Hyperion® Analyzer

Release 6.5

Installation Guide for Windows

Contents

Hyperion Analyzer Installation Guide for Windows

Hyperion Analyzer Installation Guide for Windows

Welcome to the *Hyperion Analyzer Installation Guide for Windows*. This preface discusses the following topics:

Purpose

The Hyperion Analyzer Installation Guide explains product conventions, features, and options, and it contains the concepts, processes, procedures, formats, tasks, and examples that you need to install Hyperion Analyzer.

Audience

Although this guide is intended for system and application administrators responsible for installing, configuring, and maintaining Hyperion Analyzer, advanced users will also benefit from the procedures and conceptual information.

Document Structure

This document contains the following information:

- Chapter 1, "Hyperion Analyzer Overview," introduces the Hyperion Analyzer product and the components of the application. The chapter also provides an overview of the architecture and the installation options you have.

- Chapter 2, "Installing Hyperion Analyzer on Microsoft Windows," lists the system requirements for the server, the stand-alone client, and the client as are the installation procedures to install Hyperion Analyzer in a Microsoft Windows operating environment.

- Chapter 3, "What's Installed?," examines the directory structure of Hyperion Analyzer to provide a descriptive overview of the directory contents. This facilitates locating configuration files, documentation, and application folders and files.

- Chapter 4, "Deploying Hyperion Analyzer into IBM WebSphere," provides specific instruction on installing Hyperion Analyzer into an existing IBM WebSphere application server.

- Chapter 5, "Deploying Hyperion Analyzer to BEA WebLogic," provides specific instruction on installing Hyperion Analyzer into an existing BEA WebLogic application server.

- Chapter 6, "Creating Repositories with Scripts," contains the procedures to create the database repositories and the required tables in the databases for all supported RDBMS systems.

- Chapter 7, "Importing Hyperion Analyzer Sample Reports," furnishes the procedures to import Hyperion Analyzer and API Toolkit sample reports through the Java Web Client.

- Chapter 8, "Uninstalling Hyperion Analyzer," contains the procedure to uninstall Hyperion Analyzer from your Windows operating system.

Product Documentation

Information Map

The *Hyperion Analyzer Information Map* lists and describes all Hyperion Analyzer documentation and its location.

➤ To display the information map:

1. Perform one of the following:

    ● From the Hyperion Analyzer Launch Page, click the **Information Map** link.

    ● From a browser window, enter the following URL:
      ```
      http://<server>/Help/en/InformationMap/information_map.htm
      ```

Getting Started

Hyperion Analyzer Getting Started gives an overview of Hyperion Analyzer, relates terminology central to multidimensional analysis, explains application fundamentals and graphical user interfaces, and leads you through the creation of your first report using the Hyperion Analyzer Java Web Client.

New Features

Hyperion Analyzer New Features describes all new features specific to this release.

Client Online Help

Java Web Client Online Help

The *Hyperion Analyzer Java Web Client Online Help* provides detailed information about navigation, report creation, and advanced Java Web Client topics.

HTML Web Client Online Help

The *Hyperion Analyzer HTML Web Client Online Help* provides detailed information about navigation, report creation, and the features specific to the HTML Web Client.

Where to Find Documentation

All Hyperion Analyzer documentation is accessible from the following locations:

● The HTML Information Map is located at:

```
http://<server>/Help/en/InformationMap/information_map.htm
```

● Online help is accessible from the user interface that it documents. Start the product and click the Help button or menu command.

● The Hyperion Solutions Web site is located at `http://www.hyperion.com`.

➤ To access the documentation from the Hyperion Solutions Web site:

1. Log on to `http://www.hyperion.com`.

2. Select **Support** from the menu bar.

3. Enter your **username** and **password**, and click **Login**.

Note: If you do not have a username and password, click **New User Registration** on the left side of the login page to request them.

4. Select **Order/Download Documentation**.

5. From the **Product** list box, select **Hyperion Analyzer**.

6. From the **Display** list box, select **Documentation,** then click **Submit**.

➤ To access the documentation from the Hyperion Download Center:

1. Log on to `http://hyperion.subscribenet.com`.

2. In the **Login ID** and **Password** text boxes, type your assigned login ID and password. Then click **Login**.

3. If you are a member on multiple Download Center accounts, select the account that you want to use for the current session.

4. From the **Product List**, select **Hyperion Analyzer**.

5. In the **New Releases** tab, select **Hyperion Analyzer 6.5**.

Conventions

The following table shows the conventions used in this document:

Table i: Conventions Used in This Document

Item	Meaning
➤	Arrows indicate the beginning of a procedure consisting of sequential steps or a one-step procedure.
Brackets [ ]	In examples, brackets indicate that the enclosed elements are optional.
Bold	Bold in procedural steps highlights major interface elements.
CAPITAL LETTERS	Capital letters denote commands and various IDs. (Example: CLEARBLOCK command)
Ctrl + 0	Keystroke combinations shown with the plus sign (+) indicate that you should press the first key and hold it while you press the next key. Do not type the + sign.
`Example text`	Courier font indicates that the material shown is a code or syntax example.
`Courier italics`	Courier italic text indicates a variable field in command syntax. Substitute a value in place of the variable shown in Courier italics.
`ARBORPATH`	When you see the environment variable `ARBORPATH` in italics, substitute the value of `ARBORPATH` from your site.
Italics	Italics in a product-related term in the body of a book indicates that the term is also included in the glossary of the book.
n, x	Italic *n* stands for a variable number; italic *x* can stand for a variable number or an alphabet. These variables are sometimes found in formulas.
Ellipses (...)	Ellipsis points indicate that text has been omitted from an example.
Mouse orientation	This document provides examples and procedures using a right-handed mouse. If you use a left-handed mouse, adjust the procedures accordingly.

Table i: Conventions Used in This Document (Continued)

Item	Meaning
Menu options	Options in menus are shown in the following format. Substitute the appropriate option names in the placeholders, as indicated.
	Menu name > *Menu command* > *Extended menu command*
	For example: **1.** Select **File** > **Desktop** > **Accounts**.

Additional Support

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

How to Order Printed Documentation

To order printed documentation use one ofthe following methods:

● 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 you 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, and including 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.

Documentation Feedback

Hyperion strives to provide complete and accurate documentation. We value your opinions on this documentation and want to hear from you. Send us your comments by completing the survey available at `http://www.hyperion.com`.

Hyperion Analyzer Installation Guide for Windows

Hyperion Analyzer Overview

Hyperion Analyzer consists of the following components:

- **Repository:** A central storage location for Hyperion Analyzer system data, user IDs, user preferences, and report definitions in relational database tables.

- **Hyperion Analyzer Analysis Server:** A servlet-based Web application that resides within the J2EE application server. The Analysis Server facilitates the rendering of reports to either the HTML or Java clients and provides Web-based user management.

- **Hyperion Analyzer Administration Tools:** A client that provides a Java graphical interface for managing users, users groups, and database connections using a supported Web browser. It also provides access to several administration utilities.

- **Hyperion Analyzer Java Web Client:** A client that enables online analysis of data. You can design and format custom analysis applications without "coding." Hyperion Analyzer is commonly used to conduct sales, key performance, and financial and forecasting analyses.

- **Hyperion Analyzer Windows Client:** A Java Web client interface and functionality delivered as a Java application for supported Microsoft Windows operating systems.

- **Hyperion Analyzer HTML Web Client:** An HTML thin client used by way of a supported Web browser. It is engineered for information consumers who do not require advanced design and content-creation capabilities.

- **Hyperion Analyzer API Toolkit:** A tool that developers can use to incorporate the Hyperion Analyzer Java Web Client look and feel and functionality into their own custom Web applications.

Architectural Overview

Hyperion Analyzer functionality is distributed across a multitiered architecture:

- Client tier

- Server tier

- Database tier

Figure 1: Architectural Diagram of Hyperion Analyzer Functionality

Hyperion Analyzer Installation Guide for Windows
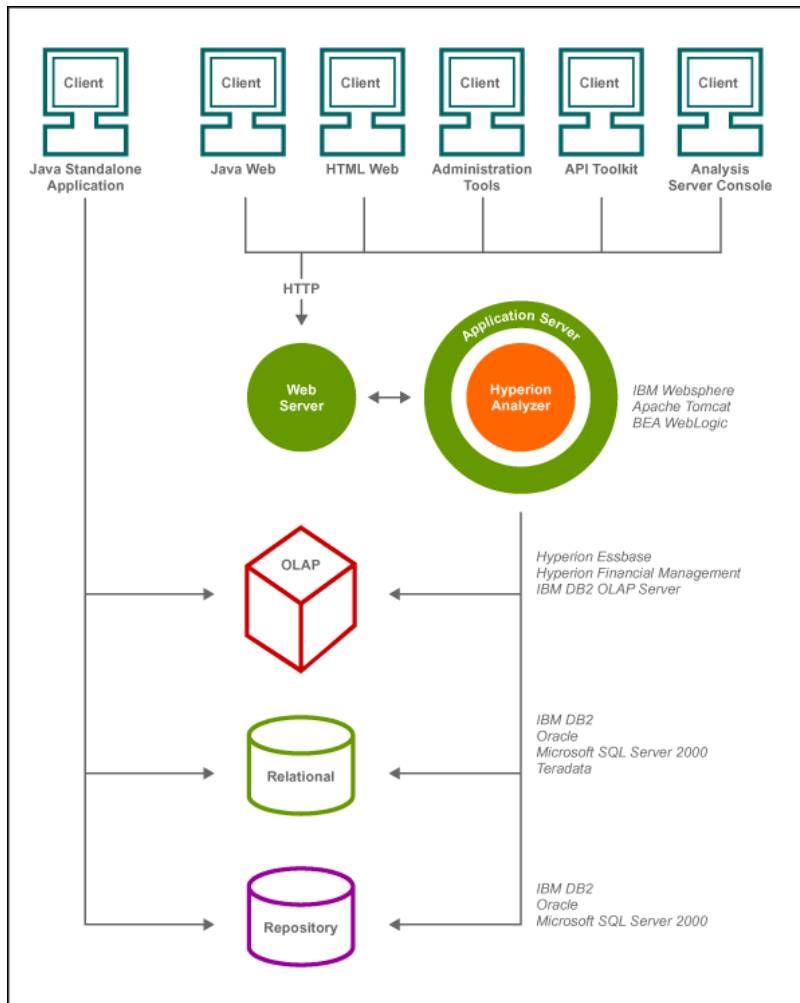
The client tier comprises the three Web browser clients and the API Toolkit. All clients communicate with the rest of the Hyperion Analyzer system using Hypertext Transmission Protocol (HTTP).

The server tier includes the following components:

- The Web server

- The J2EE application server

- The Hyperion Analyzer Analysis Server

- Drivers and protocols for communicating with the database server layer

The database tier supports OLAP and relational databases, and the relational Hyperion Analyzer repository. Data source connectivity to Hyperion Finacial Management and Hyperion Planning is also available.

A supported Web server is required to present the Web page from which Web clients are launched, to deliver files containing Java components, and to transport images generated at run time. After clients are established, the Web server manages all client mid-tier HTTP communication.

Hyperion Analyzer runs inside a J2EE application server. The supported J2EE application server shares Hyperion Analyzer business logic, network traffic, application security for large numbers of concurrent users, and they provide load balancing and fault tolerance.

Through the installation process, Hyperion Analyzer is deployed into a J2EE application server, and Hyperion Analyzer tables are created on the RDBMS selected repository option. The system leverages a Web server to communicate with clients.

Deployment Options

Hyperion Analyzer provides a great deal of flexibility in the way you can configure the system. Configuration options are determined by several factors. Among other considerations, the following list includes some possible considerations for making deployment decisions:

- Current hardware and software

- Future hardware and software upgrades

- Quantity of data

- The balance between ease of configuration and performance

In an effort to assist you in your decision-making, Hyperion recommends examining the following deployment options:

Hyperion Analyzer Installation Guide for Windows

Deployment Option 1

The first deployment option supports medium to large configurations. In this instance, the Web server and application server are on the same computer and are separate from the RDBMS repository and data sources. This is the most typical and highly recommended configuration option. The separation of the components allows for high scalability, and each hardware component can be upgraded individually as needed.

