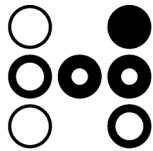


Hyperion® Analyzer

Release 6.1

Installation Guide



Hyperion®

Hyperion Solutions Corporation

D750561000

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Preface

Hyperion Analyzer Installation Guide explains product conventions, concepts, and procedures central to installing Hyperion Analyzer. 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.

Conventions

The following conventions are used in this document:

Table 1: Hyperion Document Conventions

<i>Item</i>	<i>Meaning</i>
➤	Arrows indicate the beginning of a procedure with sequential steps.
1, 2, 3 . . .	Numbers indicate sequential step procedures.
•	Bulleted items indicate a list of related items.
Boldface text	Boldface text indicates an important application component name.
<i>Italic</i> text	Italic text highlights terms of special emphasis.
Courier text	Courier typeface indicates that the user should enter Courier text exactly as it appears.
Properties Caption	The Vertical bar indicates a menu sub-menu item.

Related Documentation

Product Documentation

Hyperion Analyzer Release Notes contains a comprehensive list of new features, fixes, and late-breaking product developments.

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

Hyperion Analyzer Getting Started describes the family of Hyperion Analyzer products, relates terminology central to multidimensional analysis, explains application fundamentals and graphical user interfaces, and leads users through the creation of their first report using the Hyperion Analyzer Java Web Client.

The *Hyperion Analyzer Product Overview* profiles the analysis tools, explains methods for distributing and presenting reports, and tours the Hyperion Analyzer Samples report group.

Client Online Help

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

Hyperion Analyzer HTML Web Client Online Help describes navigation, report creation, and the features specific to the Hyperion Analyzer HTML Web client.

Documents for Administrators

The *Hyperion Analyzer Installation Guide* (this guide) describes Microsoft Windows and UNIX installation options, and system requirements. It summarizes the installation process and information essential to installing and configuring Hyperion Analyzer. This guide includes procedures for establishing a Hyperion Analyzer repository. It also includes troubleshooting and procedures for installing and uninstalling Hyperion Analyzer samples.

The *Hyperion Analyzer Administrator's Guide* describes product features essential to administrators.

Hyperion Analyzer Administration Tools Online Help explains the management of roles, users, user groups, and database connections, as well as provides online help for Hyperion Analyzer Analysis Server administration.

Documents for Developers

The *Hyperion Analyzer API Toolkit Developer's Guide* is an online guide providing detailed information for developers, incorporating Hyperion Analyzer Web technology into custom Web applications.

Ordering Documentation

A complete set of documentation is included on the CD in PDF and HTML format.

To order documentation:

- Visit the Hyperion Web site at 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, in the U.S.A. at (203) 703-3600. Clients who are not serviced by support from North America should call their local support centers.

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 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, in the USA at (203) 703 3600. Clients who are not serviced by support from North America should call their local support centers.

Web Site

You can find up-to-date information on Hyperion service, support, and training programs on our Web site:

www.hyperion.com

The Hyperion Web site offers an array of service and support information, including product news and updates, frequently asked questions, and product download instructions.

Hyperion Analyzer Product Family

Hyperion Analyzer is a product family consisting of these components:

- Four client applications
- An analysis server
- A repository
- An API Toolkit

The **repository** centrally stores Hyperion Analyzer system data, user IDs, user preferences, and report definitions in relational database tables.

The **Hyperion Analyzer Analysis Server** communicates report definitions and system information between the repository, Web clients, and Hyperion Analyzer Administration Tools.

The **Hyperion Analyzer Administration Tools** client provides a 100-percent Java graphical interface for managing users, users groups, and database connections using a supported Web browser.

The **Hyperion Analyzer Java Web Client** is an easy-to-use graphical interface that enables online analysis of both Hyperion Essbase and relational data. Users can design and format custom analysis applications without "coding." Hyperion Analyzer is commonly used to conduct sales, and key performance, financial and forecasting analyses.

The **Hyperion Analyzer Windows Client** is the same easy-to-use Java Web Client interface and functionality delivered as a Java application for supported Microsoft Windows operating systems.

The **Hyperion Analyzer HTML Web Client** is a 100-percent 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.

Developers can incorporate the Hyperion Analyzer Java Web Client look and feel and functionality into their own custom Web applications using the **Hyperion Analyzer API Toolkit**.

Architectural Overview

Hyperion Analyzer functionality is distributed across a multi-tiered architecture:

- Client layer
- Mid-tier layer
- Database server layer

The **client layer** refers to 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 **mid-tier layer** includes:

- The Web server
- The J2EE Application Server
- The Hyperion Analyzer Analysis Server
- Drivers and protocols for communicating with the database server layer

