

Essbase® XTD Administration Services

Release 6.5.3



Installation Guide



Hyperion Solutions Corporation

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Contents

Preface	v
Purpose	v
Audience	v
Document Structure	vi
Where to Find Documentation	vi
Conventions.....	vii
Additional Support	viii
 Chapter 1: Overview	11
About Essbase Administration Services	11
Deploying Essbase Administration Services	12
 Chapter 2: Planning the Installation	17
Installation Overview	17
Verifying Product Contents.....	18
Prerequisites	19
Verifying Your Java Runtime Environment Installation.....	20
Verifying Your XWindows Installation	21
Verifying Requirements	21
Release Compatibility	22
Supported Platforms	23
Administration Server Requirements	24
Administration Services Console Requirements	25

Chapter 3: Upgrading to this Release	27
Upgrade Overview	27
Migrating Administration Services Users	28
Uninstalling Previous Releases.....	29
Chapter 4: Installing Essbase Administration Services	31
Launching the Installers.....	31
Installing Administration Services Software	32
What Happens During Installation	34
Directories Created	35
Documentation Installed	35
Running Administration Server as a Windows Service	36
Installing Administration Server as a Windows Service	37
Verifying That Administration Server Is Running as a Windows Service	37
Stopping the EAS_Server Windows Service	37
Restarting the EAS_Server Windows Service	38
Resetting the EAS_Server Windows Service	39
Removing the EAS_Server Windows Service	39
Uninstalling Administration Services	40
Chapter 5: Starting Essbase Administration Services	43
Starting Administration Services	43
Starting Administration Server	44
Starting Administration Services Console	45
Specifying Communication Ports	46
Specifying Port Values.....	46
Setting Up Users	47
Backing Up User Information	48
Setting Up an SMTP Server	49
Shutting Down Administration Services	50
Closing Administration Services Console	50
Closing Administration Server.....	50
Stopping the Embedded Data Store	50
Configuring Administration Services for Non-English Essbase	50
Index	53

Preface

Welcome to the *Essbase XTD Administration Services Installation Guide*:

- “Purpose” on page v
- “Audience” on page v
- “Document Structure” on page vi
- “Where to Find Documentation” on page vi
- “Conventions” on page vii
- “Additional Support” on page viii

Purpose

This guide provides you with all the information that you need to install Essbase Administration Services and to start it for the first time. It explains the Administration Services deployment options, and contains the concepts, processes, and procedures that you need to install the software.

Audience

This book is for Essbase system administrators who need to install and configure Administration Services software on Windows or UNIX platforms. It also assists Essbase system administrators in deciding how to deploy Administration Services with Essbase OLAP Servers in an enterprise environment.

Document Structure

This document contains the following information:

[Chapter 1, “Overview,”](#) provides an overview of the Administration Services architecture and deployment options.

[Chapter 2, “Planning the Installation,”](#) lists installation prerequisites and system requirements for Administration Services.

[Chapter 3, “Upgrading to this Release,”](#) describes the process for upgrading from previous releases of Administration Services.

[Chapter 4, “Installing Essbase Administration Services,”](#) describes how to install Administration Services.

[Chapter 5, “Starting Essbase Administration Services,”](#) provides procedures for getting started with Administration Services.

[Index](#) contains a list of Administration Services terms and their page references.

Where to Find Documentation

You can access online Administration Services documentation from the following locations:

- The HTML Information Map. To open the Information Map, launch the `launcher.htm` file located in the `/eas` directory after installation.

Note: On Windows platforms, if you chose to add shortcuts to the Start menu during installation, you can also launch the Information Map from the Start menu (Start > Programs > Hyperion Solutions > Essbase Administration Services > EAS Documentation).
- Administration Services Console. From the Help menu, select the online document you would like to view or click the Help button.
- Hyperion Download Center. Download the ZIP file containing the documentation you would like to view.
- The Hyperion Solutions Web site is located at <http://www.hyperion.com>. An Essbase-specific Web site is located at <http://www.essbase.com>.

- To access the documentation from the Hyperion Online Support site:
 1. Go to the Hyperion Online Support site at <http://support.hyperion.com>.
 2. Enter your User Name and Password, and click **Log In**.
If you do not have a User Name and Password, click **Register** to request one.
 3. Click **Software/Documentation**.
 4. Select the product and the information you want to display, then click **Submit**.
 5. Click the link for the release you are looking for.
 6. Click the link of the location nearest you for the file you want to download. If you are presented with a dialog box, select the location to which you want to save the file and click **OK**.

Conventions

This book uses several formatting styles to indicate actions that you should take or types of information that you need. Table i lists each document convention:

Table i: Document Conventions


Example	Description
	Arrows indicate the beginning of a procedure consisting of sequential steps.
Bold	Bold in procedural steps highlights major interface elements.
Ctrl + 0	Keystroke combinations shown with the plus symbol (+) indicate that you should press the first key and hold it while you press the next key. Do not type the + symbol.
Example text	Courier font indicates that the material shown is a code or syntax example. Names of files and directories also appear in this font.
<i>Courier italics</i>	Courier italic text indicates a variable field in command syntax. Substitute a value in place of the variable shown in Courier italics.

Table i: Document Conventions (Continued)

Example	Description
<i>ARBORPATH</i>	This environment variable is set to the directory path of your Essbase installation. The default is C:\Hyperion\Essbase on Windows platforms and /home/hyperion/essbase on Solaris platforms. When you see the environment variable <i>ARBORPATH</i> in italics, substitute the value of <i>ARBORPATH</i> from your site.
EAS_HOME	The directory where you install Essbase Administration Services. By default, Administration Services is installed to <i>ARBORPATH</i> . When you see <i>EAS_HOME</i> in italics, substitute the value of <i>EAS_HOME</i> from your site.
<i>Italics</i>	Titles of books and online help systems appear in <i>italics</i> . Italics also indicate important terms and special emphasis.
Mouse orientation	This document provides examples and procedures using a right-handed mouse. If you use a left-handed mouse, adjust the procedures accordingly.
Menu options	Options in menus are shown in the following format: File > New > Folder

Additional Support

In addition to providing documentation and online help, Hyperion offers the following support for product information:

- “How to Order Printed Documentation” on page ix
- “Education Services” on page ix
- “Consulting Services” on page ix
- “Technical Support” on page x
- “Essbase.com” on page x

How to Order Printed Documentation

To order printed documentation:

- Visit the Hyperion Solutions Web site at <http://www.hyperion.com>.
- In the United States, call Hyperion Solutions Customer Support at 877-901-4975.
- From outside the United States, including Canada, call Hyperion Solutions Customer Support at 203-703-3600. Clients who are not serviced by support from North America should call their local support centers.

Education Services

Hyperion offers a variety of training options, including instructor-led training, custom training, and eTraining. This education covers all Hyperion applications and technologies and is geared to administrators, end users, and information systems (IS) professionals.

Instructor-led training is delivered in formats and in locations suited to Hyperion's diverse, global customers. Hyperion Authorized Training Centers are certified to deliver courses developed by Hyperion. Custom Education Services—training on the configured and tailored applications that employees use on the job—is another option to enhance user productivity and to ensure smooth day-to-day operations. A service called *eTraining*—including computer-based training, Web-based training, and interactive Virtual Classroom training—provides a cost-effective means of giving users a hands-on introduction to product features and functions. Computer-based training (CBT) and Web-based training (WBT) provide high-quality, self-paced training at the user's convenience, regardless of location.

For more information about training, contact your Regional Education Manager or visit the Hyperion Solutions Web site at <http://www.hyperion.com> to see a list of all training classes.

Consulting Services

Hyperion Consulting Services assists customers in maximizing the use of, and the return on investment in, Hyperion products. Experienced Hyperion consultants and Hyperion Alliance Partners assist organizations in tailoring solutions to their particular requirements, such as reporting, analysis, modeling, and planning. Specific services include implementation consulting, custom business solutions, data integration, and technical consulting. Additionally, Hyperion offers a variety of Services Packages and Reviews.

For more information about Consulting Services, Services Packages and Reviews, as well as the services offered by Alliance Partners, contact your local consulting services representative, or visit the Hyperion Solutions Web site at <http://www.hyperion.com> to see a list of all Hyperion Alliance Partners.