Figure 2: Hyperion Analyzer Deployment Option 1
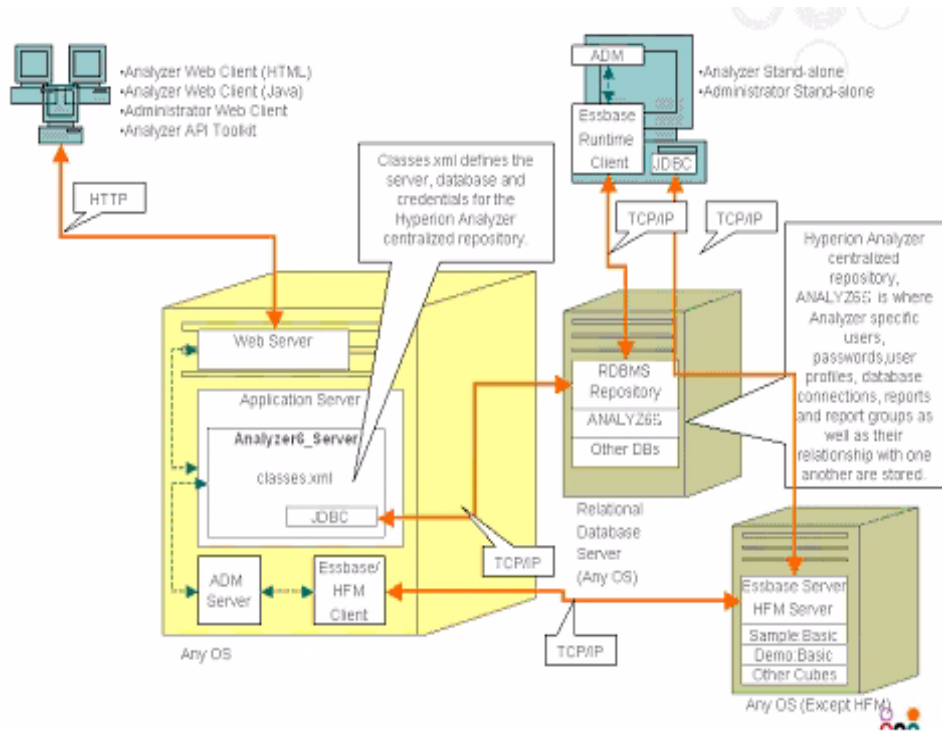
Deployment Option 2

This configuration establishes the Web server, application server, and RDBMS repository on same computer and separate from the data sources. This configuration option is used for medium-size deployments.

Figure 3: Hyperion Analyzer Deployment Option 2
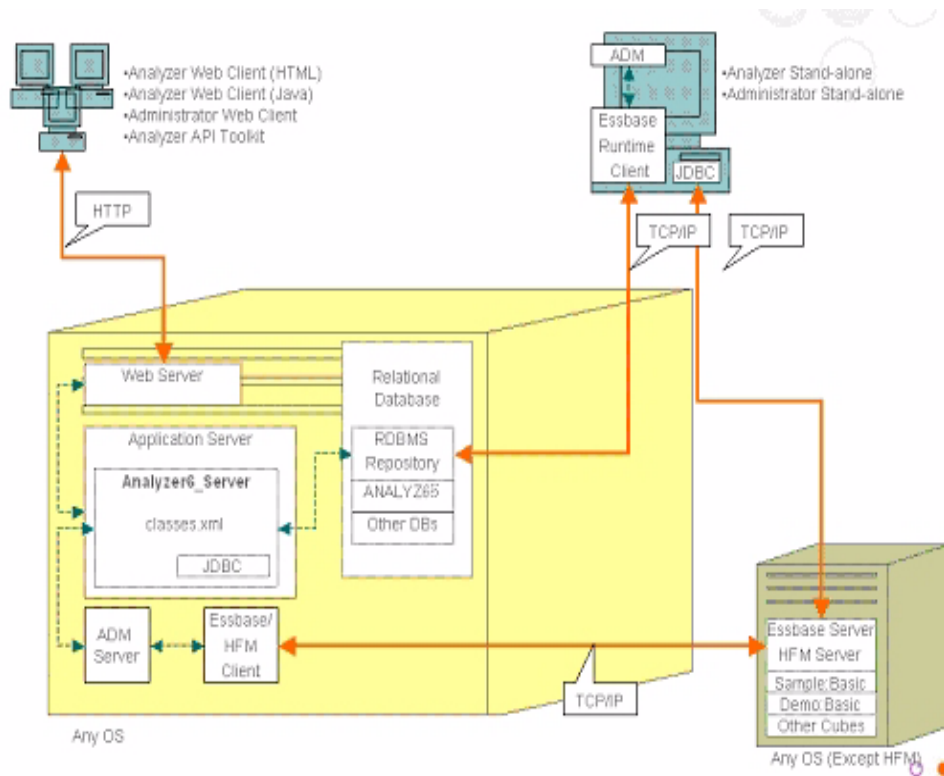
Deployment Option 3

The third option is intended to support a large enterprise system with an existing systemic structure that Hyperion Analyzer can integrate into and leverage. The Web server and application server are on separate computers, as are the RDBMS repository and data sources. This is the typical configuration option for an

Hyperion Analyzer Installation Guide for Windows

enterprise with a centralized Web server farm. However, this configuration requires more in depth knowledge of Web server and application server configuration.

Figure 4: Hyperion Analyzer Deployment Option 3
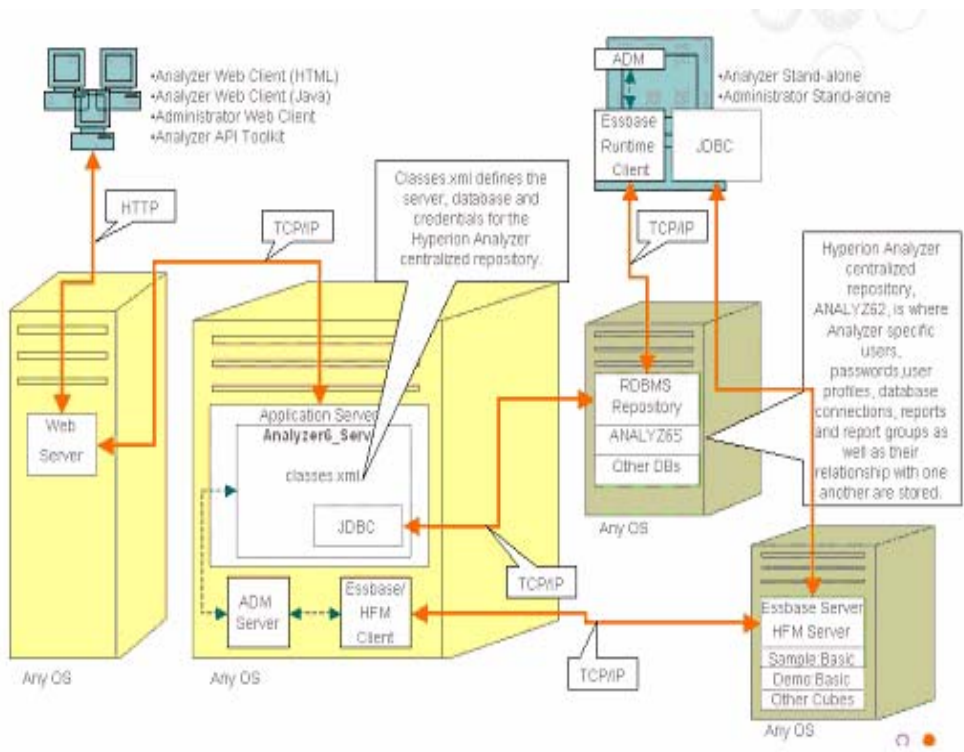
Deployment Option 4

The forth option is best utilized for a small deployment, testing and prototype situations. The Web server, application server, Essbase/Hyperion Financial Management and RDBMS Repository are all on the same server. This option is not recommended for high concurrent usage, unless the servers have multiple CPUs and maximized availability of RAM.

Figure 5: Hyperion Analyzer Deployment Option 4
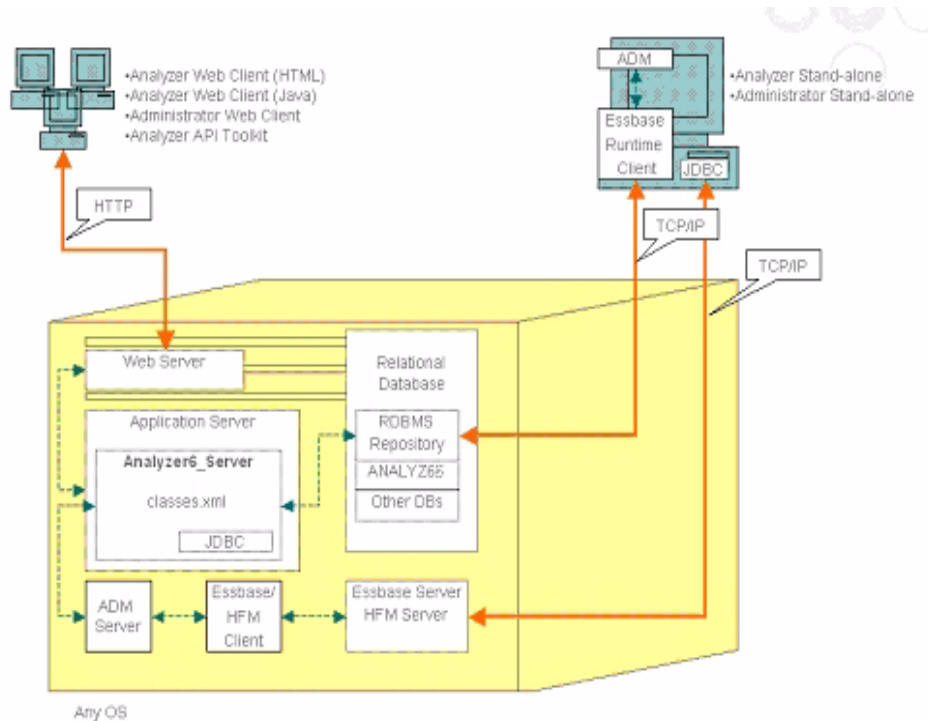
Windows Stand-Alone Client Option

Included in each of the deployment options depicted previously, is the option of implementing a stand-alone client in the Windows operating environment. This option provides TCP/IP connectivity to the Hyperion Analyzer repository, RDBMS, and OLAP data sources without the use of a Web and application

servers. The drawback to this option is the required JDBC drivers and Hyperion Essbase client. This adds to the complexity of the deployment over the simpler, html-based thin client and java applet.

Installation Options

You can install Hyperion Analyzer using any of the following procedures:

- Microsoft Windows Installation: The setup.exe installation file is provided for those installing Hyperion Analyzer on Microsoft Windows operating systems. You have the option of installing to the Apache Tomcat 4.1.x application server, an existing Apache Tomcat 4.0.4 or later, IBM WebSphere, or BEA WebLogic application server. Refer to the Chapter 2, "Installing Hyperion Analyzer on Microsoft Windows," section for more information.

- UNIX operating system: Hyperion provides setup_aix.sh, setup_hpux.sh, and setup_solaris.sh shell scripts for installing Hyperion Analyzer Analysis Server on either the IBM AIX, HP-UX, or Sun Solaris UNIX operating systems. Depending on the opertaing system you are using, you have the option of installing to the Apache Tomcat 4.1.x application server, an existing Apache Tomcat 4.0.4 or later, IBM WebSphere, or BEA WebLogic application server. See *Hyperion Analyzer Installation Guide for UNIX* for more information.

- Manual deployments to application servers: You can deploy Hyperion Analyzer manually to several application servers if you prefer not to use the provided application server. The following options are available:

  – IBM WebSphere installation: You must manually deploy Hyperion Analyzer into a previously installed application server. See Chapter 4, "Deploying Hyperion Analyzer into IBM WebSphere" section for more information.

  – BEA WebLogic installation: You must manually deploy Hyperion Analyzer into a previously installed application server. See Chapter 5, "Deploying Hyperion Analyzer to BEA WebLogic," for more information.

Hyperion Analyzer Installation Guide for Windows

Installing Hyperion Analyzer on Microsoft Windows

This chapter provides the information and procedures you must prepare for and complete an installation of Hyperion Analyzer on your server or client system. The following sections will assist you in the process:

- "System Requirements" on page 25
- "Before Installing Hyperion Analyzer" on page 29
- "Installation Summary" on page 32
- "Installing Hyperion Analyzer" on page 32
- "After Installing Hyperion Analyzer" on page 48
- "Starting the Hyperion Essbase OLAP Server" on page 53"Configuring Microsoft IIS Web Server" on page 56

System Requirements

This section outlines the prerequisites needed for installing Hyperion Analyzer on Microsoft Windows. Your installation must satisfy the following general and application-specific system requirements.