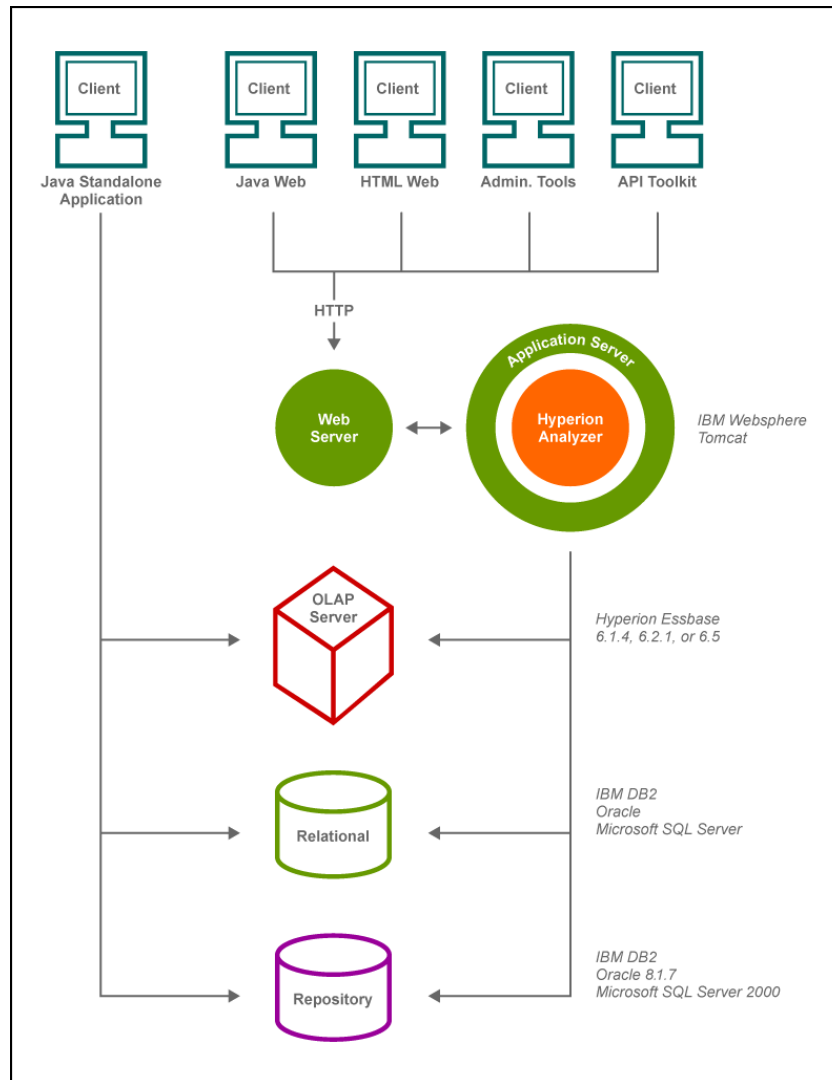
The **database server layer** supports and shares both OLAP and relational databases, and the relational Hyperion Analyzer repository.

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 has been restructured to run inside leading J2EE-compliant application servers. The supported J2EE Application Server shares Hyperion Analyzer business logic, manages network traffic, maintains system security for large numbers of concurrent users, and provides scalability and stability through load balancing and fault tolerance.

Microsoft Windows Architectural Diagram

Through the installation process, Hyperion Analyzer is deployed into a J2EE application server, and Hyperion Analyzer tables are created on one (1) of four RDBMS repository options. The system leverages a Web server to communicate with clients.



Windows Architectural Diagram

Installation Options

Three (3) Hyperion Analyzer 6.1 installation options are offered:

Microsoft Windows Installation

The **setup_win32_hya** installation wizard is provided to those installing Hyperion Analyzer on Microsoft Windows operating systems.

This installation option is launched by default from the Hyperion Analyzer CD-ROM.

Proceed to the *Microsoft Windows Installation* section for more information.

UNIX Installation

Hyperion provides **setup_aix**, and **setup_solaris** shell scripts to those installing Hyperion Analyzer 6.1 Analysis Server and Web clients on either the IBM AIX 4.3.3, or Sun Solaris 8 UNIX operating systems. Users have the option of installing the Tomcat 4.0.1 application server, or using an existing Tomcat, or IBM WebSphere 3.5 application server.

Proceed to the *UNIX Installation* section for more information.

Microsoft Windows Installation

This section outlines all the pre-requisites needed for both Hyperion Analyzer Microsoft Windows operating system installation wizards.

System Requirements

Your systems must satisfy the following application-specific system requirements for Hyperion Analyzer.

Server Hardware Requirements

Minimum 450 MHz CPU with 512 MB RAM

Supported Server Operating Systems

- Microsoft Windows NT 4, Service pack 6
- Microsoft Windows 2000, Service Pack 2

Supported OLAP Servers

- Hyperion Essbase 6.1.4, 6.2.1, and 6.5
- IBM DB2 OLAP Server 7.1, FixPak 4 or greater

Supported Application Servers

Hyperion Analyzer has been re-architected to run inside leading J2EE-compliant application servers. The supported J2EE Application Server shares Hyperion Analyzer business logic, manages network traffic, and maintains system security for large numbers of concurrent users.

- IBM WebSphere 3.5.5 Standard Edition, or Advanced Edition
- Tomcat 4.0.1

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

Tomcat 4.0.1 uses its own internal Web server, or Microsoft IIS 4, or 5.

Hyperion Analyzer supports IBM WebSphere 3.5.5 Standard Edition, or Advanced Edition, using one of the following Web servers:

- Microsoft IIS 4, or 5
- Netscape 3.6 or 4
- IBM HTTP Server 1.3.12

Client Hardware Requirements

Minimum 128 MB RAM free

Supported Client Operating Systems

- Microsoft Windows NT 4, Service Pack 6
- Microsoft Windows 2000, Service Pack 2
- Microsoft Windows XP
- Microsoft Windows 98, services release 2 (Web Clients)

Java Web Client Supported Web Browsers

- Microsoft Internet Explorer 4, 5, or 6
- Netscape Navigator 4.7, 6.1, or 6.2

In order to use the Hyperion Analyzer Java Web Client, Hyperion Analyzer Administration Tools and the Hyperion Analyzer API Toolkit, users must also have:

- Sun Java Plug-in 1.3.0_02

HTML Web Client Supported Web Browsers

- Microsoft Internet Explorer 4, 5, or 6
- Netscape Navigator 6.1, or 6.2

Supported Relational Repositories

Those installing Hyperion Analyzer 6 can use one(1) of four repository options.

