool is full, EDS fails without returning an error message. It should return an error message and allow users to increase the connection pool number.
74959	The Java API function, <code>IEssOlapServer.getApplication</code> , gets an application even when that application has just been deleted.
76939	Uninstalling the Deployment Services documentation does not remove the documentation item from the Start Menu.
61313	Connection pools do not allow restricting users based on permissions.
28179	The log file will not be created if a backslash character is included in the log file path in the <code>essbase.properties</code> file.

74888	Certain errors can be caused by your Java API program calling specific Essbase C API functions. In order to avoid the errors, remove the following API functions from your code: GetDbState, ListFiles, GetDbStats, and GetDbInfo.
74044	If you attempt to run the installation from directory that has a name with Chinese characters the installation will throw the NoClassFoundException error.
75084	ESS and EDS will fail if the Maximum Connection Pool setting is equal to the number of users. Increase the EDS Maximum Connection Pool setting to approximately twice the number of anticipated users.
73913	Java API Docs for IEssDimension.getUDAs() contains an error.
73573	The Search Users operation does not filter properly.
71295	EDS does not throw an exception for an outline restructure failure.
65352	If Allow Commands is disabled after initial connection to the connection pool is established, EDS gives an error.
61066	EDS Servlet Deployment does not give the proper information about the path of the <code>essbase.properties</code> file.
60379	EDS server does not log error messages in the EDS log if the Essbase Analytic Server is not running.
60299	Stopping one database in a cluster while requests are being executed gives an error.
58220	EDS server fails without giving an error if the Essbase Analytic Server is not running.
57181	When setting up a connection pool, if a user name is null, the Deployment Services Console does not give a message
57169	The "Get connections" operation always returns an empty list.
28677	On all UNIX platforms, running service on back group, still displays message on STDIO.
28186	The EDS server does not report an error when the Log file name is empty or null.
28180	The log file option takes any value for the log file settings.
28048	syncSecurityStores returns incorrect information for password updated.
27786	If query accelerator is True and agent port is used, all platforms give error message.



27532	The Cluster and Connection Pools give error message when query accelerator is enabled.
27415	A "Client Timed Out" error occurs if you are using a specific port to run the Essbase, and you have not copied the <code>essbase.cfg</code> file to the <code>essolap\bin</code> directory.
26943	When deleting a user a second time, EDS returns an incorrect error message.
26592	When a cluster is created, the service component names field is not updated.
26540	The EDS console does not validate all fields of the Connection Pool dialogs.
26131	The file, <code>setup.java</code> , is needed to configure the Java sample programs.
24904	On Solaris, the Deployment Services Console does not close after closing the EDS server.
22856	On UNIX platforms, the Confirm Password window does not display the cursor in the password field.
21929	Killing one of the agents in a cluster while requests are being executed returns an exception.
21846	If both agents in a cluster are stopped after EDS is started, EDS goes into an infinite loop with error.
21845	If an agent in a cluster is stopped after EDS is started, EDS returns an error.

[Top](#)

## Localization

Essbase Deployment Services supports the use of languages other than English. To use other languages, set the `ESSLANG` environment variable on the computer running Essbase and Essbase Deployment Services.

For more information on language code pages refer to :

<http://www.iana.org/assignments/character-sets>

### Matrix of `ESSLANG` Values for Windows Platforms

Language	<code>ESSLANG</code>
Traditional Chinese	<code>ESSLANG=TraditionalChinese_Taiwan.MS950@Binary</code>
Simplified Chinese	<code>ESSLANG=SimplifiedChinese_China.MS936@Binary</code>
Japanese	<code>ESSLANG=Japanese_Japan.MS932@binary</code>
Latin-1 , Western Europe (e.g. German)	<code>ESSLANG=German_Germany.Latin1@Default</code> <code>ESSLANG=French_France.Latin1@Default</code> <code>ESSLANG=Spanish_Spain.Latin1@Spanish</code>