Technical Support

Hyperion provides Web-based and telephone support to ensure that clients resolve product issues quickly and accurately. This support is available for all Hyperion products at no additional cost to clients with a current maintenance agreement.

- For Web-based support, or to see complete information on available support options, visit the Hyperion Solutions Web site at <http://www.hyperion.com>.
- In the United States, call 877-901-4975 for Hyperion Solutions Customer Support.
- From outside the United States, including Canada, call Hyperion Solutions Customer Support at 203-703-3600. Clients who are not serviced by support from North America should call their local support centers.

Essbase.com

Essbase.com is your one-stop community destination for all things Hyperion Essbase. Visit <http://www.essbase.com> to accomplish these goals:

- Read the latest news, press releases, and product reviews about Hyperion Essbase and learn how companies like yours use Hyperion Essbase everyday to solve problems, spot opportunities, and improve business performance
- Join an online discussion forum and communicate with other Hyperion Essbase users, developers, professionals, and evaluators
- Find information about product releases such as Hyperion Essbase and Analysis Tools, including Hyperion Analyzer, Hyperion Analysis Portal, Hyperion Application Builder, and Hyperion Objects
- Download Hyperion Essbase Add-ons/Modules and non-Hyperion supported third-party utilities that can be used with Hyperion Essbase
- Access the Support Library which provides a wealth of information to help you maximize your Hyperion Essbase implementation

This chapter introduces you to Essbase Administration Services and explains how to deploy this new Essbase administration tool.

- “About Essbase Administration Services” on page 11
- “Deploying Essbase Administration Services” on page 12

About Essbase Administration Services

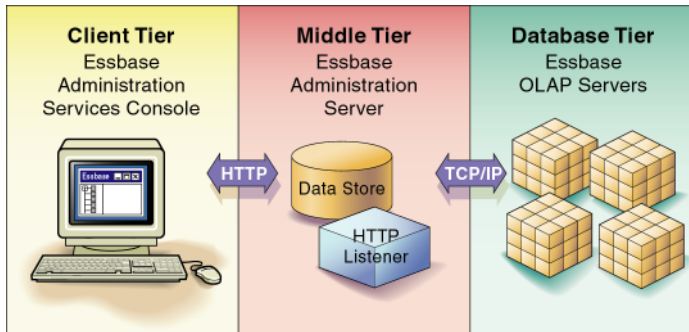
Essbase Administration Services is the new cross-platform framework for managing and maintaining Essbase. Administration Services provides a single point of access for viewing, managing, and maintaining OLAP Servers, applications, and databases. This new product incorporates the functionality of Essbase Application Manager along with other new administrative features and with Essbase administration tools, such as MaxL.

Administration Services consists of two components:

- Administration Services Console (client tier)
This component is a Java client console that enables administrators to manage the Essbase environment from a robust graphical user interface.
- Administration Server (middle tier)
This component is a Java based web application server that communicates with both Administration Services Console and Essbase OLAP Servers. Administration Server maintains communication and session information for each connection to OLAP Servers. Administration Server also stores documentation files so that console users can access the documentation without having to install it locally.

Administration Server serves as the middle tier between Administration Services Console and Essbase OLAP Servers, as shown in [Figure 1](#).

Figure 1: Essbase Administration Services Architecture



These three tiers can be installed on different computers or platforms. For more information, see [“Deploying Essbase Administration Services.”](#)

Deploying Essbase Administration Services

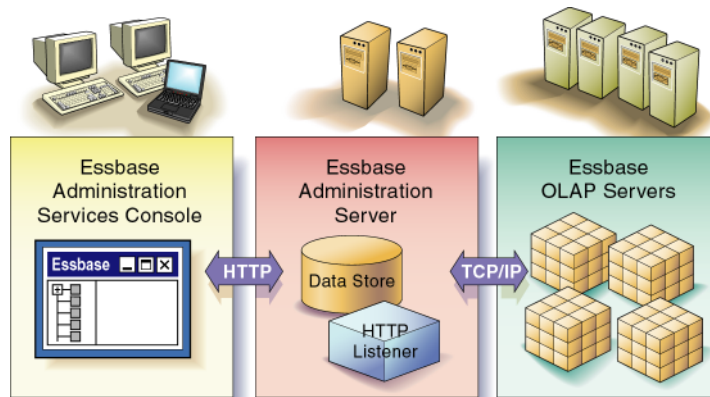
You can install Administration Services on the same computer as OLAP Server or on a different computer, in various configurations. For example, you can install OLAP Server on a computer running UNIX and install Administration Server and Administration Services Console on a computer running Windows. You can also install Administration Server and Administration Services Console on separate computers and platforms. For a list of supported platforms, see [“Supported Platforms”](#) on page 23.

Essbase components can be installed in many available deployment scenarios. The best configuration depends on your organizational requirements and on which release of OLAP Server you are using. Here are a few deployment scenarios to consider:

- Administration Server on one computer, OLAP Server on a separate computer, Administration Services Console on one or more client computers, as shown in [Figure 2](#)

You can also have multiple Administration Server computers and multiple OLAP Server computers and each computer can run on a different OS platform. Consider this configuration if you have multiple administrators working with large outlines and your Essbase server has limited resources, or if you will be administering large outlines during heavy Essbase usage such as querying or building cubes.

Figure 2: Multiple Servers, Multiple Clients

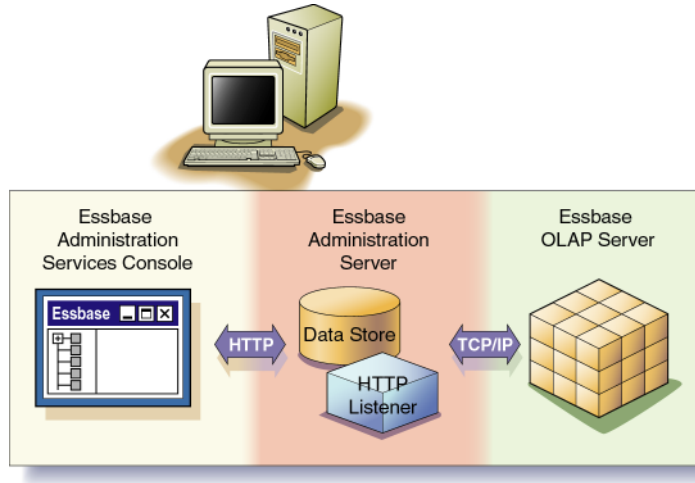


Note: The computer hosting Administration Server needs, at a minimum, Essbase Runtime Client Release 6.5.3 files to connect to and communicate with OLAP Server. For more information, see [“Prerequisites”](#) on page 19.

- Everything on one computer, as shown in [Figure 3](#)

Consider this configuration if you have limited resources or if you need to administer Essbase from the computer hosting OLAP Server.

Figure 3: Single-Computer Deployment

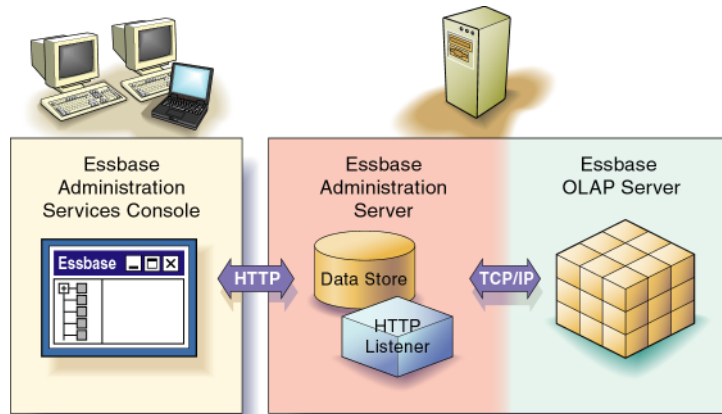


Note: Do not use this configuration if you are using OLAP Server Release 6.2. OLAP Server Release 6.2 cannot be installed on the same computer as Administration Server. For more information, see [“Prerequisites”](#) on page 19.