- IBM DB2 7.2 Personal Edition, JDBC 2.0
- IBM DB2 7.2 Workgroup and Enterprise Edition, JDBC 2.0
- Microsoft SQL Server 2000
- Oracle 8.1.7

Notes on IBM DB2 Personal Edition

- The username is restricted to eight (8) characters or less!
- Enter the explicit database server name when specifying locations and paths (Refrain from using localhost). Remember, all server names are case-sensitive.
- The IBM DB2 7.2 Personal Edition must be configured to use JDBC 2.0 drivers. Hyperion Analyzer configures this for the user when the install IBM DB2 7.2 Personal Edition option is selected. Those using existing DB2 installations should stop all database services, and then run usejdbc2.bat on the sqllib\java12 subdirectory. After the batch file has been run, restart all database services.

Notes on IBM DB2 Workgroup and Enterprise Edition

- The username is restricted to eight (8) characters or less!
- Enter the explicit database server name when specifying locations and paths (Refrain from using localhost). Remember, all server names are case-sensitive.
- The IBM DB2 Workgroup and Enterprise Edition must be configured to use JDBC 2.0 drivers. To do this, stop all database services, and then run usejdbc2.bat on the sqllib\java12 subdirectory. After the batch file has been run, restart all database services.
- The database and a user name must be created prior to installation in order for the installation wizard to create the RDBMS repository.
- **Important!** Users intending to install the Hyperion Analyzer repository on an existing DB2 database, must provide a user name and the database information to complete the installation wizard. The user name given must have been previously assigned to the database.

Notes on Microsoft SQL Server 2000

- Do not create the database or the username prior to installation. The installation wizard creates the user inside the database during installation.

Notes on Oracle

- Enter the explicit database server name when specifying locations and paths (Refrain from using localhost). Remember, all server names are case-sensitive.
- Do not create the database tablespace or the username prior to installation. The installation wizard creates the user inside the database during installation.

Hyperion Essbase Runtime Client

In order to access Hyperion Essbase the corresponding Hyperion Essbase Runtime client must be installed with the J2EE Application Server.

Before Installation Checklist

- Log on as the local server Administrator with unrestricted privileges.
- Hyperion recommends that you run the installation on a server with a minimum of 512 MB of RAM, with 1 GB of processing "space".
- Verify the machine names and pathnames before attempting installation. Those installing cannot use "localhost" to identify servers.
- Verify usernames and passwords before attempting installation. "System" cannot be used for account usernames. Those installing cannot use duplicate usernames and passwords. Ensure that your unique usernames do not exceed eight (8) characters in length.

Microsoft Windows Installation Summary

The Hyperion Analyzer Installation Wizard presents eleven (11) panels in sequence, to compose an installation script.

In the first five (5) panels users:

- Select an installation language (English, Japanese, German, French).
- Are welcomed to the installation wizard.
- Read the Readme.txt file.
- Choose between an Evaluation and Licensed Installation.
- Agree to the terms of the license agreement.

Hyperion Analyzer can be installed and configured on Microsoft Windows operating systems in one of two ways. Select either the Standalone Java application (Windows client) setup, or the Analysis Server and Web clients (Enterprise Edition)

Users proceed to select one of two application server options.

The Configure Application Server panel, prompts users to locate the selected application server. Those using an existing application server only need to indicate the server and the path to it.

Next Users must select one of four RDBMS Repository Types:

1. IBM DB2 7.2 Personal Edition
2. IBM DB2 7.2 Workgroup and Enterprise Edition
3. Oracle 8.1.7
4. Microsoft SQL Server 2000

Finally users configure Hyperion Analyzer 6.1 and review a script summary. If the summary agrees with all the users selections, the user is free to execute the installation script.

Microsoft Windows Installation Wizard

Important!: Users installing Hyperion Analyzer using the Installation Wizard must be logged in as the local server Administrator, and have the corresponding privileges.

Important!: The installation wizard does not validate user IDs and passwords. The installation will not succeed when incorrect user names or passwords are used.

Starting the Installation Wizard

Run `setup_win32_hya` from the CD-ROM to start the Installation Wizard.

Responding to the Installation Wizard

The Hyperion Analyzer Installation Wizard presents 11 panels in sequence, to compose an installation script. To progress through the panel series, click the Previous or Next buttons. To Exit the Wizard, click the Exit button. The following summary will guide you through the installation process:

Language

The Language panel is the first wizard panel.

Select a language option for use during installation: English, Japanese, German, or French. Then, click the Next arrow (right arrow).

Welcome

Read the Welcome panel and click the Next arrow.

Release Notes

The latest release information is provided in the Release Notes panel. When you are done reading, click the Next arrow.

Usage Mode

Select either Evaluation Installation or Licensed Installation of Hyperion Analyzer. Licensed users must enter their license key. Click the Next arrow.

License Agreement

The Hyperion Analyzer license agreement is presented in this panel. If you agree with the terms of the license agreement click the "I agree" option button and the Next arrow.

Setup Type

Hyperion Analyzer can be installed and configured on Microsoft Windows operating systems in one of two ways:

1. Standalone Java application (Windows client)
2. Analysis Server and Web clients (Enterprise Edition)

Select one of the two option buttons and click the Next arrow.

Select Application Server

Select one of the application server options:

1. Tomcat 4.0.1 – Uses an existing Tomcat 4.0.1 application server
2. Install Tomcat 4.0.1 application server (checkbox)
3. IBM WebSphere 3.5 - Uses an existing IBM WebSphere 3.5 application server

Click the Next arrow.

Configure Application Server

The Configure Application Server panel displays context-sensitive single-line entry fields based on whether you are installing an application server, or using an existing application server. Fields will be automatically populated when possible.

Those installing Tomcat 4.0.1 will find the application server installed at:

<<Root Drive>>:\Hyperion\analyzer\appserver\

Users selecting IBM WebSphere 3.5 must indicate the server and path where the application server should be located. Hyperion Analyzer will use the previously configured application server Web Server.

