

Essbase® Administration Services

Release 6.5.1



Installation Guide



Hyperion Solutions Corporation

D116365100

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U.S. Patent Number: 5,359,724

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Printed in the U.S.A.

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Preface

Welcome to the *Essbase 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 Release 6.5.1,” describes the process for upgrading from Administration Services Preview Release 6.2 to Administration Services Release 6.5.1.

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.

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).

- Most documentation is also accessible from Administration Services Console. From the Help menu, select the online document you would like to view or click the Help button.
- 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. Under **Product Releases**, 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.

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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.

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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)

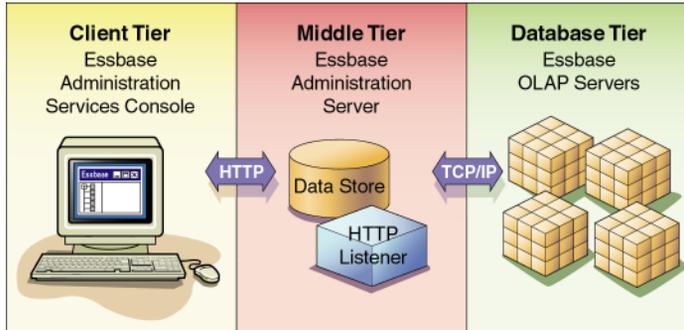
This component is a Java client console that enables administrators to manage the Essbase environment from a robust graphical user interface.

- 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 do not have to be installed on the same computer nor on the same platform. For more information, see [“Deploying Essbase Administration Services.”](#)

Deploying Essbase Administration Services

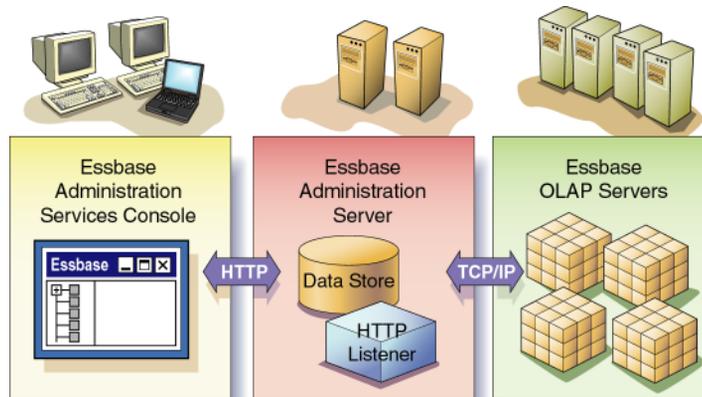
You can install Administration Services on the same computer as Essbase or on a different computer, in various configurations. For example, you can install OLAP Server on a computer running UNIX and install Administration Server and Administration Services Console on a computer running Windows. You can 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.

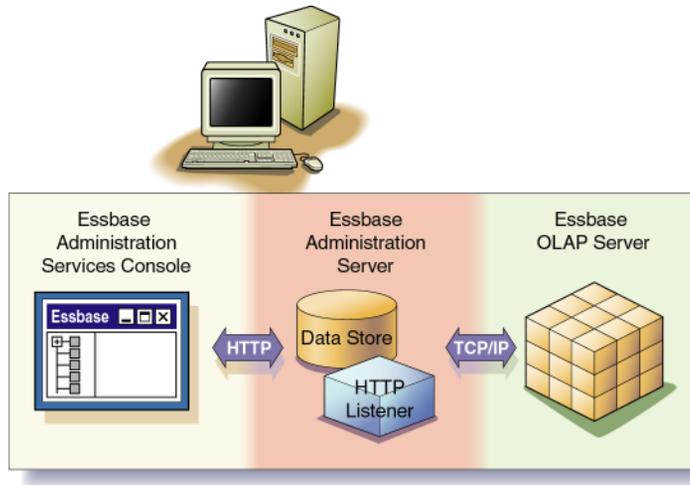
Figure 2: Multiple Servers, Multiple Clients



Note: The computer hosting Administration Server needs, at a minimum, Essbase Runtime Client Release 6.5.1 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