- Servers on one computer, Administration Services Console on one or more client computers, as shown in [Figure 4](#)

Each computer can run on a different OS platform. Consider this configuration if you have limited resources but need to administer Essbase from multiple locations.

Figure 4: Single-Server Computer, Multiple Clients



Note: Do not use this configuration if you are using OLAP Server Release 6.2. OLAP Server Release 6.2 cannot be installed on the same computer as Administration Server. For more information, see ["Prerequisites"](#) on page 19.

This chapter provides an overview of the installation process and specifies the hardware, operating system, and software requirements for Essbase Administration Services.

- “Installation Overview” on page 17
- “Verifying Product Contents” on page 18
- “Prerequisites” on page 19
- “Verifying Requirements” on page 21

Installation Overview

Use the following process to install Administration Services and to set up users:

1. Install a supported release of Essbase OLAP Server.
See “Release Compatibility” on page 22.
2. Get ready to install Administration Services:
 - Verify that you have all of the necessary software and documentation. See “Verifying Product Contents” on page 18.
 - Decide how you want to deploy Administration Services. You can install Administration Services on a different computer or platform than Essbase OLAP Server. For more information on deployment, see “Deploying Essbase Administration Services” on page 12.
 - Ensure that you have met the installation prerequisites as described in “Prerequisites” on page 19.
 - Confirm that your platform is supported by Administration Services and that system requirements are met for the computer on which you are installing. See “Verifying Requirements” on page 21.

3. Install Administration Services.
For more information, see “Installing Essbase Administration Services” on page 31.
4. **Optional:** Migrate users from a previous release of Administration Services.
For more information, see “Migrating Administration Services Users” on page 28.
5. Start Administration Services.
For more information, see “Starting Administration Services” on page 43.
6. Set up Administration Services users.
For more information, see “Setting Up Users” on page 47.
7. Make a backup copy of the database used to store Administration Services user information.
For more information, see “Backing Up User Information” on page 48.
8. Specify an outgoing mail (SMTP) server on the Administration Server computer.
For more information, see “Setting Up an SMTP Server” on page 49.

Verifying Product Contents

Before you install Administration Services, confirm that you have all the necessary product components:

- The appropriate self-extracting download files from Hyperion Download Center or the CD
- This book, the *Essbase XTD Administration Services Installation Guide*
- The *Essbase XTD Administration Services Installation Checklist*
- The *Essbase XTD Administration Services Readme File*
- The *Hyperion Essbase XTD Installation Guide*

Prerequisites

Before installing Administration Services, make sure that you have met the following prerequisites so that Administration Services works properly:

- Install a supported release of Essbase OLAP Server. See [“Release Compatibility”](#) on page 22.

If you plan to use Administration Services to manage Essbase OLAP Server Release 6.2, you must install OLAP Server and Administration Server on separate computers.

If you already have OLAP Server Release 6.5 installed, you need to upgrade it to Release 6.5.1 or higher before installing Administration Services. To install the 6.5.1 or higher software, see the *Hyperion Essbase Installation Guide*.

Note: Administration Services does not support multiple OLAP Servers running on different port numbers. All OLAP Servers you connect to through Administration Services must be running on the same port. If you have changed the default port for an OLAP Server in the `essbase.cfg` file, you need to change all OLAP Server ports to use that port number. You must change the port number in the `essbase.cfg` file on the OLAP Server computer (in `ARBORPATH/bin`) and in the `essbase.cfg` file on the Administration Server computer (in `ARBORPATH/bin`). If an OLAP Server is installed on the same computer as the Administration Server, the `essbase.cfg` file is the same and only needs to be changed once. For more information, see the *Essbase Administration Services Online Help*.

- The computer hosting Administration Server needs, at a minimum, Essbase Runtime Client Release 6.5.3 files to connect to and to communicate with Essbase OLAP Server. To launch the latest Runtime Client installer, see the *Hyperion Essbase Installation Guide*.

If you have already installed OLAP Server Release 6.5.3 on the computer on which you are installing Administration Server, Runtime Client is included in that installation.

- Make sure that the `ARBORPATH` environment variable is set. `ARBORPATH` specifies the root installation directory for Essbase OLAP Server or Runtime Client (for example, `c:\hyperion\essbase`). Because the computer hosting Administration Server requires, at a minimum, Release 6.5.3 Runtime Client files to work properly, an Essbase installation directory must already exist on that computer.

If you attempt to install Administration Server on a computer that does not have the `ARBORPATH` environment variable set, the installation will not complete properly. For information about how to set the `ARBORPATH` variable, see the *Hyperion Essbase Installation Guide*.

- On AIX and HP-UX platforms, make sure that Java Runtime Environment version 1.3.1 is installed before you launch the Essbase Administration Services installer program. For more information, see [“Verifying Your Java Runtime Environment Installation” on page 20](#).
- On UNIX platforms, make sure that XWindows is installed and that there is an XWindows session established from the UNIX terminal where users interact with Administration Services to the UNIX server where Administration Services is executed. For more information, see [“Verifying Your XWindows Installation” on page 21](#).
- An embedded data store used for persistent storage of user information is installed automatically with Administration Server. The default port used to communicate with this data store is 3306. This port must be available when you start Administration Server. For more information about this data store, see [“What Happens During Installation” on page 34](#).

Verifying Your Java Runtime Environment Installation

AIX and HP-UX platforms require that Java Runtime Environment (JRE) version 1.3.1 is installed before you launch the Essbase Administration Services installer program.

- To verify if JRE version 1.3.1 is installed, execute `java -version`.

If JRE 1.3.1 is installed properly, you will see `java version "1.3.1"`. Otherwise, ensure that java version 1.3.1 is on the `PATH` system variable. If multiple instances of JRE are installed, version 1.3.1 must be the first JRE appearing in the `PATH`.

Verifying Your XWindows Installation

All UNIX platforms require that XWindows is installed and that there is an XWindows session established from the UNIX terminal where users interact with Administration Services to the UNIX server where Administration Services is executed.

- To ensure an XWindows session is established properly:
 1. Run the `xterm` XWindows terminal application, which is included in the standard UNIX XWindows package.
 2. If you see the following error message:

```
"xterm Xt error: Can't open display:"
```

This means the XWindows session is not established properly. To troubleshoot, proceed to the next step.
 3. Type `echo $DISPLAY`.

Ensure the `$DISPLAY` system variable is set up and points to the UNIX terminal display where users interact with Administration Services.

For more information about setting up the XWindows environment, see the UNIX system administration guide.

Verifying Requirements

Use the following tables to verify that this release of Administration Services supports the platforms where you plan to install Administration Services.

Release Compatibility

Table 1 lists the Essbase OLAP Server releases that work with this release of Administration Services:

Table 1: Supported Essbase OLAP Server Releases

Essbase OLAP Server	Deployment Options
Release 6.2 ¹	<ul style="list-style-type: none">• Must be installed on a different computer from Administration Server• May be installed on the same computer as Administration Services Console
Release 6.5.1	May be installed on the same computer as Administration Server or Administration Services Console
Release 6.5.2 (Linux platform release for OLAP Server)	Must be installed on a different computer from Administration Server or Administration Services Console since Linux is not yet supported as a platform for Administration Services
Release 6.5.3	May be installed on the same computer as Administration Server or Administration Services Console

¹ Although you can use Administration Services Release 6.5.1 or higher to connect to a Release 6.2 OLAP Server, you cannot use the features introduced in OLAP Server Release 6.5.1 or higher. For example, you cannot set the direct/buffered I/O mode at the database level using Administration Services 6.5.1 if you are connecting to a 6.2 OLAP Server, because the ability to set the I/O mode at the database level first became available with the 6.5 OLAP Server.

When you upgrade to a new release of Administration Services, you must upgrade both the Administration Server and Administration Services Console. For more release compatibility information, see the *Essbase Administration Services Online Help*.