Server System Requirements

Table 2: Hyperion Analyzer Server System Requirements

Component	Requirement
Processor	450 MHz CPU
Memory	512 MB RAM
Disk Space	1 GB of processing space

Table 2: Hyperion Analyzer Server System Requirements(Continued)

Component	Requirement
Operating System	One of the following Operating Systems: • Microsoft Windows NT 4 with Service Pack 6a or • Microsoft Windows 2000 with Service Pack 3
Web browser	One of the following browsers: • Microsoft Internet Explorer 5.5 or 6.0 • Netscape Navigator 6.2 or 7.0
Java plug in	1.3.0_02 or 1.3.1_07
Spreadsheet add-ins	Microsoft Excel 97 (sp1 or 2), 2000 or XP
Peripherals	• SVGA monitor, 800x600 resolution • CD-ROM drive
Network connection	TCP/IP
Application servers	One of the following servers: • Tomcat 4.0.4 • Tomcat 4.1.18 (full installation provided) • IBM WebSphere 4.0.5 Advanced Edition, or Advanced Edition Single Server • IBM WebSphere 5.0, Express, or Enterprise Edition • BEA WebLogic 6.1.4 (Service Pack 3 is supported) • BEA WebLogic 7.0
OLAP servers	One of the following servers: • Hyperion Essbase 6.2.4 or 6.5.4 • IBM DB2 OLAP Server 7.1 (FixPak 11) • IBM DB2 OLAP Server 8.1 (FixPak 2)
Relational data sources	Hyperion Financial Management 3.0.3 or 3.0.4 Hyperion Planning 3.3

Table 2: Hyperion Analyzer Server System Requirements(Continued)

Component	Requirement
Relational servers	One of the following servers: • IBM DB2 7.2 Enterprise Personal Edition (full installation provided), JDBC 2.0 • IBM DB2 8.1 Enterprise Server Edition • Microsoft SQL Server 2000, SP3, MS SQL Server JDBC drivers • Oracle 8.1.7 or 9.2.1, Native JDBC drivers • Teradata 4.1
Other	• Applicable Hyperion Essbase Runtime client • Adobe Acrobat Reader 5.0

Stand-Alone Client System Requirements

Table 3: Hyperion Analyzer Stand-Alone Client System Requirements

Component	Requirement
Processor	450 MHz CPU
Memory	256 MB RAM
Disk space	25 MB
Operating system	One of the following operating systems: • Microsoft Windows NT 4.0, Service Pack 6a • Microsoft Windows 2000, Service Pack 3 • Microsoft Windows XP
Web browser for Web client	One of the following browsers: • Microsoft Internet Explorer 5.5 or 6.0 • Netscape Navigator 6.2 or 7.0
Web browser for Java client	One of the following browsers: • Microsoft Internet Explorer 4, 5, or 6 • Netscape Navigator 4.7, 6.1, or 6.2

Table 3: Hyperion Analyzer Stand-Alone Client System Requirements(Continued)

Component	Requirement
Java plug in for Java client	Sun Java Plug-in 1.3.0_02 or 1.3.1_07 **Note:** Installed automatically on first use of Hyperion Analyzer.
Relational repositories	One of the following repositories: • IBM DB2 7.2 Enterprise Personal Edition, JDBC 2.0 • IBM DB2 8.1 Enterprise Server Edition, JDBC 2.0 • Microsoft SQL Server 2000, SP3, MS SQL JDBC • Oracle 8.1.7 or 9.2.1
Other	• Applicable Hyperion Essbase Runtime client **Note:** To access Hyperion Essbase, the corresponding Hyperion Essbase Runtime client must be installed with the J2EE Application Server. • Adobe Acrobat Reader 5.0

Client System Requirements

Table 4: Hyperion Analyzer Client System Requirements

Component	Requirement
Processor	450 MHz CPU
Memory	512 MB RAM
Disk space	25 MB
Operating system	One of the following operating systems: • Microsoft Windows NT 4.0, Service Pack 6a • Microsoft Windows 2000, Service Pack 3 • Microsoft Windows XP
Web browser for Web client	One of the following browsers: • Microsoft Internet Explorer 5.5 or 6.0 • Netscape Navigator 6.2 or 7.0

Table 4: Hyperion Analyzer Client System Requirements(Continued)

Component	Requirement
Web browser for Java client	One of the following browsers: • Microsoft Internet Explorer 4, 5, or 6 • Netscape Navigator 4.7, 6.1, or 6.2
Java plug in for Java client	Sun Java Plug-in 1.3.0_02 or 1.3.1_07 **Note:** Installed automatically on first use of Hyperion Analyzer.
Other	Adobe Acrobat Reader 5.0

Before Installing Hyperion Analyzer

Prior to installing Hyperion Analyzer, there are a number of prerequisite tasks and considerations to execute at least examine for applicability to your situation. The following sections cover this information:

● "Preinstallation Checklist" on page 29

● "RDBMS Considerations" on page 30

● "Backing Up an Existing Repository" on page 32

Preinstallation Checklist

Complete the following tasks that apply to your installation situation prior to installing Hyperion Analyzer:

● Ensure that the user logged on to the server is an Administrator with unrestricted privileges.

● Review the system requirements for your configuration and ensure compliance.

● If there is a previous release of Hyperion Analyzer on the system, create a backup of the Hyperion Analyzer repository. For more information see, "Backing Up an Existing Repository" on page 32.

● Verify the server names and pathnames. Do not use the name "localhost" to identify servers.

- Ensure the availability of usernames and passwords for your Hyperion Essbase OLAP server and your RDBMS.

  Note: The name "System" cannot be used for logon accounts. Duplicate logons and passwords cannot be used. Ensure that your unique logons do not exceed eight (8) characters in length.

- W If Hyperion Financial Management is the OLAP server of choice for your installation, ensure that the Hyperion Financial Management client is installed on the same computer as the application server.

- Ensure that the correct JDBC drivers are available for the RDBMS repository you are using.

- If a preinstalled Apache Tomcat application server is used, ensure that it is stopped.

- If a preinstalled RDBMS system is being used, ensure that the service is started.

RDBMS Considerations

IBM DB2 Version 7.2

When using IBM DB2 7.2 as the relational repository for Hyperion Analyzer, you must configure DB2 to use JDBC 2.0 drivers and ensure that the following repository types comply as required:

- Enterprise Personal Edition
- Enterprise Server Edition

➤ To configure the DB2 RDBMS to use JDBC 2.0 drivers:

1. Stop all database services.

2. Run `usejdbc2.bat` on the `sqllib\java12` subdirectory.

   Note: When configuring the JDBC drivers for IBM DB2 8.1, ensure that the db2jcc.jar file is in the same directory as the db2java.zip file.

3. Restart all database services.

Note: When installing the Hyperion Analyzer repository on an existing DB2 database, you must provide a username and the database information to complete the installation. The username given must have been previously assigned to the database.

Enterprise Server and Personal Edition

● Enter the case-sensitive database server name when specifying locations and paths. "Localhost" is not a recommended server name.

● Usernames are restricted to eight (8) characters or less.

IBM DB2 Enterprise Server Edition Only

● Ensure that usernames are granted connection privileges to the database.

● Ensure the database and a username are created prior to installation in order to create the RDBMS repository.

Microsoft SQL Server 2000

● You must download the correct JDBC drivers from http://msdn.microsoft.com/downloads/ before installing Hyperion Analyzer. You are prompted during installation to locate the JDBC drivers.

● Do not create the database or the logon prior to installation. The installation creates the logon inside the database during installation.

Oracle

● A Root logon is required for creating a tablespace in Oracle.

● Use the case-sensitive tablespace server name when specifying locations and paths. "Localhost" is not a recommended server name.

● Do not create the tablespace or the username prior to installation. The installer creates the both inside the database.

Backing Up an Existing Repository

The database tables in the Hyperion Analyzer repository have been reorganized. During the installation, the tables are migrated to the new structure. Before begining the installation, you must back up your existing repository. As a result of the table changes, previous releases of Hyperion Analyzer repository do not work with this release of Hyperion Analyzer.

Installation Summary

To install Hyperion Analyzer successfully, you must complete the following tasks:

- Select an installation language.
- Select a usage mode and setup type.
- Review the terms of the license agreement.
- Select and configure the application server.
- Select and configure the RDBMS.
- Configure Hyperion Analyzer.
- Review the summary of the installation.
- Complete the installation.
- Configure the software for your system.

Installing Hyperion Analyzer

The following procedure guides you through the process of installing Hyperion Analyzer.

Note: During the installation of Hyperion Analyzer, progress through the windows by clicking the Previous or Next button. To exit the installation, click the Exit button.

➤ To install Hyperion Analyzer:

1. Take one of the following actions:

   - If you have the Hyperion Analyzer CD, insert the CD in your CD-ROM drive.

- If you downloaded the Hyperion Analyzer software from an FTP site or the Hyperion Download Center, take one of the following actions:

  – Navigate to the directory where you downloaded the installation application and double-click **setup.exe**.

  On the Windows desktop, click **Start>Run** and type the **<drive>:\<path>\setup.exe**, then click **OK.**Where *<drive>* and *<path>* are the location of the Hyperion Analyzer installation application.

The Select a Language window is displayed.

Figure 6: The Select Language Window
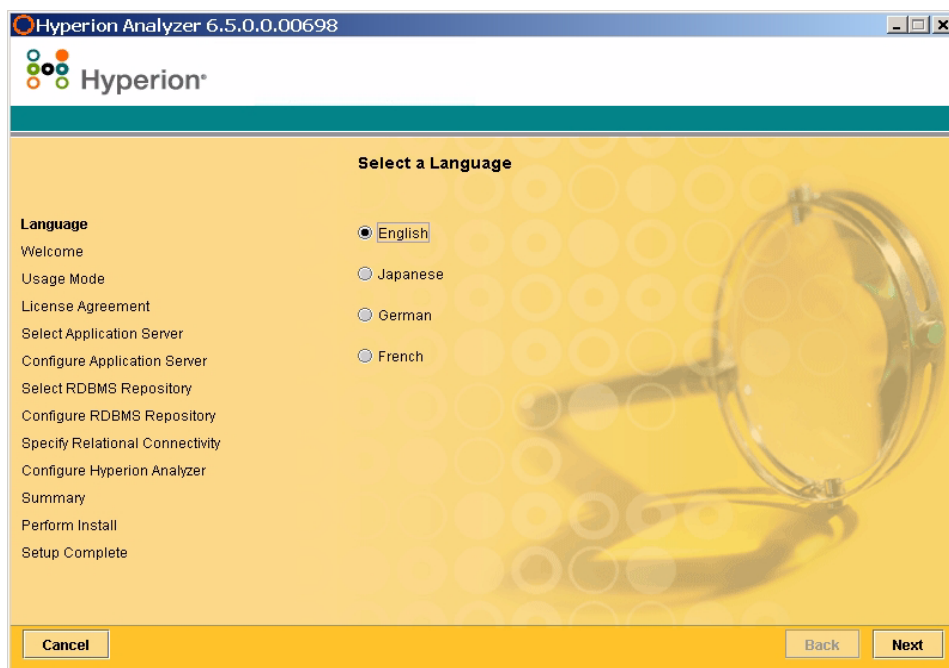
2. Select a language in which to display the installation wizard, then click **Next**.

The Welcome window is displayed.

Figure 7: Hyperion Analyzer Installation Welcome Window
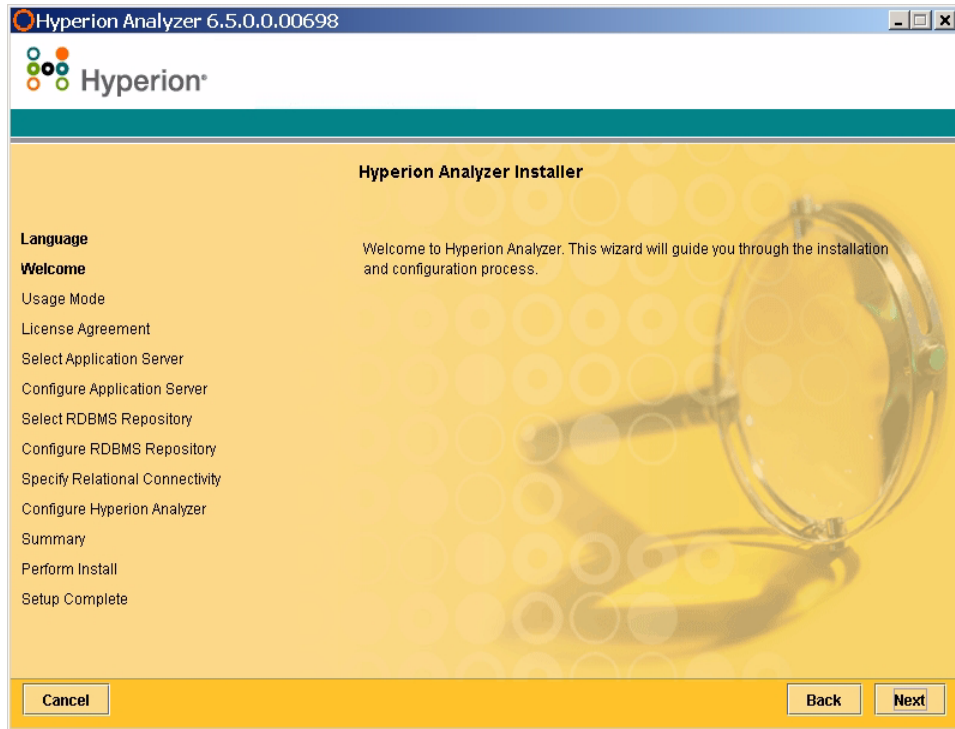
3. Click **Next**.