Language	ESSLANG
	ESSLANG=Italian_Italy.Latin1@Default ESSLANG=Portuguese_Portugal.Latin1@Default ESSLANG=Norwegian_Norway.Latin1@Danish ESSLANG=Swedish_Sweden.Latin1@Swedish ESSLANG=Danish_Denmark.Latin1@Danish ESSLANG=Finnish_Finland.Latin1@Finnish ESSLANG=CanadianFrench_French-Canada.Latin1@Default ESSLANG=Catalan_Catalonia.Latin1@Default ESSLANG=Dutch_Netherlands.Latin1@Default
Latin-2, Central Europe (e.g. Polish)	ESSLANG=Albanian_Albania.ISO-8859-2@Default ESSLANG=Croatian_Croatia.ISO-8859-2@Croatian ESSLANG=Czech_CzechRepublic.ISO-8859-2@Czech ESSLANG=Hungarian_Hungary.ISO-8859-2@Hungarian ESSLANG=Romanian_Romania.ISO-8859-2@Romanian ESSLANG=Serbian_Yugoslavia.ISO-8859-2@Default ESSLANG=Slovak_Slovakia.ISO-8859-2@Slovak ESSLANG=Slovenian_Slovenia.ISO-8859-2@Slovenian
Cyrillic	ESSLANG=Bulgarian_Bulgaria.ISO-8859-5@Default ESSLANG=Byelorussian_Belarus.ISO-8859-5@Default ESSLANG=Macedonian_Macedonia.ISO-8859-5@Default ESSLANG=Russian_Russia.ISO-8859-5@Default ESSLANG=CyrillicSerbian_Yugoslavia.ISO-8859-5@Default ESSLANG=Ukrainian_Ukraine.ISO-8859-5@Ukrainian
Arabic	ESSLANG=Arabic_SaudiArabia.ISO-8859-6@Default ESSLANG=Farsi_Iran.ISO-8859-6@Default
Greek	ESSLANG=Greek_Greece.ISO-8859-7@Default
Hebrew	ESSLANG=Hebrew_Israel.ISO-8859-8@Default
Latin-5, Turkish	ESSLANG=Turkish_Turkey.ISO-8859-9@Turkish
Vietnamese	ESSLANG=Vietnamese_VietNam.MS1258@Vietnamese
Russian	ESSLANG=Russian_Russia.ISO-8859-5@Default
Ukrainian	ESSLANG=Ukrainian_Ukraine.ISO-8859-5@Ukrainian
Thai	ESSLANG=Thai_Thailand.MS874@Thai
English	ESSLANG=English_UnitedStates.US-ASCII@binary

### Matrix of ESSLANG Values for UNIX Platforms

Language	ESSLANG
Traditional Chinese	ESSLANG=TraditionalChinese_Taiwan.MS950@Binary
Japanese	ESSLANG=Japanese_Japan.MS932@binary
Japanese (UNIX)	ESSLANG=Japanese_Japan.MS932@binary
Korean (UNIX)	ESSLANG=Korean_Korea.MS949@Binary
Simplified Chinese	ESSLANG=SimplifiedChinese_China.MS936@Binary
Latin-1 , Western	ESSLANG=German_Germany.Latin1@Default

<b>Language</b>	<b>ESSLANG</b>
Europe (e.g. German)	ESSLANG=French_France.Latin1@Default ESSLANG=Spanish_Spain.Latin1@Spanish ESSLANG=Italian_Italy.Latin1@Default ESSLANG=Portuguese_Portugal.Latin1@Default ESSLANG=Norwegian_Norway.Latin1@Danish ESSLANG=Swedish_Sweden.Latin1@Swedish ESSLANG=Danish_Denmark.Latin1@Danish ESSLANG=Finnish_Finland.Latin1@Finnish ESSLANG=CanadianFrench_French-Canada.Latin1@Default ESSLANG=Catalan_Catalonia.Latin1@Default ESSLANG=Dutch_Netherlands.Latin1@Default
Latin-2, Central Europe (e.g. Polish)	ESSLANG=Albanian_Albania.ISO-8859-2@Default ESSLANG=Croatian_Croatia.ISO-8859-2@Croatian ESSLANG=Czech_CzechRepublic.ISO-8859-2@Czech ESSLANG=Hungarian_Hungary.ISO-8859-2@Hungarian ESSLANG=Romanian_Romania.ISO-8859-2@Romanian ESSLANG=Serbian_Yugoslavia.ISO-8859-2@Default ESSLANG=Slovak_Slovakia.ISO-8859-2@Slovak ESSLANG=Slovenian_Slovenia.ISO-8859-2@Slovenian
Cyrillic	ESSLANG=Bulgarian_Bulgaria.ISO-8859-5@Default ESSLANG=Byelorussian_Belarus.ISO-8859-5@Default ESSLANG=Macedonian_Macedonia.ISO-8859-5@Default ESSLANG=Russian_Russia.ISO-8859-5@Default ESSLANG=CyrillicSerbian_Yugoslavia.ISO-8859-5@Default ESSLANG=Ukrainian_Ukraine.ISO-8859-5@Ukrainian
Arabic	ESSLANG=Arabic_SaudiArabia.ISO-8859-6@Default ESSLANG=Farsi_Iran.ISO-8859-6@Default
Greek	ESSLANG=Greek_Greece.ISO-8859-7@Default
Hebrew	ESSLANG=Hebrew_Israel.ISO-8859-8@Default
Latin-5, Turkish	ESSLANG=Turkish_Turkey.ISO-8859-9@Turkish
Latin-6, Nordic (e.g. Lappish)	
Latin-7, Baltic (e.g. Latvian)	ESSLANG=Estonian_Estonia.ISO-8859-4@Estonian ESSLANG=Latvian_Latvia.ISO-8859-4@Latvian ESSLANG=Lithuanian_Lithuania.ISO-8859-4@Lithuanian
Russian	ESSLANG=Russian_Russia.ISO-8859-5@Default
Ukrainian	ESSLANG=Ukrainian_Ukraine.ISO-8859-5@Ukrainian
Thai	ESSLANG=Thai_Thailand.MS874@Thai
English	ESSLANG=English_UnitedStates.US-ASCII@binary

[Top](#)



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