Note: Administration Services does not support multiple OLAP Servers running on different port numbers. All OLAP Servers you connect to through Administration Services must be running on the same port. If you have changed the default port for an OLAP Server in the `essbase.cfg` file, you need to change all OLAP Server ports to use that port number. You must change the port numbers in the `essbase.cfg` file on the OLAP Server computer (in `ARBORPATH/bin`) and in the `essbase.cfg` file on the Administration Server computer (in `ARBORPATH/bin`). If an OLAP Server is installed on the same computer as the Administration Server, the `essbase.cfg` file is the same and only needs to be changed once. For more information, see *Essbase Administration Services Online Help*.

Supported Platforms

Table 2 lists the supported platforms for this release of Administration Services:

Table 2: Administration Services Supported Platforms

Platforms	Supported Versions
AIX	4.3.3 or 5L on RS 6000 PowerPC computers
HP-UX	11.0 and 11i on PA-RISC computers
Linux	Red Hat Linux 7.3 for Intel
Solaris	7 and 8 (SUN OS 5.7 and 5.8) on Sun SPARC or ULTRASPARC computers
Windows	<ul style="list-style-type: none"> Windows XP Windows 2000 Windows NT 4.0 Windows 98 SE Windows ME

Administration Server Requirements

Table 3 lists the system requirements for Administration Server.

Table 3: Administration Server System Requirements

Component	Requirement
Essbase Runtime Client Release 6.5.3	Not required if Essbase OLAP Server Release 6.5.3 is already installed on the same computer
Disk space	90 MB minimum (includes documentation files and Java Runtime Environment Version 1.3.1)
RAM	64 MB minimum 128 MB recommended
Network protocol	TCP/IP
Java platform ¹	Java Runtime Environment Version 1.3.1 ²

¹ During installation on Windows and Solaris, you can choose between installing Java Runtime Environment (JRE) or using an existing installation of JRE. If you choose to use an existing installation, make sure that you choose a Version 1.3.1 JRE installation. For Solaris, make sure that your operating system has the required patches to support JRE Version 1.3.1, even if you choose to install JRE 1.3.1 during installation. For more information, refer to the vendor support site for your operating system.

² On AIX and HP-UX platforms, make sure that Java Runtime Environment version 1.3.1 is installed before you launch the Essbase Administration Services installer program. For more information, see [“Verifying Your Java Runtime Environment Installation” on page 20](#).

Administration Services Console Requirements

Table 4 lists the system requirements for Administration Services Console.

Table 4: Administration Services Console System Requirements

Component	Requirement
Disk space	30 MB minimum (includes Java Runtime Environment Version 1.3.1)
RAM	32 MB minimum 64 MB recommended
Network protocol	TCP/IP
Java platform ¹	Java Runtime Environment Version 1.3.1 ²
Screen resolution	800 x 600

¹ During installation on Windows and Solaris, you can choose between installing Java Runtime Environment (JRE) or using an existing installation of JRE. If you choose to use an existing installation, make sure that you choose a Version 1.3.1 JRE installation. For Solaris, make sure that your operating system has the required patches to support JRE Version 1.3.1, even if you choose to install JRE 1.3.1 during installation. For more information, refer to the vendor support site for your operating system.

² On AIX and HP-UX platforms, make sure that Java Runtime Environment version 1.3.1 is installed before you launch the Essbase Administration Services installer program. For more information, see [“Verifying Your Java Runtime Environment Installation” on page 20](#).

This chapter describes the process for upgrading from a previous release of Essbase Administration Services to this release.

- “Upgrade Overview” on page 27
- “Migrating Administration Services Users” on page 28
- “Uninstalling Previous Releases” on page 29

Upgrade Overview

Use the following process to upgrade from a previous release of Administration Services to this release:

1. Verify that you have all the necessary software and documentation for this release.

For a list of product components, see “[Verifying Product Contents](#)” on page 18.

2. Decide how you want to deploy Administration Services.

You can install Administration Services on a different computer or platform than Essbase OLAP Server. For deployment options, see “[Deploying Essbase Administration Services](#)” on page 12.

3. Ensure that you have met the prerequisites as described in “[Prerequisites](#)” on page 19.

4. Confirm that your platform is supported by Administration Services and that system requirements are met for the computer on which you are installing.

For more information, see [“Verifying Requirements” on page 21](#).

5. **Optional:** Uninstall the previous release of Administration Services.

For more information, see [“Uninstalling Previous Releases” on page 29](#).

6. Install Administration Services.

For more information, see [“Installing Essbase Administration Services” on page 31](#).

7. **Optional:** Migrate users from a previous release of Administration Services.

For more information, see [“Migrating Administration Services Users” on page 28](#).

8. Specify an outgoing mail (SMTP) server on the Administration Server computer.

For more information, see [“Setting Up an SMTP Server” on page 49](#).

Migrating Administration Services Users

If you want to retain the Administration Services users you have created in a previous release, you need to manually migrate these users to the new release.

If you did not install this release of Administration Services to the same directory as the previous release, you first need to copy certain files from the previous installation directory before migrating users.

- To migrate Administration Services users to this release:

1. If you did not install this release of Administration Services to the same directory as the previous release, copy the following files from *EAS_HOME/eas/server/dbms* in the previous installation directory to the same location in the new installation directory:

```
eas$1.wal  
eas.dbn
```

2. Run the migration utility:

- On Windows platforms, launch

`EAS_HOME\eas\server\dbms\exportdb.exe`

- On UNIX platforms, launch

`EAS_HOME/eas/server/dbms/exportdb`

Administration Services creates an export file (`export.xml`) in the same directory (`EAS_HOME/eas/server/dbms`).

3. Start Administration Server. For more information, see [“Starting Administration Server” on page 44](#).**4. From the Essbase Administration Server window, select Actions > Import database from file.****5. In the Import Database dialog box, navigate to the location of the export file** (`EAS_HOME/eas/server/dbms`).**6. Select the export file** (`export.xml`), and click **Import**.

User information from the previous release is migrated to the new release. Existing users are not overwritten. The user information for the default administrator account is not migrated.

When you next start Administration Services Console, the users from the previous release are displayed in Enterprise View.

Note: Custom views associated with each user are not retained after migration. Log Analyzer data is also not migrated.

Uninstalling Previous Releases

If you have a previous release of Administration Services already installed and you would like to uninstall it, we recommend that you uninstall it *before* installing this release. It is not required, however, that you uninstall previous releases before installing the new release.

You must manually migrate your Administration Services users from a previous release to this release. See [“Migrating Administration Services Users”](#) on page 28.

For uninstallation procedures, see [“Uninstalling Administration Services”](#) on page 40.

CAUTION: To avoid Java Virtual Machine errors, always uninstall Administration Services *before* you uninstall Essbase OLAP Server.

Installing Essbase Administration Services

This chapter provides instructions for installing Administration Services and describes what happens during the installation process. It includes the following topics:

- “Launching the Installers” on page 31
- “Installing Administration Services Software” on page 32
- “What Happens During Installation” on page 34
- “Running Administration Server as a Windows Service” on page 36
- “Uninstalling Administration Services” on page 40

Before you begin installation, read and follow the instructions outlined in Chapter 2, “Planning the Installation.”

Launching the Installers

Before installing Administration Services, decide which software installation format you will use. You can install from files that you have downloaded from Hyperion Download Center, from a CD, or from installable files on a network drive.

- To launch the Administration Services installer program from the appropriate self-extracting download file from the Hyperion Download Center:
 1. Log in to the Hyperion Download Center.
 2. Select the product from the list provided.
 3. Download the Start Here document for instructions on downloading the installer program files.

- To launch the Administration Services installer program from the `eas` directory on the CD:
 1. Navigate to the `eas` directory on the CD.
 2. Run the installer program for your platform.

Table 5: Administration Services Installer Programs by Platform

Platform	Directory	Installer Program
AIX	<code>aix</code>	<code>eas653_aix.bin</code>
HP-UX	<code>hpux</code>	<code>eas653_hpux.bin</code>
Solaris	<code>solaris</code>	<code>eas653_solaris.bin</code>
Windows	<code>win32</code>	<code>eas653_nt.exe</code>

- To launch the Administration Services installer from a network location:
 1. Navigate to the network folder where the installable file resides.
 2. Run the applicable Administration Services installer program for your platform.

See [Table 5](#) for a list of installer programs by platform.