The Usage Mode window is displayed.

Figure 8: Hyperion Analyzer Installation Usage Window
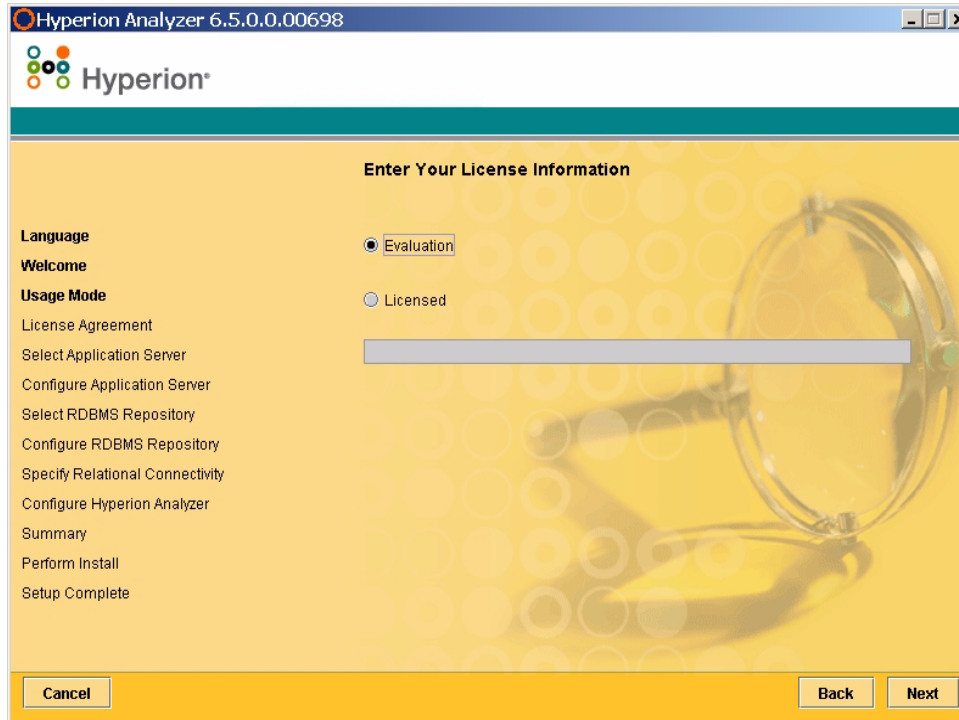
4. Select one of the following usage types:

   ● To install a trial version of Hyperion Analyzer, select **Evaluation**.

   ● To install a licensed version of Hyperion Analyzer, select **Licensed** and then enter a valid license key.

   Note: Your license key is provided on the Hyperion Download Center at http://hyperion.subscribenet.com.

5. Click **Next**.

The Setup Type window is displayed.

Figure 9: Hyperion Analyzer Installation Setup Type Window
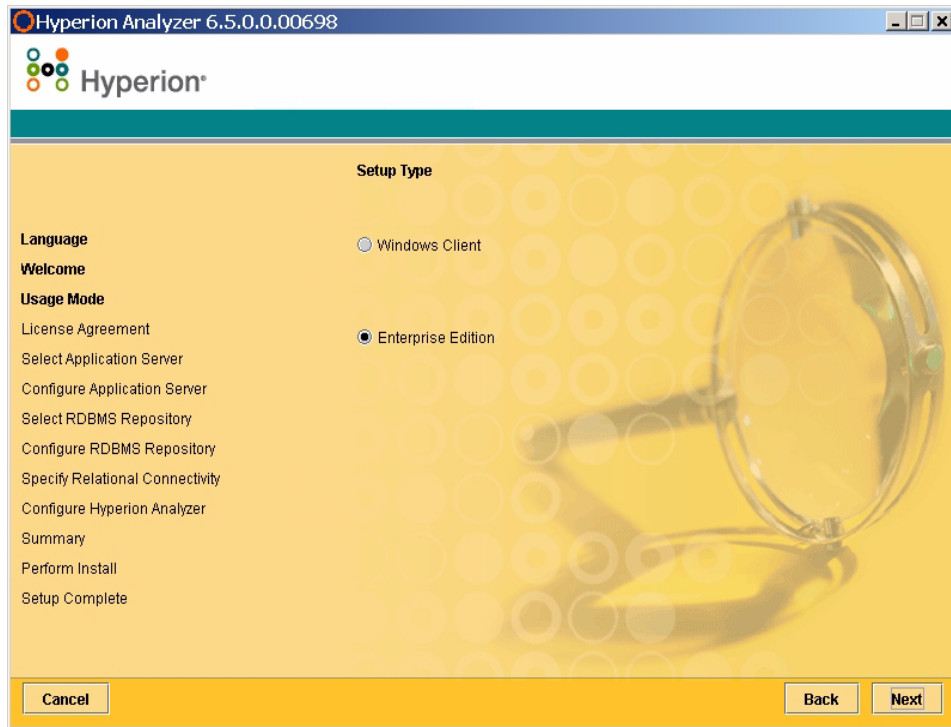
6. Select one of the following setup types:

   ● To install the Windows Stand-Alone Client, select **Windows Client**. This installs the files necessary to access Hyperion Analyzer server installed on another computer via TCP/IP only.

   ● To install both the client and the server software, click **Enterprise Edition**. This installs Hyperion Analyzer within an application server for access via HTTP and TCP/IP.

7. Click **Next**.

The License Agreement window is displayed.

Figure 10: Hyperion Analyzer Installation License Agreement Window
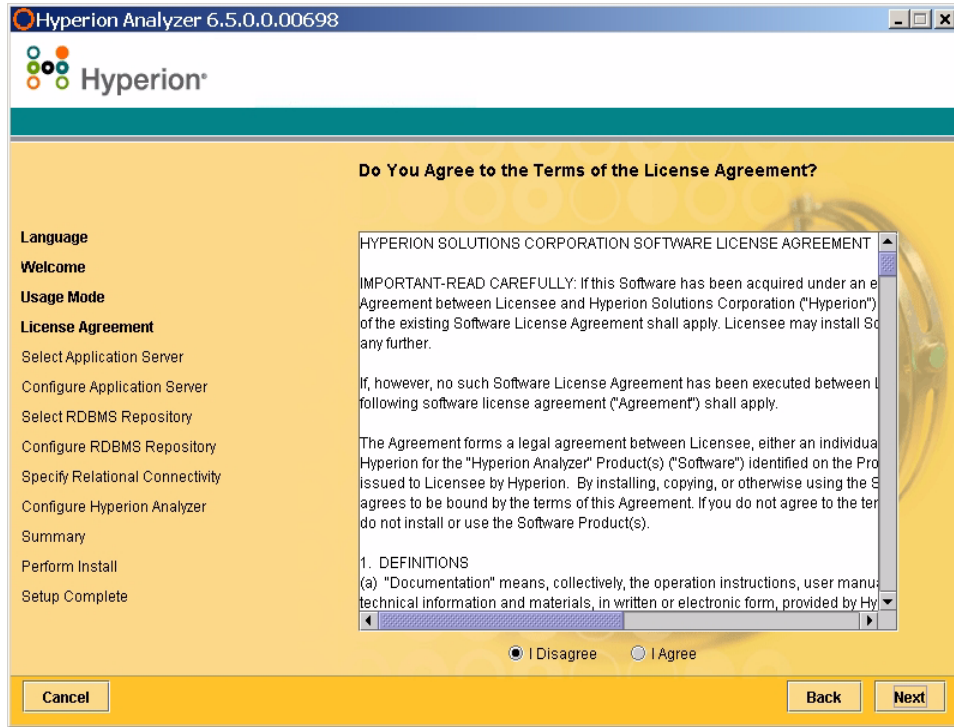
8. After reviewing the license agreement, select **I Agree**, then click **Next**.

The Select Application Server Type window is displayed.

Note: If you selected Windows Client in step 6, go to step 12 on page 41. Selecting and configuring an Application Server is not included when installing the Windows Client.

Figure 11: Hyperion Analyzer Installation Select Application Server Type Window
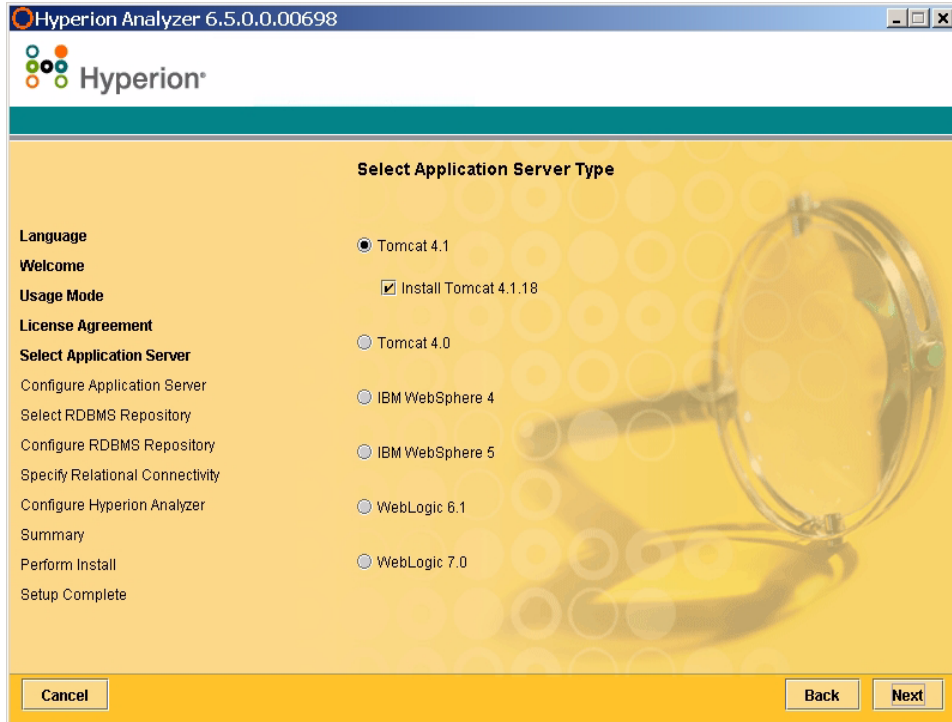
9. Select one of the following application server options:

- **Tomcat 4.1** – Installs Hyperion Analyzer to an existing Apache Tomcat 4.1 application server.

  - **Optional**: Select to **Install Tomcat 4.1.18**. If you do not yet have an application server installed, Apache Tomcat 4.1.18 and Hyperion Analyzer are installed as part of the "batteries included" option.

- **Tomcat 4.0** – Installs Hyperion Analyzer to an existing Apache Tomcat 4.0.4 application server.

- **IBM WebSphere 4 –** Installs Hyperion Analyzer to an existing IBM WebSphere 4.0.5 application server.

- **IBM WebSphere 5 –** Installs Hyperion Analyzer to an existing IBM WebSphere 5 application server.

- **WebLogic 6.1 –** Installs Hyperion Analyzer to an existing BEA WebLogic 6.1 application server.

- **WebLogic 7.0 –** Installs Hyperion Analyzer to an existing BEA WebLogic 7.0 application server.

10. Select **Next**.

The Configure Application Server window is displayed, as shown in Figure 12. Three application servers, two versions of each, are supported by Hyperion Analyzer.