Enter the following information in the corresponding fields:

<i>Entry Field</i>	<i>Enter</i>
IBM WebSphere	
Destination Folder	Enter a location for the selected application server.
Node Name	Enter the network computer name. This case-sensitive ID identifies the WebSphere node in the network.
Tomcat	
Web Server	Select either the default Web server (Apache), or Microsoft Internet Information Services (IIS).
HTTP Port Addr	Enter a port number to be used by the default Web Server (Apache).

When fields are populated, click the Next arrow.

Select RDBMS Repository

Select one of four (4) relational database options to use as a repository:

1. IBM DB2 7.2 Personal Edition
2. IBM DB2 7.2 Workgroup and Enterprise Edition
3. Oracle 8.1.7
4. Microsoft SQL Server 2000

Understanding RDBMS Options

The different RDBMS database types provides users with different installation options. Depending on the database, users can:

- Install the default RDBMS software, and create a new database and repository.
- Create a new database and a repository on a supported RDBMS.
- Create a new repository on a supported RDBMS.
- Connect to an existing repository.

Each of these options has different pre-requisites:

Users installing the IBM DB2 7.2 Personal Edition and creating a new database and repository have no pre-requisites. The Hyperion Analyzer installation wizard will install the software as instructed in the Configure RDBMS Repository panel.

Users creating a new database and repository must not create the database or the username prior to installation. The installation wizard creates the user inside the database during installation.

Important! In the case of Oracle and Microsoft SQL Server, users must not have existing database/tablespace on their servers, when selecting the Create Tablespace/Create Database option. Users must not use pre-existing usernames and passwords to create the database. These are created during installation.

Users creating a new repository on an existing RDBMS database must provide the user name and the database information to complete the installation wizard.

Important! In the case of IBM DB2, the user name must have been previously assigned to the database.

Users connecting to an existing repository need only provide a valid user ID and password.

Having the appropriate pre-requisite information, will expedite the process of selecting and configuring an RDBMS option.

Users have the following options:

<i>RDBMS Options</i>	<i>Description</i>
IBM DB2 7.2 Personal Edition	
Install IBM DB2 7.2 Personal Edition	Installs the default RDBMS and creates a new relational database and repository.
Create Database	Creates a new relational database and repository. Important! Users must not use databases or user names that already exist.
Create Repository	Creates a new relational database repository in an existing database. Important! User must have previously created a database and user name, and assigned that user to the database. The user name must have "connect database" permissions.
IBM DB2 7.2 Workgroup and Enterprise Edition	
Create Repository	Creates a new relational database repository in an existing database. Important! User must have previously created a database and user name, and assigned that user to the database. The user name must have "connect database" permissions.
Oracle 8.1.7	
Create Tablespace	Creates a new relational tablespace and repository. Important! Users must not use tablespaces or user names that already exist.
Create Repository	Creates a new relational database repository in an existing tablespace. Important! User must have previously created a tablespace and

	<p>user name. The user name must have been granted the following roles:</p> <ul style="list-style-type: none"> connect EXP_Full_Database IMP_Full_Database resource
Microsoft SQL Server 2000	
Create Database	<p>Creates a new relational database and repository. Important! Users must not use databases or user names that already exist.</p>
Create Repository	<p>Creates a new relational database repository in an existing database. Important! User must have previously created a database and user name. Do not change default database from "master."</p>

When your selections are complete, click the Next arrow.

Configure RDBMS Repository

Whatever the repository type selection, users are prompted to provide repository connection information in the next panel.

Important! Do not use "system" as the account username.

Important! Ensure that your unique usernames do not exceed eight (8) characters in length.

Enter the following information in the corresponding fields:

<i>Entry Field</i>	<i>Enter</i>
IBM DB2	
Destination Folder	A location to store IBM DB2 7.2 Personal Edition software.
DB2 Server	Enter the explicit database server name (Refrain from using localhost).
DB2 Database Name	Enter the database application name. We use ANALYZ60.
DB2 Administrator Name	When instructed to create a database application, the installation wizard prompts the user for a username.
DB2 Administrator Password	When instructed to create a database application, the installation wizard prompts the user for a password (used in conjunction with the username).

Continued ...

Continued ...

Oracle	
Oracle Server	Enter the explicit database server name (Refrain from using localhost).
Oracle SID	Enter the Oracle SID.
Oracle Database Name	Enter the name of the Oracle Database.
Oracle Username	When instructed to create a database application, the installation wizard prompts the user for a system account username.
Oracle Password	When instructed to create a database application, the installation wizard prompts the user for a password (used in conjunction with the username).
Port	Indicate the port used for client-server communication.
Microsoft SQI Server	
MSSQL Server	Enter the explicit database server name (Refrain from using localhost).
SQL Server Database Name	Enter the database application name. We use: ANALYZ60
SQL Server Administrator User Name	When instructed to create a database application, the installation wizard prompts the user for a username.
SQL Server Administrator Password	When instructed to create a database application, the installation wizard prompts the user for a password (used in conjunction with the username).

Enter valid information in the outstanding fields and click the Next arrow.

Configure Hyperion Analyzer

Finally users configure Hyperion Analyzer 6.1.

Enter the following information in the corresponding fields as applicable:

<i>Entry Field</i>	<i>Enter</i>
Destination Folder	A location to store Analyzer files (and when selected, the Tomcat application server).
Servlet Engine Name	The name of the servlet engine, is loaded for the user.
Servlet Port Number	(WebSphere only) The Servlet Port Number field prompts administrators to supply an available port for the Analyzer Servlet Engine. Typically, port 8999 is available on a WebSphere Application Server.
RDBMS Repository Username	An eight (8)-character username with which an administrator can access the database application. Important!: The username is restricted to eight (8) characters or less.
RDBMS Repository Password	A password used with the username to access the database application.