Installing Administration Services Software

Administration Services provides a cross-platform installer program for both Windows and UNIX platforms. You can access the installer program from the appropriate self-extracting download files at Hyperion Download Center or from CD. To make the installer program available to others without the CD, download the program to a network.

Note: You can leave OLAP Server running while installing Administration Services.

- To install Administration Services:
 1. Verify that all prerequisites and system requirements are met. For more information, see [“Planning the Installation” on page 17](#).
 2. Launch the applicable installer program for the Administration Services software. See [“Launching the Installers” on page 31](#) for more information.

3. Follow the installation prompts, keeping in mind the following information:

- You can choose to perform a complete Administration Services installation, or you can install Administration Server and Administration Services Console components separately.
- You can install Administration Services to any directory. The default directory is ARBORPATH. For more information, see [“Prerequisites” on page 19](#).
- Administration Services requires a Java Virtual Machine that supports Java Runtime Environment (JRE) Version 1.3.1. You will be prompted to either install a Java Virtual Machine specifically for Administration Services, or to use an existing installation of a Java Virtual Machine. To find an existing installation of a Java Virtual Machine on your system:
 - Click **Search for Others** to perform an automatic search.
 - Click **Choose Another** to perform a manual search.

Note: Choose a Java Virtual Machine that supports Java Runtime Environment Version 1.3.1.

- On Windows platforms, you can install Administration Server as a Windows service. For more information, see [“Running Administration Server as a Windows Service” on page 36](#).

After the installation has been completed, you can start Administration Services and create users. See [“Starting Essbase Administration Services” on page 43](#).

Note: To make the installer program available to others, copy the `eas` directory from the CD to a network. Other users can then launch the appropriate installer file, as described previously.

What Happens During Installation

During installation, the Administration Services installer program performs the following operations:

- Creates several new directories and subdirectories on the hard drive:

By default, the installer program installs the Administration Services software to *ARBORPATH*, where *ARBORPATH* is the directory in which you installed Essbase (for example, *c:\hyperion\essbase*). But since you can install Administration Services to any directory, we refer to this directory later as *EAS_HOME*.

For a listing of the Administration Services directories created and an explanation of their contents, see [Table 6 on page 35](#).

- Installs an embedded data store (MySQL) used for persistent storage of Administration Services user information. On Windows platforms, this database is installed automatically as a Windows Service. You can view information about this data store on the Data Storage tab of the Essbase Administration Server window.

For information about backing up this data store, see [“Backing Up User Information” on page 48](#). For information about how this data store runs with Administration Server, see [“Starting Administration Server” on page 44](#).

- Installs Java Runtime Environment (JRE) version 1.3.1, unless you specify an existing JRE installation.

For more information, see [“Verifying Requirements” on page 21](#).

- Installs documentation files to the following location on the computer hosting Administration Server:

```
EAS_HOME\eas\server\tomcat\webapps\root\easdocs
```

- Adds shortcuts to the Windows Start menu or to the UNIX */home* directory (optional during installation).
- Installs programs for uninstalling Administration Services in the following directories:

```
EAS_HOME\Uninstall_eas_console_65
EAS_HOME\Uninstall_eas_server_65
```

Note: The Administration Services installation does not create or modify any environment variables on your system.

Directories Created

Table 6 lists the directory structure that the installer program creates for a complete (server and console) installation. All Administration Services software is installed, by default, to *ARBORPATH*.

Note: The directory where you install Administration Services is referred to as the *EAS_HOME* directory.

Table 6: Directories Created During Complete Installation

Directory Structure	Description
<i>EAS_HOME</i> \eas\console	
bin	Executable files for Administration Services Console
lib	Java class files
<i>EAS_HOME</i> \eas\java	
bin	Executable files for Java
lib	Java class files
<i>EAS_HOME</i> \eas\server	
bin	Executable files for Administration Server
dbms	Embedded data store for persistent storage of Administration Server user and session information
lib	Java class files
tomcat	HTTP listener files ¹ and documentation files

¹ Apache Tomcat Server is installed automatically on all platforms. If you are already running another J2EE-compliant engine and understand how servlets are deployed, you can move the Essbase Administration Services servlet to your own server. Hyperion, however, does not support this configuration.

Documentation Installed

Documentation files are installed to Administration Server so that all console users can access documentation from Administration Services Console without needing to install it locally.

All documentation components can be launched from the Administration Services Information Map.

- To launch the Information Map in a Web browser, navigate to the `EAS_HOME\eas` directory and double-click the `launcher.htm` file.

Note: On Windows platforms, if you chose to add shortcuts to the Start menu during installation, you can also launch the Information Map from the Start menu. Select **Start > Programs > Hyperion Solutions > Essbase Administration Services > EAS Documentation**.

Browser Limitations

The *Essbase Administration Services Online Help* can be viewed in Internet Explorer (version 5.0 or later) or Netscape Navigator (version 4.0 or later). Certain features of the help system, however, are not supported by Netscape Navigator or by earlier versions of Internet Explorer. For best results, view the online help in a recent version of Internet Explorer.

On UNIX platforms, if you use Netscape Navigator to view the help system, you must open Netscape *before* you attempt to launch the help system from the Help menu in Administration Services Console.

Running Administration Server as a Windows Service

Running Administration Server as a service enables you to start and stop Administration Server from the Windows Control Panel. Running Administration Server as an automatic service starts Administration Server as a service when you start Windows. This section contains the following topics:

- “Installing Administration Server as a Windows Service” on page 37
- “Verifying That Administration Server Is Running as a Windows Service” on page 37
- “Stopping the EAS_Server Windows Service” on page 37
- “Restarting the EAS_Server Windows Service” on page 38
- “Resetting the EAS_Server Windows Service” on page 39
- “Removing the EAS_Server Windows Service” on page 39

Installing Administration Server as a Windows Service

- To install Administration Server as a Windows service:
 1. Select “Yes” when prompted to install Administration Server as a Windows service during the Administration Services installation.
 2. After installing Administration Services, reboot the Windows server.

Verifying That Administration Server Is Running as a Windows Service

- To verify that Administration Server is running as an automatic Windows service after you reboot:
 1. Select **Start > Settings > Control Panel**.
 2. Open the **Services** window.
 - On Windows NT, double-click **Services**.
 - On Windows 2000, double-click **Administrative Tools**, then double-click **Services**.

You will see EAS_Server in the list of services. The **Startup** (or **Startup Type**) field for EAS_Server should say **Automatic**, and the **Status** field will say **Started**.

Note: If the **Startup** field is blank or if it says Disabled or Manual, see [“Resetting the EAS_Server Windows Service”](#) on page 39.

Stopping the EAS_Server Windows Service

- To stop the EAS_Server Windows service:
 1. Select **Start > Settings > Control Panel**.
 2. Open the **Services** window.
 - On Windows NT, double-click **Services**.
 - On Windows 2000, double-click **Administrative Tools**, then double-click **Services**.

The **Services** window is displayed. EAS_Server is listed in the list of services.

3. Highlight, but do not double-click, EAS_Server.
4. Stop the service.

- On Windows NT, click **Stop**.
- On Windows 2000, select **Action > Stop**.

The **Service Control** message box is displayed briefly then disappears. When it is gone, the **Status** field for EAS_Server is blank.

Restarting the EAS_Server Windows Service

If you stop the EAS_Server Windows service, you can start it again from the Services dialog box of the Control Panel.

- To restart the EAS_Server Windows service:

1. Select **Start > Settings > Control Panel**.
2. Open the **Services** window.
 - On Windows NT, double-click **Services**.
 - On Windows 2000, double-click **Administrative Tools**, then double-click **Services**.

The **Services** window is displayed. EAS_Server is listed in the list of services.

3. Highlight, but do not double-click, EAS_Server.
4. Start the EAS_Server Windows service.

- On Windows NT, click **Start**.
- On Windows 2000, select **Action > Start**.

The Service Control message box is displayed briefly then disappears when the **Status** field for EAS_Server is Started.

Resetting the EAS_Server Windows Service

When you install Administration Server as a Windows service, it is listed as EAS_Server in the list of services. If, however, someone disables it or sets it to manual startup, you can reset the EAS_Server to start automatically.