Figure 12: Configure Application Server: Apache Tomcat 4.1.x (Default)
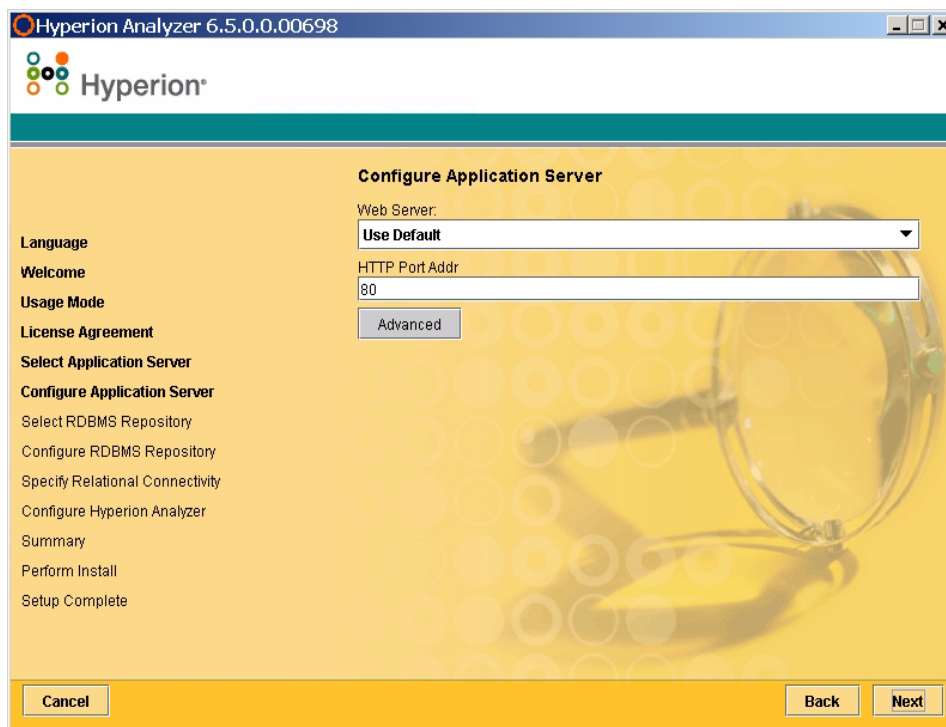
11. Based on the application server option you selected, provide the following settings:

Table 5: Application Server Configuration Settings

Application Server	Settings
Apache Tomcat 4.1	**1.** From **Web Server** list, select **Use Default** or **Microsoft Internet Information Services (IIS)** **2.** Enter an HTTP Port Address, 80 is the default. **3.** **Optional**: Click **Advanced** to set **Host Alias** to a name that differs from the server name.
Apache Tomcat 4.1 or 4.0 (preinstalled)	**1.** Enter a path to the **Application Server Location**, or browse to the root directory by clicking the ellipses (...) button. **2.** Enter an **HTTP Port Address**; 80 is the default. **3.** **Optional**: Click **Advanced** to set **Host Alias** to a name that differs from the server name.
IBM WebSphere 4 or 5 (preinstalled)	**1.** Enter a path to the **Application Server Location**, or browse to the root directory by clicking the ellipses (...) button. **2.** Enter the case-sensitive **Node Name** of the server on which you are installing Hyperion Analyzer. **3.** Enter an **HTTP Port Address**; 80 is the default. **4.** Enter the **Installed Applications Path**, or browse to the root directory by clicking the Ellipses (...) button. **5.** **Optional**: Click **Advanced** to set **Host Alias** to a name that differs from the server name.
BEA WebLogic 6.1 or 7.0 (preinstalled)	**1.** Enter a path to the **Application Server Location**, or browse to the root directory by clicking the Ellipses (...) button. **2.** Enter the case-sensitive **Node Name** of the server on which you are installing Hyperion Analyzer. **3.** Enter an **HTTP Port Address**; 80 is the default. **Optional**: Click **Advanced** to set **Host Alias** to a name that differs from the server name.

12. Click **Next**.

The Select RDBMS Repository Type window is displayed, as shown in Figure 13. You specify the relational database for your Hyperion Analyzer repository here. You also specify whether a database, the repository, or both are to be created.

Figure 13: Hyperion Analyzer Installation Select RDBMS Repository Type Window
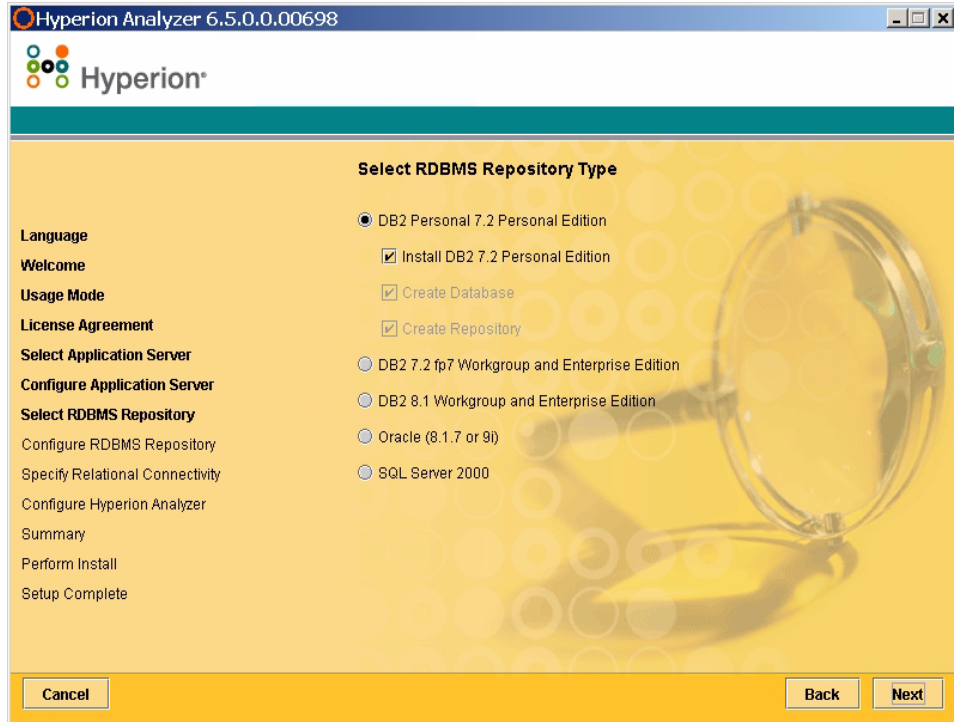
13. Select an **RDBMS Repository Type** and select one of the options listed in Table 6.

Note: As part of the "batteries included" option, if you do not have an Existing RDBMS, select Install DB2 7.2 Personal Edition, Hyperion Analyzer installs the RDBMS and creates a database and repository.

Table 6: Options for the Supported RDBMS

RDBMS	Options
IBM DB2 7.2 Personal Edition	• **Create Repository** - creates only the repository in an existing RDBMS installation and database. • **Create Database** - creates both the database and repository in an existing RDBMS installation. • **Install DB2 7.2 Personal Edition** - "batteries included" installation option installs the RDBMS and creates a database and repository tables.
IBM DB2 7.2 Enterprise Sever Edition	**Create Repository** - creates only the repository in an existing database and RDBMS installation.
IBM DB2 8.1 Enterprise Personal Edition	**Create Repository** - creates only the repository in an existing database and RDBMS installation.
Oracle 8.1.7 or 9i	• **Create Repository** - creates only the repository in an existing database and RDBMS installation. • **Create Tablespace** - creates both the tablespace and repository in an existing RDBMS installation. **Note:** Root user permissions are required to create a tablespace in Oracle.
SQL Server 2000	• **Create Repository** - creates only the repository in an existing database and RDBMS installation. • **Create Database** - creates both the database and repository in an existing RDBMS installation.

Based on Table 6, you can make a decision from the following examples:

● For a first time installation, select the "batteries included" option, or Create Database/Tablespace and Create Repository.

● If you have already created the database, select Create Repository.

- If you are upgrading, uncheck all options. The installer will upgrade your repository automatically.

14. Click **Next**.

The Configure RDBMS Repository window, for your RDBMS selection is displayed.

15. Enter the following RDBMS specific connection information into the Configure RDBMS Repository window according to Table 7 through Table 10 on page 44.

Table 7: IBM DB2 Personal Edition Connection Information

Text Box	Entry
Destination Folder	The path to store IBM DB2 Personal Edition software.
DB2 Database Name	The database application name. The default is ANALYZ65.
DB2 Administrator Name	The DB2 administrator's username.
DB2 Administrator Password	The password for the DB2 administrator's username.

Table 8: DB2 7.2 and 8.1 Connection Information

Text Box	Entry
DB2 Server	The explicit database server name. Using "localhost" is not recommended
DB2 Database Name	The database application name. The default is ANALYZ65.
DB2 Administrator Name	The DB2 Administrator's username.
DB2 Administrator Password	The password for the DB2 administrator's username.

Table 8: DB2 7.2 and 8.1 Connection Information(Continued)

Text Box	Entry
Port	The port number used for client-server communication; the default is 50000
JDBC Driver Path	The path to the JDBC driver; the default filename is `db2java.zip`.

Table 9: Oracle Connection Information

Text Box	Entry
Oracle Server	The explicit database server name. Using "`localhost`" is not recommended.
Oracle SID	The Oracle SID.
Oracle Tablespace Name	The name of the Oracle tablespace.
Oracle Username	The Root account username.
Oracle Password	The password for the Root account username.
Port	The port used for client-server communication.
JDBC Driver Path	The path of the Oracle JDBC driver; the default filename is `classes12.zip`.

Table 10: SQL Server 2000 Connection Information

Text Box	Entry
MSSQL Server	The explicit database server name. Using "`localhost`" is not recommended.
SQL Server Database Name	Enter the database application name; the default database name is `ANALYZ65`.
SQL Server Administrator User Name	The username for the SQL Server Administrator.
SQL Server Administrator Password	The password for the SQL Server Administrator.

Table 10: SQL Server 2000 Connection Information(Continued)

Text Box	Entry
JDBC Driver Path	The path to the Microsoft SQL Server JDBC driver. The default filename is `mssqlserver.jar`.
Master Port (Advanced)	The port number used for client-server communication; the default port number is 1433.
DB Port (Advanced)	The port used for server to database communication; the default port number is 1433.

16. Optional: To ensure the connection information is entered correctly, click **Test Connection** when installing Hyperion Analyzer to an existing RDBMS repository type.

At this point in the installation process you can specify the JDBC drivers for an RDBMS type to establish a drill-through connection with another, existing database. This second set of RDBMS type and JDBC driver selections that supports relational drill-through functionality is optional.

17. Take one of the following actions:

- If a drill-through connection is not required, proceed to .

- If a drill-through connection is required, select an available RDBMS type:

    – DB2 7.2 Fixpack 7 Enterprise

    – DB2 8.1 Enterprise

    – Oracle 8.17

    – Oracle 9.2.7

    – MS SQL Server 2000 SP3

    – Teradata 4.1

    A corresponding JDBC driver path field is displayed.

18. Enter or browse to the path name of the JDBC driver. For example, the JDBC driver file name for Oracle is `classes12.zip`.

19. Click **Next**.

The Configure Hyperion Analyzer window is displayed, as shown in .

Completing the Windows installation of Hyperion Analyzer involves configuring the installation and reviewing the installation summary.

Figure 14: Hyperion Analyzer Installation Configure Hyperion Analyzer Window

20. Enter the appropiate information into the following fields:

- In the **Destination Folder** text box, enter the path where you want Hyperion Analyzer software to be installed. The default is:
  `<drive>\hyperion\analyzer`

- In the **Servlet Engine Name** text box, type the name of the Servlet Engine. The default is Analyzer6_Server.

- In the **RDBMS Repository Username** text box, enter the username of a valid RDBMS user with Administrator privileges.

- In the **RDBMS Repository Password** text box, enter the valid password for the username.

21. Click **Next**.

The Installation Summary window is displayed. The summary provides a list of configuration selections you have made.

22. Review the summary and take one of the following actions:

- To make corrections in the installation configuration, click **Back**.

- If the configuration is correct, click **Next**.

Hyperion Analyzer is installed. When the installation is complete, the Setup Complete window is displayed. A checkbox is displayed to view the installation logfile only if there are installation errors.