When fields are populated, click the Next arrow.

Summary

A summary of your installation option selections is displayed. Click next to execute the installation script, per your selections.

Perform Install

The Installation window is dismissed, and a subsequent installation console is displayed. Please wait until the console displays the "Setup Complete" panel. Only then is installation complete.

Setup Complete

The last panel displays a `hyasetup.timestamp.log` installation log and provides administrators with the URL of the Hyperion Analyzer launch page. Copy this URL and distribute it to client users.

The default user ID and password are "Administrator" and "password."

After Installation Checklist

Users must reboot after installation.

If you selected the Tomcat 4.0.1 application server:

To start the application server file, select Start | Programs | Hyperion Solutions | Hyperion Analyzer 6.1 | Start Analyzer Server.

To stop the application server file, select Start | Programs | Hyperion Solutions | Hyperion Analyzer 6.1 | Stop Analyzer Server.

Confirm Services Started

If you selected and installed IBM DB2 Personal Edition as your repository, ensure that IBM DB2 Personal Edition services are started.

IBM DB2 Services

- DB2 – DB2
- DB2 – DB2DAS00
- DB2 JDBC Applet Server

Manually Configuring Microsoft IIS Web Server Overview

Users employing Microsoft Internet Information Services (IIS) in conjunction with the Tomcat 4.0.1 application server need to manually configure the Microsoft IIS Web server.

The process generally consists of three steps:

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.
 2. Click the plus sign (+) to expand the Web server name node.
 3. Select the Default Web site.
 4. Right-click and select Properties from the right-click menu.

The Default Web Site Properties dialog box displays.
 5. Click the Directory Security tab.
 6. Click the Anonymous Access and Authentication Control Edit button.

The Authentication Methods dialog box displays.
 7. Ensure that the Anonymous User is a valid Windows NT user, and has read, write and/or change privileges.
 8. Click OK.

9. Right-click the Default Web site again, and select New | Virtual Directory from the right-click menu.

The Virtual Directory creation wizard displays.

10. Enter a new virtual directory name. It must be called "jakarta" and click Next.
11. Enter the path to the directory containing the isapi_redirect.dll (hyperion/analyzer/appserver/bin), and click Next.
12. Ensure the Allow Read Access and Allow Execute Access checkboxes are selected.
13. Click Finish.

The Virtual Directory displays in the tree below the Default Web site.

➤ To add the ISAPI filter:

1. Select the Default Web site.
2. Right-click and select Properties from the right-click menu.

The Default Web Site Properties dialog box displays.

3. Click the ISAPI Filters tab.
4. Click the Add button.

The Filter Properties dialog box displays.

5. Enter a new filter name. It must be called "jakarta".
6. Enter the path to the directory containing the isapi_redirect.dll executable (hyperion/analyzer/appserver/bin), and click OK.

➤ To complete the process, restart Microsoft IIS.

What Next?

Deploy Hyperion Analyzer clients by e-mailing users the launch page URL (as copied from the last installation panel) and client system requirements. The launch page URL is structured as follows:

IBM WebSphere Application Server Users:

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

Tomcat Application Server Users:

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

UNIX Installation

This section outlines all the pre-requisites needed to install Hyperion Analyzer on a supported UNIX operating system.

System Requirements

Your systems must satisfy the following application-specific system requirements for Hyperion Analyzer.

Server Hardware Requirements

Minimum 450 MHz CPU with 512 MB RAM

Supported Server UNIX Operating Systems

- Sun Solaris 8
- IBM AIX 4.3.3

Supported OLAP Servers

- Hyperion Essbase 6.1.4, 6.2.1, and 6.5
- IBM DB2 OLAP Server 7.1, FixPak 4 or greater

Supported Application Servers

Hyperion Analyzer has been re-architected to run inside leading J2EE-compliant application servers. The supported J2EE Application Server shares Hyperion Analyzer business logic, manages network traffic, and maintains system security for large numbers of concurrent users.

- IBM WebSphere 3.5.5 Standard Edition, or Advanced Edition
- Tomcat 4.0.1

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

Tomcat 4.0.1 uses its own internal Web server. Hyperion Analyzer supports IBM WebSphere 3.5.5 Standard Edition, or Advanced Edition, using one of the following Web servers:

- Microsoft IIS 4, or 5
- Netscape 3.6 or 4
- IBM HTTP Server 1.3.12

Client Hardware Requirements

Minimum 128 MB RAM free

Supported Client Operating Systems

- Microsoft Windows NT 4, Service pack 6
- Microsoft Windows 2000, Service Pack 2
- Microsoft Windows XP
- Microsoft Windows 98, services release 2

Java Web Client Supported Web Browsers

- Microsoft Internet Explorer 4, 5, or 6
- Netscape Navigator 4.7, 6.1, or 6.2

In order to use the Hyperion Analyzer Java Web Client, Hyperion Analyzer Administration Tools and the Hyperion Analyzer API Toolkit, users must also have:

- Sun Java Plug-in 1.3.0_02

HTML Web Client Supported Web Browsers

- Microsoft Internet Explorer 4, 5, or 6
- Netscape Navigator 6.1, or 6.2

Supported Relational Repositories

Those installing Hyperion Analyzer 6 can use one(1) of four repository options.

- IBM DB2 7.2 Workgroup and Enterprise Edition, JDBC 2.0
- Oracle 8.1.7

Notes on IBM DB2 Workgroup and Enterprise Edition

- The username is restricted to eight (8) characters or less!
- Enter the explicit database server name when specifying locations and paths (Refrain from using localhost). Remember, all server names are case-sensitive.
- The database and a user name must be created prior to installation in order for the installation wizard to create the RDBMS repository.
- The IBM DB2 Workgroup and Enterprise Edition must be configured to use JDBC 2.0 drivers. To do this, stop all database services, and then run usejdbc2.bat on the sqllib\java12 subdirectory. After the batch file has been run, restart all database services.