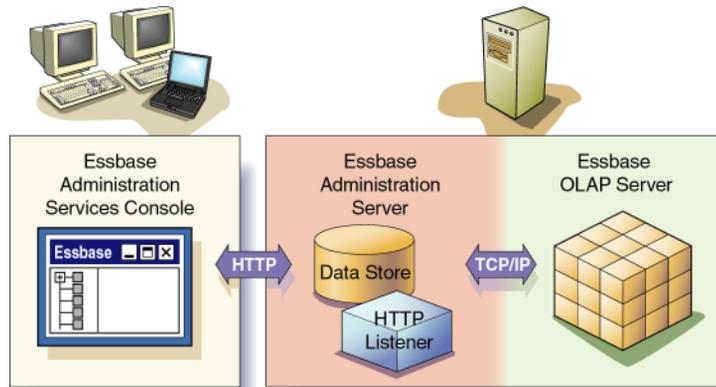


Note: Do not use this configuration if you are using OLAP Server Release 6.2. OLAP Server Release 6.2 cannot be installed on the same computer as Administration Server. For more information, see [“Prerequisites”](#) on page 19.

- 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 Essbase OLAP Server Release 6.2 or Release 6.5.1.
See the *Hyperion Essbase Installation Guide*.
2. Get ready to install Administration Services Release 6.5.1:
 - 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 29.
4. Start Administration Services.
For more information, see “Starting Administration Services” on page 39.
5. Set up the Administration Services users.
For more information, see “Setting Up Users” on page 43.
6. Make a backup copy of the database used to store Administration Services user information.
For more information, see “Backing Up User Information” on page 43.
7. Specify an outgoing mail (SMTP) server on the Administration Server computer.
For more information, see “Setting Up an SMTP Server” on page 43.

Verifying Product Contents

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

- The Hyperion Essbase Release 6.5.1 CD or the appropriate self-extracting download files from the Hyperion Download Center
- This book, the *Essbase Administration Services Installation Guide*
- The *Essbase Administration Services Installation Checklist*
- The *Essbase Administration Services Readme File*
- The *Hyperion Essbase Installation Guide*

Prerequisites

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

- Install Hyperion Essbase Release 6.2 or Release 6.5.1.

If you plan to use Administration Services to manage Essbase OLAP Server Release 6.2, you must install Essbase 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 before installing Administration Services. To install the 6.5.1 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 6.5.1 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 6.5.1 on the computer on which you are installing Administration Server, you do not need to install Runtime Client.

If you attempt to install Administration Server on a computer that does not have, at a minimum, Runtime Client Release 6.5.1 installed, the Administration Services installer program reminds you to do so before proceeding with 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 6.5.1 Runtime Client files to work properly, an Essbase installation directory must already exist on that computer.

If the `ARBORPATH` environment variable is not set, the installer program uses a default location for installation that you can modify. 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.

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 Administration Services Release 6.5.1 supports the platforms where you plan to install Administration Services.

Release Compatibility

Table 1 lists the Essbase OLAP Server releases that work with Administration Services Release 6.5.1:

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

¹ Although you can use Administration Services Release 6.5.1 to connect to a Release 6.2 OLAP Server, you cannot use the features introduced in OLAP Server Release 6.5.x. 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.

You must install Release 6.5.1 Administration Server with Release 6.5.1 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 Administration Services Release 6.5.1:

Table 2: Administration Services Supported Platforms

Platforms	Supported Versions
AIX	4.3.3 or later on RS 6000 PowerPC computers
HP-UX	11.0 and Ili on PA-RISC computers
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 6.5.1	Not required if Essbase OLAP Server Release 6.5.1 is already installed on the same computer
Disk space	80 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, 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.

² For UNIX platforms: Make sure that your operating system has the required patches to support JRE Version 1.3.1, even if you chose to install JRE 1.3.1 during installation. For more information, refer to the vendor support site for your operating system.

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

¹ During installation, 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.

² For UNIX platforms: Make sure that your operating system has the required patches to support JRE Version 1.3.1, even if you chose to install JRE 1.3.1 during installation. For more information, refer to the vendor support site for your operating system.

This chapter describes the process for upgrading from Essbase Administration Services Preview Release 6.2 to Administration Services Release 6.5.1.