Figure 15: Hyperion Analyzer Installation Setup Complete Window
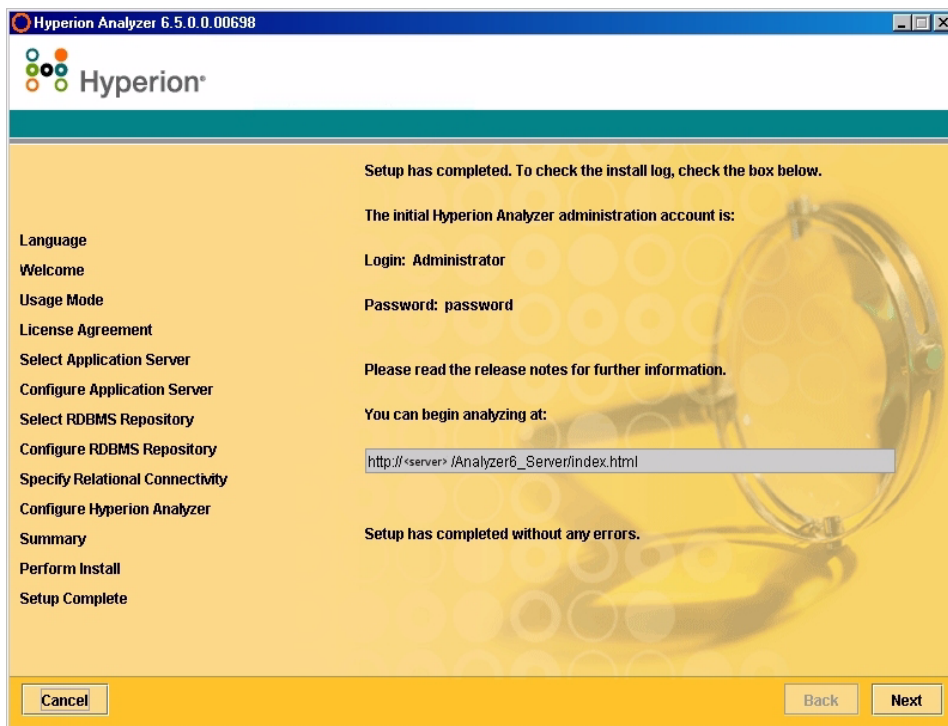
Note: The default user and password are Administrator and password respectively. The default domain is Analyzer. The installation log file is located in the `<Destination Folder>`/hyasetup.`<timestamp>`.log, where `<Destination Folder>` is the directory where Hyperion Analyzer software is installed and `<timestamp>` is the date and time of installation.

23. Click **Next**.

The Setup Complete window closes and the installation of Hyperion Analyzer for Windows is complete.

24. Reboot the computer for IBM WebShere application server installations only.

After Installing Hyperion Analyzer

Before launching Hyperion Analyzer, you must perform are described in the following topics applicable to your installation choices:

- "Deciding System Variable Setting Methods" on page 48
- "Setting and Sourcing PATH Variables" on page 49
- "Manual Deployment of WebSphere and WebLogic" on page 52
- "Configuring External and Application Security" on page 52
- "Starting the Hyperion Essbase OLAP Server" on page 53
- "Starting RDBMS Services" on page 53
- "Starting the Hyperion Analyzer Server" on page 53

Deciding System Variable Setting Methods

There is a great deal of flexibility in your Hyperion Analyzer installation choices. With that flexibility you will be required to make configuration decisions. The following table provides a matrix of selecting how system variables are set or sourced and when this requires rebooting the server prior to starting the application server and using Hyperion Analyzer.

Table 11: Setting PATH Variables Matrix

Application Server	Installation Choice	Manual Set Variables	Reboot
Apache Tomcat	Batteries Included	No	No
IBM WebSphere	preinstalled	No	Yes
Apache Tomcat	preinstalled	Set system variables. See "Setting Variables for Existing Apache Tomcat" on page 49.	Yes

Table 11: Setting PATH Variables Matrix(Continued)

Application Server	Installation Choice	Manual Set Variables	Reboot
Apache Tomcat	preinstalled	Source system variables. See "Sourcing Variables for Existing Apache Tomcat" on page 50.	No
BEA WebLogic	preinstalled	Set system variables. See "Setting the PATH Variables for BEA Weblogic" on page 50.	Yes
BEA WebLogic	preinstalled	Source system variables. See "Sourcing the PATH Variables for BEA WebLogic" on page 51.	No

Setting and Sourcing PATH Variables

The PATH variable needs to be set or sourced for your Windows system before starting the existing Apache Tomcat or BEA Weblogic application server and using Hyperion Analyzer. The PATH variable can be set using:

● The system control panel

● The startup script

Setting the PATH variable in the System Control Panel sets the variable when the computer is started and requires rebooting the computer. Sourcing the variable with the application server startup script goes into affect only for the current application server session and does not require rebooting the computer. This provides flexibility in how setting the PATH variable is implemented.

Setting Variables for Existing Apache Tomcat

➤ To set the PATH variable using the System Control panel:

1. Open the Windows **System Control Panel** and click the **Advanced** tab.

2. Click the **Environment Variables** button

3. Edit the PATH system variable to include the following paths with semi-colon delimiters:
   ```
   %ANALYZER_INSTALL_ROOT%/adm/bin/nt
   %ANALYZER_INSTALL_ROOT%/common
   ```

4. Click **OK** to close the Environment Variables dialog box.

5. Click **OK** to close the **System Control Panel**.

6. Reboot the computer.

CAUTION: You must reboot the computer after setting PATH variables for the variables to take effect and Hyperion Analyzer to operate properly.

Sourcing Variables for Existing Apache Tomcat

➤ To source the PATH variables for Apache Tomcat with the application server startup script:

1. Ensure that the application server is stopped.

2. Locate the Hyperion Analyzer `startup.bat` file in your application server installation. For example, in the batteries included installation of Apache Tomcat, the path is:
`c:\hyperion\analyzer\appserver\bin`

3. Edit the startup.bat file to includesetting the PATH variable:
`"call %analyzerinstallroot%\analyzer_env.bat"`

4. **Save** and **Close** the `startup.bat` file.

5. Right-click on the shortcut to Hyperion Analyzer found at **Start>Hyperion Solutions>Hyperion Analyzer 6.5>Start Analyzer Server**, and click **Properties**.

6. Edit the **Target** path from `analyzer_statup.exe` to `startup.bat` without modifying any other part of the path.

7. Click **OK**.

Setting the PATH Variables for BEA Weblogic

The PATH variable needs to be set for your Windows system before starting the application server and using Hyperion Analyzer. The PATH variable can be set using the System Control panel. This sets the variable when the computer is started and requires rebooting the computer.

➤ To set the PATH variable for BEA Weblogic using the System Control panel:

1. Open the Windows **System Control Panel** and click the **Advanced** tab.

2. Click the **Environment Variables** button.

3. Edit the PATH system variable to include the following paths with semi-colon
   delimiters:
   ```
   %ANALYZER_INSTALL_ROOT%/adm/bin/nt
   %ANALYZER_INSTALL_ROOT%/common
   ```

4. Click **OK** to close the environment variables dialog.

5. Click **OK** to close the Control Panel.

6. Reboot the computer.

CAUTION: You must reboot the computer after setting PATH variables for
the variables to take effect and Hyperion Analyzer to operate properly.

Sourcing the PATH Variables for BEA WebLogic

If BEA WebLogic is used as your application server, you can source the PATH
variables in the startup script. This is accomplished by editing the
`startWebLogic.cmd` file. There are several tasks accomplished by doing this:

● Setting the CLASSPATH variables for BEA WebLogic

● Configuring the JAVAHOME variables

● Calling the `analyzer_env.bat` file

When `analyzer_env.bat` file is called it creates connections to the Hyperion
Analyzer repository, other JDBC connections, and sets path variables required to
enable Hyperion Essbase connections. The following procedure guides you
through the task of sourcing the system variables:

➤ To source system variables for BEA WebLogic with the application server startup
   script:

1. Ensure that the application server is not running.

2. Locate the `startWebLogic.cmd` file by navigating to the following path:

   `\<beainstall>\wlserver6.1\config\<domainname>\startWebLogic.cmd`

3. Where `<beainstall>` is the path where BEA WebLogic is installed, and
   `<domainname>` is the name of the domain created in BEA WebLogic.

4. Edit the file to reflect the following changes:

```
"set CLASSPATH=.;.\lib\weblogic_sp.jar;.\lib\weblogic.jar;
%CLASSPATH%"
```

```
""%JAVA_HOME%\bin\java" -hotspot -ms128m -mx256m -classpath
"%CLASSPATH%"..."
"call %analyzerinstallroot%\analyzer_env.bat"
```

Where %*analyzerinstallroot*% is the root directory of where Hyperion
Analyzer is installed. The default is `c:\hyperion\analyzer`

Note: The changes to the values -ms and -mx are the suggested minimum values.

5. Save and **Close** the `startWebLogic.cmd` file.

Manual Deployment of WebSphere and WebLogic

If an existing installation of IBM WebSphere or BEA WebLogic are selected as the
application server to deploy Hyperion Analyzer into, some manual deployment
configurations must be executed before continuing. The following chapters
provide the procedures and information required to deploy manually to the
application servers:

● Chapter 4, "Deploying Hyperion Analyzer into IBM WebSphere"

● Chapter 5, "Deploying Hyperion Analyzer to BEA WebLogic"

Configuring External and Application Security

Once Hyperion Analyzer has been installed, at any time you have the option of
implementing one of several security methods. Security can be broken down into
external authentication and internal authorization. Hyperion Analyzer provides the
following options for implementing security:

● Analyzer Security (default)

● Essbase Security

● External Authentication

The default Hyperion Analyzer security configuration is application security.
Without a valid username and password, which is contained in the Hyperion
Analyzer repository, you are not authenticated as a user in Hyperion Analyzer.

Although not required for Hyperion Analyzer to operate, it is advisable to implement an external authentication method for integrating with other Hyperion products. This is provided by utilizing existing Hyperion Essbase security or configuring an existing authentication method such as the following:

- Lightweight Directory Access Protocol (LDAP)

- Microsoft Windows NT LAN Manager (NTLM)

- Microsoft Active Directory (MSAD)

For more information on these security options see Chapter 4 "Managing Security Access" of the *Hyperion Analyzer Administrator's Guide*.

Starting the Hyperion Essbase OLAP Server

➤ To start the Essbase OLAP server:

   1. From the Windows desktop, click **Start > Programs > Hyperion Solutions > Hyperion Essbase > Essbase OLAP Server**.

   2. Enter a valid password and press **Enter**.

Starting RDBMS Services

Starting IBM DB2 Enterprise Personal Edition

If you selected and installed IBM DB2 Enterprise Personal Edition as your repository, ensure that the following services are started:

- DB2 – DB2

- DB2 – DB2DAS00

- DB2 JDBC Applet Server

Starting the Hyperion Analyzer Server

Follow the instructions in your application server documentation to start application servers other than Apache Tomcat. If you selected Apache Tomcat as your application server, the next section provides starting and stopping procedures.

Starting and Stopping the Tomcat Application Server

If you selected the Apache Tomcat application server during the installation process, you must start the server before launching Hyperion Analyzer and stop the server when your work is complete.

➤ To start the Apache Tomcat application server click **Start > Programs > Hyperion Solutions > Hyperion Analyzer 6.5 > Start Analyzer Server**.

➤ To stop the Apache Tomcat application server click **Start > Programs > Hyperion Solutions > Hyperion Analyzer 6.5 > Stop Analyzer Server**.

Starting Hyperion Analyzer

Deploy the following Hyperion Analyzer launch page URL to your users:

`http://<hostname>/Analyzer6_Server/index.html`

➤ To start the Hyperion Analyzer Client:

1. Open a browser, enter the launch page URL, and press **Enter**.

The Hyperion Analyzer Launch Page is displayed.

Figure 16: Hyperion Analyzer Launch Page

2. Select from the following list of options:

- Java Web Client

- HTML Web Client

- Administration Tools Client

- Analysis Server Console

The selected option opens in a new browser window. The appropriate client starts and the Login page is displayed.

Note: If you do not have the correct Java console, you are prompted to permit it to be automatically installed.

3. Enter a valid **User ID** and **Password**, then click **Login**.

The Hyperion Analyzer option is displayed in the browser.

The Hyperion Analyzer Launch Page

The Hyperion Analyzer Launch Page is a great source of information and other Hyperion Analyzer resources. From the Launch Page you can:

● Link to Essbase.com

● Launch the Information Map

● See instructions on how to install a sample report group

● Access to the *Hyperion Analyzer API Toolkit Jump Start Guide*

● Launch a sample HTML Web Client

Configuring Microsoft IIS Web Server

When employing Microsoft Internet Information Services (IIS) in conjunction with the Apache Tomcat 4.0.4 application server, you must manually configure the Microsoft IIS Web server.

➤ To configure Microsoft IIS for Apache Tomcat:

1. Add a virtual directory called "jakarta" to the directory containing the `isapi_redirect.dll` (hyperion/analyzer/appserver/bin), and set permissions to read and execute.

2. Add an ISAPI filter called "jakarta" to the same directory.

3. Restart Microsoft IIS.

Manually Configuring Microsoft IIS Procedure

➤ To add a virtual directory and set permissions:

1. Run the Microsoft IIS Internet Service Manager, Click the **plus sign** (+) to expand the Web server name node, then select the **Default Web site**.

2. Right-click and select **Properties**.

   The Default Web Site Properties dialog box is displayed.

3. Click the **Directory Security** tab.

4. In the Anonymous Access and Authentication Control section, click **Edit**.

   The Authentication Methods dialog box is displayed.

5. Ensure that the Anonymous User is a valid Windows NT user with read, write or change privileges, then click **OK**.

6. Right-click the **Default Web site** again, and select **New > Virtual Directory**.

   The Virtual Directory Creation dialog box is displayed.