Notes on Oracle

- Enter the explicit database server name when specifying locations and paths (Refrain from using localhost). Remember, all server names are case-sensitive.
- Do not create the database tablespace or the username prior to installation. The installation wizard creates the user inside the database during installation.

Hyperion Essbase Runtime Client

In order to access Hyperion Essbase the corresponding Hyperion Essbase Runtime client must be installed with the J2EE Application Server.

Before Installation UNIX Checklist

- You must have root privileges.
- Do not use spaces in path names and location descriptions!
- Verify the machine names and pathnames before attempting installation. Those installing cannot use "localhost" to identify servers.
- Verify usernames and passwords before attempting installation. "System" cannot be used for account usernames. Those installing cannot use duplicate usernames and passwords. Ensure that your unique usernames do not exceed eight (8) characters in length.

Installation Overview

The Hyperion Analyzer Installation Wizard presents thirteen (13) panels in sequence, to compose an installation script.

In the first five (5) panels users:

- Select an installation language (English, Japanese, German, French).
- Are welcomed to the installation wizard.
- Read the Readme.txt file.
- Choose between an Evaluation and Licensed Installation.
- Agree to the terms of the license agreement.

Users proceed to select one (1) of three (3) application server options:

1. Use an existing Tomcat 4.0.1 application server.
2. Install a Tomcat 4.0.1 application server as part of this installation.
3. Use an existing IBM WebSphere 3.5 Standard or Advanced Edition application server.

The Configure Application Server panel, prompts users to locate the selected application server.

Those using an existing application server only need to indicate the server and the path to it.

Next Users must select one (1) of two (2) RDBMS Repository Types:

1. IBM DB2 7.2 Workgroup and Enterprise Edition
2. Oracle 8.1.7

Whatever the repository type selection, users are prompted to provide repository connection information in the next panel.

In every circumstance, users have the option of creating a repository or identifying an existing repository.

Finally users configure Hyperion Analyzer 6.1 and review a script summary. If the summary agrees with all the users selections, the user is free to execute the installation script.

UNIX Installation Wizard

Before Installation

Users installing Hyperion Analyzer using the Installation Wizard must have root privileges.

Important!: Users installing Hyperion Analyzer using the Installation Wizard must be logged on as the root account.

Important!: Uninstall any previous Beta release prior to installing Hyperion Analyzer 6.1.

Starting the Installation Wizard

Open the terminal and navigate to the CD-ROM to start the Installation Wizard. At the command prompt enter one of the following commands, as appropriate:

```
./setup_aix.sh
```

```
./setup_solaris.sh
```

Responding to the Installation Wizard

The Hyperion Analyzer Installation Wizard presents 11 panels in sequence, to compose an installation script. To progress through the panel series, click the Previous or Next buttons. To Exit the Wizard, click the Exit button. The following summary will guide you through the installation process:

Language

The Language panel is the first wizard panel.

Select a language option for use during installation: English, Japanese, German, or French. Then, click the Next arrow (right arrow).

Welcome

Read the Welcome panel and click the Next arrow.

Release Notes

The latest release information is provided in the Release Notes panel. When you are done reading, click the Next arrow.

Usage Mode

Select either Evaluation Installation or Licensed Installation of Hyperion Analyzer. Licensed users must enter their license key. Click the Next arrow.

License Agreement

The Hyperion Analyzer license agreement is presented in this panel. If you agree with the terms of the license agreement click the "I agree" option button and the Next arrow.

Select Application Server

Select one of the application server options:

1. Tomcat 4.0.1 – Uses an existing Tomcat 4.0.1 application server
2. Install Tomcat 4.0.1 application server (checkbox)
3. IBM WebSphere 3.5 - Uses an existing IBM WebSphere 3.5 application server

Click the Next arrow.

Configure Application Server

The Configure Application Server panel displays context-sensitive single-line entry fields based on whether you are installing an application server, or using an existing application server. Fields will be automatically populated when possible.

Enter the following information in the corresponding fields:

<i>Entry Field</i>	<i>Enter</i>
Destination Folder	Enter a location for the selected application server.
Node Name	Enter the network computer name. This case-sensitive ID identifies the WebSphere node in the network.
Tomcat	
Web Server	Select either the default Web server (Apache), or Microsoft Internet Information Services (IIS).
HTTP Port Addr	Enter a port to be used by the default Web Server (Apache).

When fields are populated, click the Next arrow.

Select RDBMS Repository

Select one of two (2) relational database options to use as a repository:

- IBM DB2 7.2 Workgroup or Enterprise Edition.
- Oracle 8.1.7

Understanding RDBMS Options

The different RDBMS database types provides users with different installation options. Depending on the database, users can:

- Create a new database and a repository on a supported RDBMS.
- Create a new repository on a supported RDBMS.
- Connect to an existing repository.

Each of these options has different pre-requisites:

Users creating a new database and repository must not create the database or the username prior to installation. The installation wizard creates the user inside the database during installation.

Important! In the case of Oracle, users must not have existing tablespaces on their servers, when selecting the Create Tablespace option. Users must not use pre-existing usernames and passwords to create the tablespace. These are created during installation.

Users creating a new repository on an existing RDBMS database must provide the user name and the database information to complete the installation wizard.

Important! In the case of IBM DB2, the user name must have been previously assigned to the database.

Users connecting to an existing repository need only provide a valid user ID and password.

Having the appropriate pre-requisite information, will expedite the process of selecting and configuring an RDBMS option.