- “Upgrade Overview” on page 27
- “Uninstalling Administration Services Preview Release 6.2” on page 28

Upgrade Overview

Use the following process to upgrade from Administration Services Preview Release 6.2 to Administration Services Release 6.5.1:

1. Verify that you have all the necessary Release 6.5.1 software and documentation.
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. Install Administration Services Release 6.5.1.
For more information, see “[Installing Essbase Administration Services](#)” on page 29.

6. Optional: Uninstall Administration Services Preview Release 6.2.

For more information, see “[Uninstalling Administration Services Preview Release 6.2](#)” on page 28.

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

For more information, see “[Setting Up an SMTP Server](#)” on page 43.

Uninstalling Administration Services Preview Release 6.2

If you have Administration Services Preview Release 6.2 already installed and you would like to uninstall it, we recommend that you uninstall it *after* installing Release 6.5.1. The reason for this sequence is due to the need to migrate the existing user database over to the Release 6.5.1 installation. This migration occurs automatically during the Release 6.5.1 installation. If you were to uninstall the previous release first, you would have to re-create all the users. It is not required, however, that you uninstall Release 6.2.

For uninstallation procedures, see “[Uninstalling Administration Services](#)” on page 38.

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 29
- “Installing Administration Services Software” on page 31
- “What Happens During Installation” on page 32
- “Running Administration Server as a Windows Service” on page 34
- “Uninstalling Administration Services” on page 38

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 the Essbase CD, from installable files on a network drive, or from files that you have downloaded from the Hyperion Download Center.

- To launch the Administration Services installer program from the root of the Essbase CD:
 1. Insert the Essbase CD.
 2. Run `setup` if the installer program does not start automatically.

3. Select Essbase XTD Administration Services from the menu provided.

Note: For instructions on installing Essbase software, see the *Hyperion Essbase Installation Guide*.

- To launch the Administration Services installer program from the `eas` directory of the Essbase 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>eas651_aix.bin</code>
HP-UX	<code>hpux</code>	<code>eas651_hpux.bin</code>
Solaris	<code>solaris</code>	<code>eas651_solaris.bin</code>
Windows	<code>win32</code>	<code>eas651_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.
- 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.

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 Essbase CD or from the appropriate self-extracting download files at the Hyperion Download Center. To make the installer program available to others without the Essbase 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 29 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 34.

After the installation has been completed, you can start Administration Services and create users. See “Starting Essbase Administration Services” on page 39.

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 33](#).
- 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\eam\server\tomcat\webapps\root\eamdocs`
- 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_651\  
EAS_HOME\Uninstall_eas_server_651\  

```

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	Java 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\eam` 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 35](#)
- [“Verifying That Administration Server Is Running as a Windows Service” on page 35](#)
- [“Stopping the EAS_Server Windows Service” on page 35](#)
- [“Restarting the EAS_Server Windows Service” on page 36](#)
- [“Resetting the EAS_Server Windows Service” on page 36](#)
- [“Removing the EAS_Server Windows Service” on page 37](#)

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 36.

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 35.
 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 37.

2. 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_651/Uninstall_eas_console</code>
	Windows	<code>EAS_HOME\Uninstall_eas_console_651\Uninstall_eas_console.exe</code>
Administration Server	UNIX	<code>EAS_HOME/Uninstall_eas_server_651/Uninstall_eas_server</code>
	Windows	<code>EAS_HOME\Uninstall_eas_server_651\Uninstall_eas_server.exe</code>

Note: If you are uninstalling Administration Services Preview Release 6.2, the uninstaller is located in the `ARBORPATH\uninstaller_eas` directory.

3. 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 39
- “Specifying Communication Ports” on page 41
- “Setting Up Users” on page 43
- “Backing Up User Information” on page 43
- “Setting Up an SMTP Server” on page 43
- “Shutting Down Administration Services” on page 45

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 41.

► 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/adminsvr
```

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 43.

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 42](#).

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 40](#).

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 35](#).

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 40](#).

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 36](#).

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 your Administration Services users, Hyperion recommends that you make a backup copy of the database used to store Administration Services user information. Copy the following directories before you begin working with Administration Services. You can then revert to the backup directories if you have problems.

- `EAS_HOME\eas\server\dbms`
- `EAS_HOME\eas\storage`

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 40.

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 35.

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 40.

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 36.

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.

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