7. Enter **Jakarta** as the virtual directory name, then click **Next**.

8. Enter the path to the directory containing the `isapi_redirect.dll` (`hyperion/analyzer/appserver/bin`), then click **Next**.

9. Ensure the **Allow Read Access** and **Allow Execute Access** checkboxes are selected, then click **Finish**.

   The Virtual Directory is displayed in the tree below the Default Web site.

10. Select the **Default Web site**, then right-click and select **Properties**.

    The Default Web Site Properties dialog box is displayed.

11. Click the **ISAPI Filters** tab, then click **Add**.

    The Filter Properties dialog box is displayed.

12. Enter **Jakarta** as the filter name.

13. Enter the path to the directory containing the `isapi_redirect.dll` file (`hyperion/analyzer/appserver/bin`), then click **OK**.

14. Restart Microsoft IIS.

Chapter 3

What's Installed?

This chapter provides information about what is installed with Hyperion Analyzer and where it is located. Installation locations are based on the deployed application server. In general however, Hyperion Analyzer is structured as described in the tables in the following sections.

Hyperion Analyzer Top-Level Directories

Where ever Hyperion Analyzer is installed on your system, the following table lists the directories under the top level of the `\analyzer` directory.

Table 12: Hyperion Analyzer Top-Level Directories

Directory	Description
`adm`	The directory containing Hyperion Analytical Data Model highest directory level (a Java API to Hyperion Essbase)
`appserver`	The directory containing the application server installed with Hyperion Analyzer
`common`	The directory containing the DLL used for implementing external authentication
`conf`	The directory containing configuration files
`css`	The directory containing JRE jar files for implementing external authentication
`jdk`	The directory containing the Java SDK files
`utils`	The directory containing the migration utilities for previous versions of Hyperion Analyzer

Table 12: Hyperion Analyzer Top-Level Directories(Continued)

Directory	Description
wp_output	The directory used for Web publishing functions within Hyperion Analyzer for application servers other than Apache Tomcat
wp_templates	The directory used for Web publishing templates within Hyperion Analyzer for application servers other than Apache Tomcat

Hyperion Analyzer Server Directories

If you have installed Apache Tomcat with Hyperion Analyzer the server directories are in the following directory path:
`\hyperion\analyzer\appserver\webapps\Analyzer6_Server\`

If you have installed Hyperion Analyzer in an existing Apache Tomcat installation the server directories are in the following directory path:
`<tomcatinstallroot>\appserver\webapps\Analyzer6_Server\`

If you installed Hyperion Analyzer into an existing Application server the directories are in the following directory path:
`\hyperion\analyzer\`

All of the Hyperion Analyzer files are contained in the `Analyzer.ear` file. See Chapter 4, "Deploying Hyperion Analyzer into IBM WebSphere," or Chapter 5, "Deploying Hyperion Analyzer to BEA WebLogic," for more information about deploying the EAR file.

The directory contains an `\Ear` subdirectory. This contains the contents of the EAR file. When changes are made to the deployment, they can be made to this directory. Then when it is time to redeploy the EAR file, you can rebuild it using the \analyzer\utils\rebuild_ear.bat file.

Table 13: Hyperion Analyzer Server Directories

Directory	Description
analyzer	This directory is for later use by Hyperion Analyzer.
Help	This directory containing the documentation for Hyperion Analyzer

Table 13: Hyperion Analyzer Server Directories(Continued)

3

Directory	Description
images	This directory containing the graphics used by the launch page.
images_launch	This directory contains
logs	This directory is for later use by Hyperion Analyzer.
samples	This directory contains the .arg files for installing the Hyperion Analyzer sample report groups.
temp	This directory is for later use by Hyperion Analyzer.
templates	This directory contains report templates used by the Java Web Client.
templates_de	This directory contains report templates used by the Java Web Client in German.
templates_fr	This directory contains report templates used by the Java Web Client. in French.
templates_ja	This directory contains report templates used by the Java Web Client. in Japanese.
templates_javalook	This directory contains report templates used by the Java Web Client in an alternate look and feel.
templates_toggle	This directory contains alternate report templates used by the Java Web Client.
WEB-INF	This directory contains other application server configuration and library files.
wp_output	This directory is used for Web publishing functions within Hyperion Analyzer. This directory is located here only for Apache Tomcat.
wp_templates	This directory is used for Web publishing functions within Hyperion Analyzer. This directory is located here only for Apache Tomcat.

Chapter 4

Deploying Hyperion Analyzer into IBM WebSphere

If you are using IBM WebSphere, you must manually deploy Hyperion Analyzer into a previously installed IBM WebSphere application server. It is assumed that all system requirements have been met and that the Hyperion Analyzer installation has been executed, including the selection of IBM WebSphere as the application server.

Deploying to IBM WebSphere

Deploying to IBM WebSphere Advanced Edition

The following procedures are described for IBM WebSphere Advanced Edition. Those using IBM WebSphere Advanced Edition Single Server, should proceed to .

Installing the Web Application

➤ To install the Hyperion Analyzer Web application:

1. Copy the output `Analyzer65.ear` enterprise archive file from the location designated as the destination folder.

You have the option of placing a copy of the `Analyzer65.ear` in the WebSphere `Installable Apps` directory.

CAUTION: Do not place the archive file in the `InstalledApps` directory or Hyperion Analyzer is unable to start.

---

2. Open the WebSphere Administration Server Console.

   3. Right-click the **Enterprise Applications** node in the navigation window (on the left side of the console interface).

   4. Select **Install Enterprise Application**.

   Note: Leave the Application Name field blank on this window.

   5. Click **Browse**, navigate to the `Analyzer65.ear` enterprise archive file located in the default Installable Apps directory, and open it.

   6. Click **Next**.

Setting Up WebSphere Security

During the deployment process, you are prompted to set up WebSphere system security by the Mapping Users to Roles dialog box.

➤ To set up WebSphere security and define user permissions:

   1. With the **Everyone** label selected, click the **Mapping Users to Roles** select button.

   2. In the **Select Users/Groups – Everyone** dialog box, select the **Everyone (No authentication)** check box, then click **OK**.

   WebSphere indicates that all Hyperion Analyzer users belong to a single security group, called Everyone. You can specify Hyperion Analyzer roles and permissions later, using Hyperion Analyzer Administration Tools.

   3. Proceed through the next series of installation pages until you reach the **Selecting Application Servers** page.

   This window enables IBM WebSphere Enterprise Server Edition to specify the application servers in the network cluster supporting Hyperion Analyzer.

   The **Confirm the Following** is the last page in the series.

   4. Ensure that the node, port, and the fully qualified pathname to the `InstalledApps` directory are displayed in the **Confirm the Following** page.

   These descriptions must be correct and match the information you provided to the Hyperion Analyzer installation exactly. If they do not, you have the option of reinstalling or modifying the `web.xml` configuration file manually.

   5. Click **Finish** to complete installation of the enterprise application.

Changing the IBM HTTP Server httpd.conf file

Note: This procedure is for Windows only.

➤ To change the `httpd.conf` file:

1. Use a text editor to open the IBM HTTP Server httpd.conf file. The default location is `C:\IBM_HTTP_Server\Conf\httpd.conf`.

2. Search for the following information:

```
AfpaEnable
AfpaCache on
AfpaLogFile "d:\IBM HTTP Server\logs\afpalog" V-ECLF
```

3. Comment out these three lines by entering a pound sign (#) at the beginning of each line, as follows:

```
# AfpaEnable
# AfpaCache on
# AfpaLogFile "d:\IBM HTTP Server\logs\afpalog" V-ECLF
```

Regenerating the Web Server Plug-in

➤ To regenerate the Web Server Plug-in:

1. Open the WebSphere 4 Administration Server Console.

2. Expand the **Nodes** node in the navigation window (at the left side of the console interface).

3. Right-click the server node where Hyperion Analyzer is installed.

4. Select **Regen Webserver Plug-in**.

5. Go to Microsoft Windows Services and stop and start the IBM HTTP Server.

6. Reboot the WebSphere server for the new environmental variables to take effect.

Start the Hyperion Analyzer Web Application

➤ To start the Hyperion Analyzer Web application:

1. Open the WebSphere Administration Server Console.

2. Expand the **Enterprise Application** node in the navigation window (on the left side of the console interface).

   3. Right-click the **Hyperion Analyzer** application.

   4. Select **Start**.

   5. Open a Web browser and enter the URL provided in the last window of the Hyperion Analyzer installation. The default URL is `http://Analyzer6_Server/index.html`.

   The Hyperion Analyzer launch page is displayed, and you can begin multidimensional and relational analysis with the Hyperion Analyzer client of your choice.

Deploying to Advanced Edition Single Server

Installing the Web Application

➤ To install the Hyperion Analyzer enterprise application:

   1. Copy the output `Analyzer65.ear` enterprise archive file from the location designated as the destination directory. The default is `C:\Hyperion\Analyzer`.

   You have the option of placing a copy of the archive in the WebSphere `Installable Apps` directory.

CAUTION: Do not place the archive file in the `InstalledApps` directory or Hyperion Analyzer is unable to start.

---

   2. Open the WebSphere Administration Server Console.

   3. Expand the **Nodes** node and the server node where Hyperion Analyzer is to be installed, then select **Enterprise Application**.

   4. Click the **Install** button.

Note: Leave the Application Name field blank on this window.

   5. Use the **Browse** button to navigate to the enterprise archive file; the default is the `Installable Apps` directory.

6. Click **Next**.

Set Up WebSphere Security

During the deployment process you are prompted to set up WebSphere system security. The WebSphere Application Installation Mapping Roles to Users page indicates that all Hyperion Analyzer users belong to a single security group, called Everyone.

➤ To set up WebSphere security and define user permissions:

1. In the **Mapping Roles to Users** page, select the **Special Subjects Everyone** check box.

You can specify Hyperion Analyzer roles and permissions later, using Hyperion Analyzer Administration Tools.

The **Confirm the Following** is the last page in the series.

2. Ensure that the node, port, and the fully-qualified pathname to the InstalledApps directory are displayed in the **Confirm the Following** page.

These descriptions must be correct and match the information that you provided to the Hyperion Analyzer installation exactly. If they do not, you have the option of reinstalling or modifying the web.xml configuration file manually.

3. Click **Finish** to complete installation of the enterprise application.

Changing the IBM HTTP Server httpd.conf file

➤ To change the httpd.conf file:

1. Use a text editor to open the IBM HTTP Server httpd.conf file. Its default location is C:\IBM_HTTP_Server\Conf\httpd.conf.

2. Search for the following information:

```
AfpaEnable
AfpaCache on
AfpaLogFile "d:\IBM HTTP Server\logs\afpalog" V-ECLF
```

3. Comment out these three lines by entering a pound sign (#) at the beginning of each line as follows:

```
# AfpaEnable
# AfpaCache on
# AfpaLogFile "d:\IBM HTTP Server\logs\afpalog" V-ECLF
```

Regenerating the Web Server Plug-in

➤ To regenerate the Web Server Plug-in:

1. Open the WebSphere 4 Administration Server Console.

2. Expand the **Nodes** node and the server node where Hyperion Analyzer is installed. Expand the **Application Servers** node, then click **Default Server**.

3. Under the **Advanced Settings** banner, click **Web Server Plug-in Configuration**.

4. Click the **Generate** button.

5. Go to Microsoft Windows Services and stop and start the IBM HTTP Server.

6. Reboot the WebSphere server for the new environmental variables to take effect.

Starting the Hyperion Analyzer Web Application

➤ To start the Hyperion Analyzer Web application:

1. Open the WebSphere Administration Server Console.

2. Locate and expand the **Nodes** node and the node where Hyperion Analyzer is installed.

3. On the left side of the console interface, click the **Enterprise Application** node in the navigation page.

4. Select the new Web application item checkbox (Analyzer65).

5. Click the **Start** button.

6. For instructions on continuing with the installation by returning to the section; Configuring External and Application Security of the installation in Chapter 2.

Hyperion Analyzer Installation Guide for Windows

Chapter 5

Deploying Hyperion Analyzer to BEA WebLogic

Deploying to BEA WebLogic

You must manually deploy Hyperion Analyzer into a previously installed BEA WebLogic 6.1 or 7.0 application server.

➤ To manually deploy Hyperion Analyzer to a BEA WebLogic 7.0 application server:

1. Start the BEA WebLogic Server.

2. Start the WebLogic Server Console.

3. Navigate to **Deployments>Applications**, then click **Configure a new Application**.

   Steps for deployment are displayed on this Web page. Under Step 2 a series of hyperlinks follows the "Listing of" text.