Users have the following options:

<i>RDBMS Options</i>	<i>Description</i>
IBM DB2 7.2 Workgroup and Enterprise Edition Create Repository	<p>Creates a new relational database repository in an existing database. Important! User must have previously created a database and user name, and assigned that user to the database. The user name must have "connect database" permissions.</p>
Oracle 8.1.7 Create Tablespace Create Repository	<p>Creates a new relational tablespace and repository. Important! Users must not use tablespaces or user names that already exist.</p> <p>Creates a new relational database repository in an existing tablespace. Important! User must have previously created a tablespace and user name. The user name must have been granted the following roles:</p> <ul style="list-style-type: none"> connect EXP_Full_Database IMP_Full_Database resource

When your selections are complete, click the Next arrow.

Configure RDBMS Repository

The Configure Repository panel displays single-line entry fields based on the repository you selected. Fields will be automatically populated when possible.

Enter the following information in the corresponding fields:

<i>Entry Field</i>	<i>Enter</i>
IBM DB2	
DB2 Server	Enter the explicit database server name (Refrain from using localhost).
DB2 Database Name	Enter the database application name. We use ANALYZ60.
DB2 Administrator Name	When instructed to create a database application, the installation wizard prompts the user for a username.
DB2 Password	When instructed to create a database application, the installation wizard prompts the user for a password (used in conjunction with the username).
Oracle	
Oracle Server	Enter the explicit database server name (Refrain from using localhost).
Oracle SID	Enter the Oracle SID.
Oracle Database Name	Enter the tablespace name.
Oracle Username	When instructed to create a database application, the installation wizard prompts the user for system account username.
Oracle Password	When instructed to create a database application, the installation wizard prompts the user for a password (used in conjunction with the username).
Port	Indicate the port used for client-server communication.

Enter valid information in the outstanding fields and click the Next arrow.

Configure Hyperion Analyzer

The Configure Hyperion Analyzer panel displays single-line entry fields. Fields will be automatically populated when possible.

Enter the following information in the corresponding fields:

<i>Entry Field</i>	<i>Enter</i>
Essbase Directory	Enter the Hyperion Essbase home directory (ARBORPATH environmental variable location).
Destination Folder	Enter a location for Hyperion Analyzer.
Servlet Engine Name	The name of the Hyperion Analyzer Servlet.
Servlet Port Number	The Servlet Port Number field prompts administrators to supply an available port for the Analyzer Servlet Engine. Typically, port 8999 is available on a WebSphere Application Server.
RDBMS Repository Username	An eight (8)-character username with which an administrator can access the database application. Important!: The username is restricted to eight (8) characters or less.
RDBMS Repository Password	A password used with the username to access the database application.

When fields are populated, click the Next arrow.

Summary

A summary of your installation option selections is displayed. Click next to execute the installation script, per your selections.

Perform Install

The Installation window is dismissed, and a subsequent installation console is displayed. Please wait until the console displays the "Setup Complete" panel. Only then is installation complete.

Setup Complete

The last panel displays a `var/temp/_hya_tmp/hyasetup.timestamp.log` installation log and provides administrators with the URL of the Hyperion Analyzer launch page. Copy this URL and distribute it to client users.

After Installation Checklist

Set Environmental Variables

- Users must ensure that Hyperion Essbase has been installed and configured, and that two (2) environmental variables are set correctly.

ARBORPATH
LD_LIBRARYPATH

- The Hyperion Analyzer installation wizard generates an "analyzer" shell script and locates it in the user home directory. This script enables client-server communication between Hyperion Analyzer and Hyperion Essbase, and indicates the language to be used by the Hyperion Analyzer interface.

The global shell environment must be edited to reference the analyzer shell script located in the user home directory. For example:

```
. /.analyzer.sh
```

After applying these edits, log out and then login to force the environment to detect the changes.

Starting the Tomcat Application Server

- Users must reboot after installation.
- If you selected the Tomcat 4.0.1 application server:

To start the application server file, run `./analyzer_startup.sh`.

To stop the application server file, run `./analyzer_shutdown.sh`.

What Next?

Deploy Hyperion Analyzer clients by e-mailing users the launch page URL (as copied from the last installation panel) and client system requirements. The launch page URL is structured as follows:

IBM WebSphere Application Server Users:

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

Tomcat Application Server Users:

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

Running Create Database, Create Tables and Default Data SQL Scripts

Who Needs to Run Scripts?

Database Administrators might want to run scripts in lieu of distributing their secure usernames and passwords.

Where Are Scripts Located?

All SQL scripts can be located in one of the following locations:

- The SQLScripts.zip archive in the CD-ROM Repository subdirectory
- (After installation) TEMP/_hya_tmp

Creating the Repository for IBM DB2

There are three (3) scripts for IBM DB2 users:

- **AnalyzerCreateDatabaseDB2.sql** creates an IBM DB2 7.2 Workgroup and Enterprise 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 Workgroup and Enterprise Edition).

➤ To create an IBM DB2 repository:

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

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

<i>Parameter</i>	<i>Replace With...</i>
****CAPSDBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****DBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****DB2USERNAME****	The user ID of the DB2 Administrator.
****DB2PASSWORD****	The corresponding DB2 Administrator's password.
****CAPSUSER****	An eight (8)-character RDBMS repository username with which an administrator can access the database application. Important! : The username is restricted to eight (8) characters or less.

2. Save your modifications and run the SQL script.
3. Open the **AnalyzerCreateTablesDB2.sql** script in an SQL editor and modify the following parameters:

<i>Parameter</i>	<i>Replace With...</i>
****CAPSDBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****DBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****DB2USERNAME****	The user ID of the DB2 Administrator.
****DB2PASSWORD****	The corresponding DB2 Administrator's password.
****CAPSUSER****	An eight (8)-character RDBMS repository username with which an administrator can access the database application. Important! : The username is restricted to eight (8) characters or less.