➤ To reset the EAS_Server to start automatically:

1. Select **Start > Settings > Control Panel**.
2. Open the **Services** window.
 - On Windows NT, double-click **Services**.
 - On Windows 2000, double-click **Administrative Tools**, then double-click **Services**.

The **Services** window is displayed. Find EAS_Server in the list of services.

3. Double-click EAS_Server.
4. Set the service to log on automatically as a system account.

On Windows NT:

- a. In the **Services** dialog box, click **Automatic**.
- b. Under the **Log On As** section, select System Account.

On Windows 2000:

- a. In the **EAS_Server Properties** dialog box, select **Automatic** from the **Startup type** drop-down list box.
- b. In the **Log On** tab, select **Local System account**.

Removing the EAS_Server Windows Service

➤ To remove the Administration Server as a Windows service:

1. Stop the EAS_Server Windows service.

For more information, see “[Stopping the EAS_Server Windows Service](#)” on page 37.

2. From a command prompt, navigate to the following directory:

```
EAS_HOME\eas\server\bin
```

3. Run the following command:

```
remove_service.bat
```

A message is displayed in the command prompt window indicating that the service has been removed.

Uninstalling Administration Services

Administration Services provides separate uninstaller programs for Administration Server and Administration Services Console components on all platforms.

CAUTION: To avoid Java Virtual Machine errors, always uninstall Administration Services *before* you uninstall Hyperion Essbase.

- To uninstall Administration Services:

1. If you are uninstalling Administration Server and you installed Administration Server as a Windows service, remove the EAS_Server Windows service.

For more information, see [“Removing the EAS_Server Windows Service” on page 39](#).

2. Stop all instances of Administration Server and Administration Services Console.
3. On Windows platforms, stop the MySQL service. See [“Stopping the Embedded Data Store” on page 50](#).

MySQL is the embedded data store used for persistent storage of Administration Services user information.

4. Launch the uninstaller program for your platform.

Table 7: Administration Services Uninstaller Programs by Component

Component	Platform	Uninstaller Program
Administration Services Console	UNIX	<code>EAS_HOME/Uninstall_eas_console_65/Uninstall_eas_console</code>
	Windows	<code>EAS_HOME\Uninstall_eas_console_65\Uninstall_eas_console.exe</code>
Administration Server	UNIX	<code>EAS_HOME/Uninstall_eas_server_65/Uninstall_eas_server</code>
	Windows	<code>EAS_HOME\Uninstall_eas_server_65\Uninstall_eas_server.exe</code>

5. Follow the uninstallation prompts.

Note: On Windows platforms, you can also uninstall from the Control Panel (Add/Remove Programs).

Starting Essbase Administration Services

This chapter describes how to start and stop Administration Services and provides the access information that you will need to connect for the first time.

- “Starting Administration Services” on page 43
- “Specifying Communication Ports” on page 46
- “Setting Up Users” on page 47
- “Backing Up User Information” on page 48
- “Setting Up an SMTP Server” on page 49
- “Shutting Down Administration Services” on page 50
- “Configuring Administration Services for Non-English Essbase” on page 50

Starting Administration Services

After you install Administration Services and start Essbase OLAP Server, start Administration Server and Administration Services Console. The following instructions assume that you have the `ARBORPATH` environment variable set. For more information, see “Prerequisites” on page 19.

Note: For troubleshooting information about starting Administration Services, see the `eas_readme.htm` file in the `EAS_HOME/eas` directory.

For more information about how connections to OLAP Servers are established and how ports are established, see the *Essbase Administration Services Online Help*.

Starting Administration Server

Note: If Administration Server is installed as a Windows service, you will not be able to start it again manually. This is because the default port number is already in use by the Windows service. If you try to start Administration Server again manually, you will be prompted to substitute an available port number. For more information, see [“Specifying Communication Ports” on page 46](#).

When you start Administration Server, the embedded data store used for persistent storage of user information is also started. On Windows platforms, the data store runs as a Windows service. On UNIX platforms, the data store runs in the background. For information about stopping the data store, see [“Stopping the Embedded Data Store” on page 50](#).

The standard port used to communicate with the embedded data store installed with Administration Server is 3306. This port must be available when you start Administration Server. For more information, see [“What Happens During Installation” on page 34](#).

► To start Administration Server manually, launch one of the following files:

- On Windows platforms, launch

`EAS_HOME\eas\server\bin\adminsvr.exe`

Note: If you chose to add shortcuts to the Start menu during installation, you can also start Administration Server from the Start menu (**Start > Programs > Hyperion Solutions > Essbase Administration Services > Administration Server**).

- On UNIX platforms, launch

`EAS_HOME/eas/server/bin/startEAS`

When Administration Server starts, a Java console window is displayed.

Starting Administration Services Console

► To start Administration Services Console:

1. Launch one of the following files:

- On Windows platforms, launch

`EAS_HOME\eas\console\bin\admincon.exe`

Note: If you chose to add shortcuts to the Start menu during installation, you can also start Administration Services Console from the Start menu (**Start > Programs > Hyperion Solutions > Essbase Administration Services > Administration Console**).

- On UNIX platforms, launch

`EAS_HOME/eas/console/bin/admincon`

When Administration Services Console starts properly, the **Essbase Administration Services Login** dialog box is displayed.

2. In the **Essbase Administration Services Login** dialog box perform these steps:

- a. Enter the Administration Server name.

This is the name of the computer on which you installed Administration Server.

- b. Enter your Administration Server username.

If you do not have this information, contact the Administration Services administrator. If you are connecting for the first time after installation, use the default username, **admin**.

- c. Enter your Administration Server password.

If you do not have this information, contact the Administration Services administrator. If you are connecting for the first time after installation, use the default password, **password**.

The console is displayed with Enterprise View in the left frame and a blank workspace in the right frame. If you are starting Administration Services for the first time, the User Setup Wizard is displayed. For more information, see “Setting Up Users” on page 47.

Specifying Communication Ports

Administration Services provides four configurable communication ports:

- The Essbase Administration Server port listens to commands from Administration Services Console. This port is established when Administration Server is started and is released when Administration Server is shut down. The default port number is 9001.
- The EAS Agent port is used by the Administration Server agent, which handles startup and shut down commands for Administration Server. The port is established when you launch the Essbase Administration Server agent window and remains in use even if you shut down Administration Server; the port is released when you close the agent window. The default port number is 9005.
- The Tomcat-Apache connector port is used to connect Apache with Tomcat as its servlet container. The port is established when Administration Server is started and is released when Administration Server is shut down. The default port number is 9008.
- The Apache connector port is used to connect Essbase Administration Server with the standard Apache Web server. The port is established when Administration Server is started and is released when Administration Server is shut down. The default port number is 9009.

If a default port is already in use, you need to specify another port value. See [“Specifying Port Values” on page 46](#).

Specifying Port Values

- To change a default port used by Administration Services:

1. Start Administration Server.

For more information, see [“Starting Administration Server” on page 44](#).

Note: On Windows platforms, if you are running Administration Server as a Windows service, stop the EAS_Server Windows service and start Administration Server manually. For more information, see [“Stopping the EAS_Server Windows Service” on page 37](#).

2. In the Essbase Administration Server window, select the **Configuration** tab.

3. In the **Port usage** area, enter a different value for the appropriate port.
4. Select **Actions > Update**.
5. Select **Server > Exit** to close Administration Server.
6. Restart Administration Server.

For more information, see [“Starting Administration Server” on page 44](#).

You must restart the server for the port settings to take effect.

Note: To restart the EAS_Server Windows service, see [“Restarting the EAS_Server Windows Service” on page 38](#).

7. If you have changed the port setting for the Essbase Administration Server port, you may also need to specify a port value after the Administration Server name (for example, AdminServerName:9002).

Setting Up Users

Before other users can begin using Administration Services to manage Essbase, you need to add users to Administration Server and populate each user’s Enterprise View with the appropriate OLAP Servers.

- To add users to Administration Server and populate each user’s Enterprise View:

1. From the Administration Services Console window, launch the User Setup Wizard by selecting **Wizards > User Setup Wizard**.
2. In the User Setup Wizard, follow the prompts to set up users for Administration Services, keeping in mind the following factors:
 - If you connected using the default administrator information, change the password for the administrator account.
 - If you need help while using the User Setup Wizard, click **Help**.