4. Click the correct drive and navigate to the newly created enterprise archive (EAR) file.

5. When the correct EAR file is displayed, click its corresponding **[select]** hyperlink.

   Step 3 of the deployment process prompts you to indicate the server to which the EAR file is deployed.

6. Select an **Available Server**, and move it to the **Target Server** window using the arrow button control.

7. Enter a name for the Application in the **Step 4** field, the default is "Analyzer65".

8. Click the **Configure and Display** control button.

   The WebLogic Server EAR file is configured and deployed.

9. Continue with the installation by returning to the section; "Configuring External and Application Security" on page 52 of the installation in Chapter 2.

Chapter

6

Creating Repositories with Scripts

Database administrators might want to create repositories by running scripts rather than distributing their security information. All SQL scripts can be stored in one of the following locations:

- The SQLScripts.zip archive in the CD-ROM Repository subdirectory

- TEMP/_hya_tmp directory(after installation)

Scripts can be run for each of the RDBMS types that Hyperion Analyzer supports. The following sections contain the procedures for creating repositories:

Creating the Repository for IBM DB2

There are three scripts for creating an IBM DB2 repository:

- AnalyzerCreateDatabaseDB2.sql creates an IBM DB2 7.2 Enterprise Server Edition database.

- AnalyzerCreateTablesDB2.sql creates all repository tables for both editions of DB2.

- AnalyzerDefaultDataDB2.sql populates tables with Hyperion Analyzer default configuration data (IBM DB2 7.2 Enterprise Server Edition).

➤ To create an IBM DB2 repository:

1. Open the `AnalyzerCreateDatabaseDB2.sql` script in an SQL editor and modify the following parameters:

Table 14: `AnalyzerCreateDatabaseDB2.sql` *Script Parameters for IBM DB2*

Parameter	Description
****CAPSDBNAME****	The Hyperion Analyzer database name. Replace with `ANALYZ65`.
****DBNAME****	The Hyperion Analyzer database name. Replace with `ANALYZ65`.
****DB2USERNAME****	Replace with the user ID of the DB2 Administrator.
****DB2PASSWORD****	Replace with the corresponding DB2 Administrator's password.
****CAPSUSER****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.

Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

2. Save your modifications and run the SQL script.

3. Open the `AnalyzerCreateTablesDB2.sql` script in an SQL editor and modify the following parameters:

Table 15: `AnalyzerCreateTablesDB2.sql` *Script Parameters for IBM DB2*

Parameter	Description
****CAPSDBNAME****	The Hyperion Analyzer database name. Replace with ANALYZ65.
****DBNAME****	The Hyperion Analyzer database name. Replace with ANALYZ65.
****DB2USERNAME****	The user ID of the DB2 administrator.

Table 15: `AnalyzerCreateTablesDB2.sql` *Script Parameters for IBM*

Parameter	Description
****DB2PASSWORD****	Replace with the corresponding DB2 Administrator's password.
****CAPSUSER****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.

4. Save your modifications and run the SQL script.

5. Open the `AnalyzerCreateDatabaseDB2.sql` script in an SQL editor and modify the following parameters:

Table 16: `AnalyzerCreateDatabaseDB2.sql` *script Parameters for IBM DB2*

Parameter	Description
****CAPSDBNAME****	The Hyperion Analyzer database name. Replace with ANALYZ65.
****CAPSUSER****	Replace with an RDBMS repository username with which an administrator can access the database application.

Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

6. Save your modifications and run the SQL script.

Creating the Repository for Oracle

There are four scripts for creating a Oracle repository:

● `AnalyzerCreateDatabaseOracle8i.sql` creates the Oracle database.

● `AnalyzerCreateTablesOracle8i.sql` creates the Hyperion Analyzer repository tables.

- `AnalyzerDefaultDataOracle8i.sql` populates the tables with Hyperion Analyzer default configuration data.

- `AnalyzerCreateRemoveOracle8i.sql` is a script used internally by the create database script.

➤ To create an Oracle repository:

1. Open the `AnalyzerCreateDatabaseOracle8i.sql` script in a SQL editor and modify the following script parameters:

   Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

Table 17: `AnalyzerCreateDatabaseOracle8i.sql` *script Parameters for Oracle*

Parameter	Description
****DB2USERNAME****	Replace with the user ID of the Oracle Administrator.
****DB2PASSWORD****	Replace with the corresponding Administrator's password.
****CAPSUSER****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.
****PASSWORD****	Replace with the corresponding CAPSUSER password.

2. Run the `AnalyzerCreateDatabaseOracle8i.sql` script.

3. Open the `AnalyzerCreateTablesOracle8i.sql` script in a SQL editor and modify the following script parameters:

Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

Table 18: `AnalyzerCreateTablesOracle8i.sql` *Script Parameters for Oracle*

Parameter	Description
****USERNAME****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.

4. Run the `AnalyzerCreateTablesOracle8i.sql` script.

5. Open the `AnalyzerDefaultDataOracle8i.sql` script in a SQL editor and modify the following script parameters:

Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

Table 19: `AnalyzerDefaultDataOracle8i.sql` *Script Parameters for Oracle*

Parameter	Description
****DB2USERNAME****	Replace with the user ID of the Oracle Administrator.
****DB2PASSWORD****	Replace with the corresponding Administrator's password.
****USERNAME****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.

6. Run the `AnalyzerDefaultDataOracle8i.sql` script.

Creating the Repository for SQL Server

There are four scripts for creating a SQL Server repository:

- `AnalyzerCreateDatabaseMSSQL.sql` creates the SQL Server database.

- `AnalyzerCreateTablesMSSQL.sql` creates the Hyperion Analyzer repository tables.

- `AnalyzerDefaultDataMSSQL.sql` populates the tables with Hyperion Analyzer default configuration data.

- `AnalyzerRemoveDatabasesMSSQL.sql` is a script used internally by the create database script.

➤ To create an SQL Server repository:

1. Open the `AnalyzerCreateDatabase.sql` script in a SQL editor and modify the following script parameters:

   Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See `TEMP/_hya_tmp`.

Table 20: `AnalyzerCreateDatabase.sql` *Script Parameters for SQL Server*

Parameter	Description
****DBNAME****	The Hyperion Analyzer database name. Replace with ANALYZ65.
****USERNAME****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.
****PASSWORD****	Replace with the corresponding USERNAME password.

2. Run the `AnalyzerCreateDatabaseMSSQL.sql` script.

3. Open the `AnalyzerCreateTablesMSSQL.sql` script in a SQL editor and modify the following script parameters:

   Note: Administrators do not need to modify the SQL if they use the SQL scripts generated by the installation. See TEMP/_hya_tmp.

Table 21: `AnalyzerCreateTablesMSSQL.sql` *Script Parameters for SQL Server*

Parameter	Replace With
****USERNAME****	Replace with an RDBMS repository username with which an administrator can access the database application. **Note:** The username can have a maximum of eight (8) characters.

4. Select the correct database from the query analyzer tool drop-down list box.

5. Run the `AnalyzerCreateTablesMSSQL.sql` script.

6. Run the `AnalyzerDefaultDataMSSQL.sql` script.

Hyperion Analyzer Installation Guide for Windows

Importing Hyperion Analyzer Sample Reports

Hyperion Analyzer provides sample reports contained in two report groups for you to import into your Hyperion Analyzer repository based on the Hyperion Essbase sample application:cube called Sample:Basic. The following topics describe how to import the Sample Reports and the API Samples report groups:

The procedures assume the following conditions:

● Hyperion Analyzer is installed.

● A valid Essbase OLAP server has been started.

● A valid application server has been started.

Importing Sample Reports

Creating a Database Connection

It is necessary to create a database connection to the Hyperion Essbase cube before importing the sample reports.

➤ To import the sample report group and reports:

  1. Start Hyperion Analyzer Java Web client.

  2. Start a supported Web browser.

  3. Select **File > Open**.

4. Enter the URL of the Hyperion Analyzer launch page (as copied from the last installation window), and press **Enter**.

For example:

```
http://<servername>/ Analyzer6_Server/webapp/Analyzer6/index.html
```

5. On the Hyperion Analyzer **Launch Page**, click the **Java Web Client** link.

The Login page is displayed.

6. Enter a valid user ID and password (Administrator/password) and click **OK**.

7. In Hyperion Analyzer, select **Tools > User Preferences** from the drop-down menu.

The User Preferences dialog box is displayed.

8. Click the **Connections** screen name in the navigation window.

The Connections User Preferences tab is displayed.

9. Click the **Add New** button.

The Select Database Type dialog box is displayed.

10. Select **Hyperion Essbase** from the drop-down list and click OK.

The Hyperion Essbase Login dialog box is displayed.

11. Specify the Hyperion Essbase server, and a valid Hyperion Essbase user ID and password, then click **OK**.

The List Databases dialog box is displayed.

12. Select **Sample:Basic** from the **Available Databases** list and click the right-arrow (>) button.

Sample:Basic is added to the Selected Databases list.

13. Click **OK**.

Sample:Basic is added to the Connections User Preferences list.

14. Click **Apply**, then click **Close**.

Importing the Sample Report Group

It is necessary to import a report group by using the Java Web Client.

Note: You must be and Administrator or Power User and have write privileges to import a report group.

➤ To import a sample report group:

1. From the Java Web Client Menu Bar select **File | Import | Report Group**.

The Open dialog box is displayed.

2. Select the `Sample Reports.ARG` file located in the following directory:

`Hyperion\analyzer\appserver\webapps\Analyzer6_Server\samples`

The Map Connections dialog box is displayed.

3. Select **localhost:Sample:Basic** from the **Exported Connection** list, then select the database connection that you just created in the Available Database Connections list.

4. Click the **Map It!** button.

5. Click **OK**.

6. Type **Sample Reports** for the report group name and click **OK**.

The report group is saved to the repository.

Importing the API Samples Report Group

➤ To import the API Samples report group:

1. From the Java Web Client Menu Bar select **File | Import | Report Group**.

The Open dialog box is displayed.

2. Select the `api_samples.ARG` file located in the following directory:

`Hyperion\appserver\hosts\default_host\Analyzer6_Server\`
`Analyzer6\web\samples`

The Map Connections dialog box is displayed.

3. Select **localhost:Sample:Basic** from the **Exported Connection** list, and then select the database connection you just created from the **Available Database Connections** list.

4. Click the **Map It!** button.

5. Click **OK**.

6. Type **API Samples** for the report group name and click **OK**.

The API Samples report group is saved to the repository.

Chapter

8

Uninstalling Hyperion Analyzer

Uninstalling Hyperion Analyzer from Windows

➤ To remove a Microsoft Windows installation of Hyperion Analyzer:

1. Perform one of the following:

   - If you installed IBM DB2, unininstall it by performing the following:

     – Click **Start>Settings>Control Panel>Administrative Tools>Services**.

     – Stop all DB2 services and return to the **Control panel**.

     – Double-click **Add Remove Programs**. If you installed IBM DB2 Personal Edition, for the purposes of the release, uninstall the following application:
       IBM DB2

   Note: This procedure assumes that you installed Hyperion Analyzer to the default location. If you installed Hyperion Analyzer to an alternate location, ensure that the \analyzer directory and all of its contents are removed.

   - Delete the following directory: C:\Hyperion\analyzer

   Hyperion Analyzer has been removed from your system.

Index

R

RDBMS repository options
  IBM DB2 7.2 Enterprise Sever Edition, 42
  IBM DB2 7.2 Personal Edition, 42
  IBM DB2 8.1 Enterprise Personal Edition, 42
  Oracle 8.1.7, 42
  Oracle 9i, 42
  SQL Server 2000, 42
RDBMS services, starting, 53
repository
  backup, 32
  migration, 32

S

sample database
  Sample Basic, 79
Sample Report Group
  importing, 80
sample reports
  importing, 79
security
  application, 52
server system requirements, 25
setting the PATH variables
  for Apache Tomcat, 49
  for BEA WebLogic, 50
sourcing the PATH variables
  for Apache Tomcat, 50
  for BEA WebLogic, 51
SQL script
  AnalyzerCreateDatabaseMSSQL.sql, 76
  AnalyzerCreateTablesMSSQL.sql, 76
  AnalyzerDefaultDataMSSQL.sql, 76
  AnalyzerRemoveDatabasesMSSQL.sql, 76
  locating, 71
SQL Server
  creating a repository for, 76
SQL Server 2000
  connection information, 44
stand-alone client
  System Requirements, 27
starting
  Hyperion Analyzer, 54
  Hyperion Analyzer server, 53

  Hyperion Essbase OLAP Server, 53
  RDBMS services, 53
starting and stopping
  Apache Tomcat Application Server, 54
System Requirements
  client, 28
  server, 25
  stand-alone client, 27

U

uninstalling
  Hyperion Analyzer from Windows, 83

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