4. Save your modifications and run the SQL script.

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

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

<i>Parameter</i>	<i>Replace With...</i>
****CAPSDBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****CAPSUSER****	An eight (8)-character RDBMS repository username with which an administrator can access the database application.

6. Save your modifications and run the SQL script.

Creating the Repository for Oracle

There are four (4) scripts for Oracle users:

- **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 wizard. See TEMP/_hya_tmp.

<i>Parameter</i>	<i>Replace With...</i>
****DB2USERNAME****	The user ID of the Oracle Administrator.
****DB2PASSWORD****	The corresponding Administrator's password.
****CAPSUSER****	An eight (8)-character RDBMS repository username with which an administrator can access the database application. Important! The username is restricted to eight (8) characters or less.
****PASSWORD****	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 wizard. See TEMP/_hya_tmp.

<i>Parameter</i>	<i>Replace With...</i>
****USERNAME****	<p>The same user name as the CAPSUSER parameter used in the previous script.</p> <p>An eight (8)-character RDBMS repository username with which an administrator can access the database application.</p> <p>Important! The username is restricted to eight (8) characters or less.</p>

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 wizard. See TEMP/_hya_tmp.

<i>Parameter</i>	<i>Replace With...</i>
****DB2USERNAME****	The user ID of the Oracle Administrator.
****DB2PASSWORD****	The corresponding Administrator's password.
****USERNAME****	The same user name as the CAPSUSER parameter used in both previous scripts. An eight (8)-character RDBMS repository username with which an administrator can access the database application. Important! The username is restricted to eight (8) characters or less.

6. Run the AnalyzerDefaultDataOracle8i.sql script.

Creating the Repository for SQL Server

There are four (4) scripts for SQL Server users:

- **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 wizard. See TEMP/_hya_tmp.

<i>Parameter</i>	<i>Replace With...</i>
****DBNAME****	Hyperion Analyzer database name. Use ANALYZ60.
****USERNAME****	An eight (8)-character RDBMS repository username with which an administrator can access the database application. Important! The username is restricted to eight (8) characters or less.
****PASSWORD****	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 wizard. See TEMP/_hya_tmp.

<i>Parameter</i>	<i>Replace With...</i>
USERNAME	<p>The same user name as used in the previous script. An eight (8)-character RDBMS repository username with which an administrator can access the database application.</p> <p>Important! The username is restricted to eight (8) characters or less.</p>

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.

Installing Hyperion Analyzer Samples and Hyperion API Toolkit Samples

Login to Hyperion Analyzer Java Web Client

- To start Hyperion Analyzer Java Web client:
 1. Start a supported Web browser (such as Microsoft Internet Explorer 4, 5, or 6, or Netscape Communicator, Netscape Navigator 4.7, 6.1, or 6.2).
 2. Select File | Open from the menu.
 3. Enter the URL of the Hyperion Analyzer launch page (as copied from the last installation panel), and press Enter.

For Example:

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

4. Click the link launching the Hyperion Analyzer Java Web Client.

The Hyperion Analyzer application window is displayed. The Login dialog box is displayed.

5. Enter a valid user ID and password (Administrator/password) in the Login dialog box, and click OK.

Display the User Preferences Connections Tab

- To display the User Preferences dialog box:
 1. Click the Tools Toolbar button drop-down menu and select User Preferences.
 2. When the User Preferences dialog box is displayed, click either the Connections panel name in the navigation panel.

The Connections User Preferences tab is displayed.

Create a Database Connection to the Sample: Basic Database

- To create a Hyperion Essbase database connection, using the Connections User Preferences panel:
 1. Click the Add New... button.

The Select Database Type dialog box is displayed.
 2. Select Hyperion Essbase from the drop-down list, and click OK.

The Hyperion Essbase Login dialog box is displayed.
 3. Specify the Hyperion Essbase server, and a valid Hyperion Essbase user ID and password.
 4. Click OK.

The List Databases dialog box is displayed.
 5. Select Sample:Basic from the Available Databases list and click the right-arrow (>) button.

Sample:Basic is added to the Selected Databases list.
 6. Click OK.

Sample:Basic is added to the Connections User Preferences list.
 7. Click Apply, and then Close.

Import the Sample Report Group

- To import the Samples report group:
 1. From the Java Web Client Menu Bar select File | Import | Report Group.
 2. From the Open dialog box, select the Sample Reports.ARG file located in the following directory:

Hyperion\appserver\hosts\default_host\Analyzer6_Server\
Analyzer6\web\samples\Sample Reports.ARG

The Map Connections dialog box is displayed.

2. Select localhost:Sample:Basic from the Exported Connection list, and then select the database connection you just created in the Available Database Connections list.
3. Click the Map It! button.
4. Click OK.
5. Click OK.

The report group is saved to the repository.

Import 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.
2. From the Open dialog box, select the api_samples.ARG file located in the following directory:

Hyperion\appserver\hosts\default_host\Analyzer6_Server\
Analyzer6\web\samples\api_samples.ARG

The Map Connections dialog box is displayed.

2. Select localhost:Sample:Basic from the Exported Connection list, and then select the database connection you just created in the Available Database Connections list.
3. Click the Map It! button.
4. Click OK.
5. Enter "API Samples" for the report group name and click OK.

The API Samples report group is saved to the repository.

Uninstalling

➤ To manually remove an Microsoft Windows installation of Hyperion Analyzer:

1. Go to Control Panel | Add Remove Programs. If you installed IBM DB2 Personal Edition, for the purposes of the release, uninstall the following application:

- IBM DB2

2. Delete the following folders:

- C:\Hyperion\analyzer

3. Remove the following variables and values:

PATH (Remove root\adm\bin\nt;)

4. If you installed IBM DB2 Personal Edition, for the purposes of the release, remove local machine users created during install.

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