Note: Users can also edit their own list of servers using the User Setup Wizard.

Backing Up User Information

After you create Administration Services users, you should back up the embedded database used to store user information. To do this, you can export the database to an XML file that can be imported should you need to restore user information.

► To back up user information:

1. Start Administration Server.

For more information, see “[Starting Administration Server](#)” on page 44.

1. From the **Essbase Administration Server** window, select **Actions > Export database to file**.
2. In the **Export Database** dialog box, specify the location for the export file.
3. Click **Export**.

The database is exported to the specified location in XML format, with sensitive data encrypted. The user information for the default administrator account is not exported.

► To restore user information that you have exported:

1. Start Administration Server.

For more information, see “[Starting Administration Server](#)” on page 44.

2. From the **Essbase Administration Server** window, select **Actions > Import database from file**.
3. In the **Import Database** dialog box, navigate to the location of the export file.
4. Select the export file, and click **Import**.

User information is restored. Existing users are not overwritten.

When you next start Administration Services Console, the users you imported are displayed in Enterprise View.

Note: Log Analyzer data is not retained.

Setting Up an SMTP Server

To enable administrators to e-mail information directly from Administration Services Console to other administrators or to Hyperion Technical Support, an outgoing mail (SMTP) server must be specified on the Administration Server computer. SMTP (Simple Mail Transfer Protocol) is a protocol for sending e-mail messages. When an administrator sends e-mail from Administration Services Console, the specified SMTP server is used to send the message to the receiver's e-mail client.

Specify an SMTP server in the Essbase Administration Server window on the Configuration tab. If you do not specify an SMTP server, administrators will not be able to send e-mail from the console.

- To specify an outgoing mail server:

1. Start Administration Server.

For more information, see [“Starting Administration Server” on page 44](#).

Note: On Windows platforms, if you are running Administration Server as a Windows service, stop the EAS_Server Windows service and start Administration Server manually. For more information, see [“Stopping the EAS_Server Windows Service” on page 37](#).

2. In the Essbase Administration Server window, select the **Configuration** tab.
3. In the **E-mail server** area, enter the name of the SMTP server.
4. Select **Actions > Update**.
5. Select **Server > Exit** to close Administration Server.
6. Restart Administration Server.

For more information, see [“Starting Administration Server” on page 44](#).

You must restart Administration Server for the setting to take effect.

Note: To restart the EAS_Server Windows service, see [“Restarting the EAS_Server Windows Service” on page 38](#).

For more information about setting up an SMTP server, see the *Administration Services Online Help*.

Shutting Down Administration Services

Closing Administration Services Console

- To close Administration Services Console, select **File > Exit** from the console menu bar.

You are prompted to save information such as settings and modifications.

Closing Administration Server

- To close Administration Server, select **Server > Exit** from the server menu bar.

Stopping the Embedded Data Store

An embedded data store (MySQL) used for persistent storage of user information is installed with Administration Server. On Windows platforms, the data store runs as a Windows service. On UNIX platforms, the data store runs in the background and is stopped automatically when Administration Server is shut down.

- To stop the MySQL service on Windows platforms, use the Windows Control Panel or enter the following at a command prompt:

```
net stop MySql
```

For more information about the embedded store, see [“What Happens During Installation”](#) on page 34.

Configuring Administration Services for Non-English Essbase

To use non-English versions of Essbase successfully, you must set the `ESSLANG` variable to be the same on both the OLAP Server computer and on the computer where Administration Server is installed.

Create the `ESSLANG` environment variable to point OLAP Servers and Administration Servers to the correct Uniscape code page (installed in the `ESSBASE\LOCALE` directory). If no `ESSLANG` value is set, the default is United States English.

You can create the ESSLANG variable as a user variable or a system variable. If ARBORPATH is defined as a system variable, also create ESSLANG as a system variable. If ARBORPATH is defined as a user variable, create ESSLANG as a user variable.

You do not need to set the ESSLANG variable on the computer where Administration Services Console is installed.

ESSLANG settings should follow the format ESSLANG=<locale> where <locale> is a supported Uniscape GlobalC locale of the format:

<Language>_<Territory>.<code page name>@<sort sequence>

Examples of ESSLANG Settings:

```
ESSLANG=German_Germany.Latin1@Default
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=Japanese_Japan.MS932@binary
ESSLANG=CanadianFrench_French-Canada.Latin1@Default
ESSLANG=TraditionalChinese_Taiwan.MS950@Binary
ESSLANG=SimplifiedChinese_China.MS936@Binary
ESSLANG=Albanian_Albania.ISO-8859-2@Default
ESSLANG=Arabic_SaudiArabia.ISO-8859-6@Default
ESSLANG=Bulgarian_Bulgaria.ISO-8859-5@Default
ESSLANG=Byelorussian_Belarus.ISO-8859-5@Default
ESSLANG=Catalan_Catalonia.Latin1@Default
ESSLANG=Croatian_Croatia.ISO-8859-2@Croatian
ESSLANG=Czech_CzechRepublic.ISO-8859-2@Czech
ESSLANG=Dutch_Netherlands.Latin1@Default
ESSLANG=Estonian_Estonia.ISO-8859-4@Estonian
ESSLANG=Farsi_Iran.ISO-8859-6@Default
ESSLANG=Greek_Greece.ISO-8859-7@Default
ESSLANG=Hebrew_Israel.ISO-8859-8@Default
ESSLANG=Hungarian_Hungary.ISO-8859-2@Hungarian
ESSLANG=Korean_Korea.MS949@Binary
ESSLANG=Latvian_Latvia.ISO-8859-4@Latvian
ESSLANG=Lithuanian_Lithuania.ISO-8859-4@Lithuanian
ESSLANG=Macedonian_Macedonia.ISO-8859-5@Default
ESSLANG=Romanian_Romania.ISO-8859-2@Romanian
ESSLANG=Russian_Russia.ISO-8859-5@Default
```

```
ESSLANG=Serbian_Yugoslavia.ISO-8859-2@Default  
ESSLANG=CyrillicSerbian_Yugoslavia.ISO-8859-5@Default  
ESSLANG=Slovak_Slovakia.ISO-8859-2@Slovak  
ESSLANG=Slovenian_Slovenia.ISO-8859-2@Slovenian  
ESSLANG=Thai_Thailand.MS874@Thai  
ESSLANG=Turkish_Turkey.ISO-8859-9@Turkish  
ESSLANG=Ukrainian_Ukraine.ISO-8859-5@Ukrainian  
ESSLANG=Vietnamese_VietNam.MS1258@Vietnamese
```

Index

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

- accessing documentation, vi
- adding users, 47
- admin account
 - password, 45
 - username, 45
- ADMINCON.EXE, 45
- Administration Server
 - adding users, 47
 - BIN directory, 35
 - data store (MySQL)
 - files for, 35
 - DBMS directory, 35
 - described, 11
 - disk space requirements, 24
 - HTTP listener files, 35
 - installing as a Windows service, 37
 - Java class files, 35
 - LIB directory, 35
 - names, 45
 - network protocol support, 24
 - program files, 35
 - RAM requirements, 24
 - removing the EAS_Server Windows service, 39
 - resetting the EAS_Server Windows service,
 - 38 to 39
 - restarting the EAS_Server Windows service, 38
 - running as a Windows service, 36
 - shutting down, 50
 - starting, 44
 - stopping the EAS_Server Windows service, 37
 - system requirements, 24
 - TOMCAT directory, 35
 - uninstalling, 29, 40
- Administration Services
 - connecting to, 45
 - described, 11
 - exiting, 50
 - logging in, 45
 - Login dialog box, 45
 - platform support, 23
 - running with multiple Essbase servers, 23
 - starting, 43
 - uninstalling, 29, 40
 - upgrading from previous releases, 27
- Administration Services Console
 - BIN directory, 35
 - closing, 50
 - described, 11
 - disk space requirements, 25
 - Java class files, 35
 - LIB directory, 35
 - network protocol support, 25
 - program files, 35
 - RAM requirements, 25
 - starting, 45
 - system requirements, 25
 - uninstalling, 29, 40
- ADMINSVR.EXE, 29, 44
- AIX
 - installing on, 32
 - JDK requirement, 20
 - starting Administration Server, 44
 - supported versions, 23
 - XWindows requirement, 21
- Apache connector port, 46
- Apache Tomcat Server, 35
- ARBORPATH environment variable requirement, 19

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

ARBORPATH, described, viii
 architecture, 12
 automatic service, running Administration Server as, 36
 available support options, x

B

backing up
 user information, 48
 BIN directory
 Administration Server, 35
 Administration Services Console, 35
 Java, 35
 browser support, documentation, 36

C

CD, launching the installer from, 31
 changing port values, 46
 class files, Java, 35
 client tier, 11
 closing Administration Services, 50
 code pages, setting the ESSLANG environment variable, 50
 communication ports
 Apache connector, 46
 changing values, 46
 default values, 46
 EAS Agent, 46
 embedded data store, 20
 Essbase Administration Server, 46
 specifying, 46
 Tomcat-Apache connector, 46
 compatibility with Essbase releases, 22
 connecting to Administration Services, 45
 connecting to OLAP Servers, 43
 CONSOLE directory, 35
 consulting services, ix
 custom business solutions, ix
 custom training, ix

D

data integration, ix
 data store (MySQL)
 backing up, 48
 described, 34
 port requirement, 44
 starting with Administration Server, 44
 stopping, 50
 DBMS directory
 backing up, 48
 described, 35
 default password, 45
 default port values
 changing, 46
 defined, 46
 default username, 45
 deleting Administration Services, 40
 deployment options, 12
 directories
 BIN
 Administration Console, 35
 Administration Server, 35
 CONSOLE, 35
 DBMS, 35
 EAS, 35
 JAVA, 35
 BIN directory, 35
 LIB directory, 35
 LIB
 Administration Console, 35
 Administration Server, 35
 SERVER, 35
 TOMCAT, 35
 discussion forum, x
 disk space requirements
 Administration Server, 24
 Administration Services Console, 25
 document conventions, vii
 documentation
 accessing, vi
 browser support, 36
 installed, 35
 ordering printed, ix

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

downloading
 the installer from a CD, 31
 the installer from the Hyperion Download Center, 31

E

EAS Agent port, 46
 EAS. *See* Administration Services
 EAS_HOME, described, viii, 34
 EAS_Server Windows service
 removing, 39
 resetting, 38 to 39
 restarting, 38
 stopping, 37
 verifying, 37
 electronic training, ix
 environment
 ESSLANG variable for non-English Essbase, 50
 environment, ARBORPATH variable, 19
 Essbase Administration Server port, 46
 Essbase Administration Services. *See* Administration Services
 Essbase release compatibility, 22
 Essbase Runtime Client requirements, 24
 Essbase servers, running multiple with
 Administration Services, 23
 Essbase version requirement, 22
 Essbase Web site, vi
 Essbase.com, x
 ESSLANG environment variable, 50
 eTraining, ix
 exiting Administration Services, 50
 exportdb migration utility, 28
 exporting user information, 48

F

foreign language support, 50

H

HP-UX
 installing on, 32
 JDK requirement, 20
 starting Administration Server, 44

 supported versions, 23
 XWindows requirement, 21
 HTTP listener files, Administration Server, 35
 Hyperion Alliance Partners, ix
 Hyperion Consulting Services, ix
 Hyperion Download Center, launching the installer
 from, 31
 Hyperion Web site, vi

I

implementation consulting, ix
 information map, accessing, vi, 36
 installation
 directory, 19
 instructions, 32
 prerequisites, 19
 requirements, 19
 scenarios, 12
 installed documentation, 35
 installer program
 launching from a CD, 31
 launching from a network location, 32
 launching from the Hyperion Download Center, 31
 installing Administration Server as a Windows
 service, 37
 installing Java Virtual Machine, 33
 installing on Windows or UNIX, 32
 instructor-led training, ix
 international support, x

J

J2EE server, 35
 Java class files, 35
 Administration Server, 35
 Administration Services Console, 35
 JAVA directory, 35
 Java program files, 35
 Java requirements, 24 to 25
 Java Runtime Environment (JRE) requirements, 24 to 25
 Java Virtual Machine, installing, 33
 JDK, verifying if installed on UNIX, 20

L

language support by setting the ESSLANG environment variable, 50

launcher.htm, 36

launching

- documentation, 36
- the information map, 36
- the installer program from a CD, 31
- the installer program from a network location, 32
- the installer program from the Hyperion Download Center, 31
- the User Setup Wizard, 47

LIB directory

- Administration Server, 35
- Administration Services Console, 35
- Java, 35

Linux

- supported versions, 23

locale directory

- setting the ESSLANG environment variable, 50

logging in to Administration Services, 45

M

machine requirements

- Administration Server, 24
- Administration Services Console, 25

mail server, setting up outgoing, 49

MBCS support, 50

memory requirements

- Administration Server, 24
- Administration Services Console, 25

middle tier, 11

migrating

- Administration Services software, 27
- users from previous release, 28

MySQL. *See* data store (MySQL)

N

name of Administration Server, 45

network location, launching the installer from, 32

network protocol support

- Administration Server, 24
- Administration Services Console, 25

North American support, x

O

OLAP Servers

- connecting to, 43
- disconnecting from, 50

online discussion forum, x

online help, accessing, vi

ordering printed documentation, ix

outgoing mail server, setting up, 49

P

password for admin account, 45

physical memory requirements

- Administration Server, 24
- Administration Services Console, 25

platform support, 23

port usage, 23

port values

- defined, 46
- specifying, 46

ports

- Apache connector port, 46
- EAS Agent, 46
- Essbase Administration Server, 46
- prerequisites for data store, 20
- specifying, 46
- Tomcat-Apache connector, 46

prerequisites to installation, 19

printed documentation, ordering, ix

product training, ix

program files

- Administration Server, 35
- Administration Services Console, 35
- Java, 35

program icons, 34

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

R

RAM requirements

Administration Server, 24

Administration Services Console, 25

recovery, 48

related documentation, accessing, vi

release compatibility with Essbase, 22

removing Administration Services, 40

removing the EAS_Server Windows service, 39

requirements, system, 19

resetting the EAS_Server Windows service, 38 to 39

resolution, recommended, 25

restarting the EAS_Server Windows service, 38

running Administration Server as a Windows service, 36

Runtime Client requirements, 24

S

screen resolution, recommended, 25

SERVER directory, 35

server names, 45

service packages, ix

servlet engine, 35

setting up

an SMTP server, 49

users, 47

SMTP server, setting up, 49

Solaris

installing on, 32

starting Administration Server, 44

supported versions, 23

XWindows requirement, 21

specifying communication ports, 46

specifying port values, 46

starting

Administration Server, 44

Administration Services, 43

Administration Services Console, 45

User Setup Wizard, 47

stopping Administration Services, 50

stopping the EAS_Server Windows service, 37

support matrix

OLAP Server releases, 22

platform support, 23

support, technical, x

system requirements

Administration Server, 24

Administration Services Console, 25

T

technical consulting, ix

technical support, x

technical support options, x

TOMCAT directory, 35

Tomcat-Apache connector port, 46

training, ix

U

uninstalling Administration Services, 29, 40

UNIX

installing on, 32

JDK requirement, 20

starting Administration Server, 44

system requirements, 24

XWindows requirement, 21

upgrading Administration Services, 27

user information

backing up, 48

restoring from backup, 48

storage of, 34

user migration utility, 28

user name for admin account, 45

User Setup Wizard, launching, 47

users

adding, 47

backing up, 48

migrating from previous release, 28

restoring from backup, 48

V

variables

ARBORPATH, 19

Virtual Machine, installing, 33

W

Web-based support, [x](#)

Windows

installing on, [32](#)

starting Administration Server, [44](#)

supported versions, [23](#)

system requirements, [24](#)

Windows service

embedded database installed as, [34](#)

running Administration Server as, [36](#)

X

XWindows requirement on UNIX platforms, [21](#)