

HYPERION
RELEASE 9.3.1

SUPPORTED PLATFORM MATRICES

ORACLE | Hyperion

Hyperion Supported Platform Matrices, 9.3.1

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System Requirements

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About System Requirements

This chapter describes Oracle's Hyperion® Shared Services, Client, and product-specific system requirements for Hyperion products.

The Hyperion product-specific system requirements are grouped into five categories:

- Oracle's Hyperion® Foundation Services:
 - Shared Services
 - User Directories
- Essbase - System 9:
 - Oracle's Hyperion® Essbase® – System 9
 - Oracle's Essbase® Administration Services
 - Oracle's Essbase® Integration Services
 - Oracle's Hyperion® Provider Services
- Oracle's Hyperion® Reporting and Analysis – System 9:
 - Oracle's Hyperion® Financial Reporting – System 9
 - Oracle's Hyperion® Interactive Reporting – System 9
 - Oracle's Hyperion® SQR® Production Reporting – System 9
 - Oracle's Hyperion® Web Analysis – System 9
 - Oracle's Hyperion® Workspace
- Financial Performance Management Applications:

- Oracle's Enterprise Performance Management Architect
- Oracle's Hyperion® Financial Management – System 9
- Oracle's Hyperion® Performance Scorecard – System 9
- Oracle's Hyperion® Planning – System 9
- Oracle's Hyperion® Strategic Finance
- Data Management:
 - Oracle's Hyperion® Data Integration Management
 - Oracle's Hyperion® Financial Data Quality Management
 - Oracle's Hyperion® Data Relationship Management
 - Oracle's Hyperion® Translation Manager

For each product section, additional requirements are described in the Server Requirements sections; for example: OS/Processor, disk space and RAM, and third-party software requirements.

Disk space and RAM requirements are approximate and do not include additional possible requirements on the machine, such as extra space needed for a VMware image. The installation program calculates the required disk space, based on your installation choices. Disk space estimates include documentation files (if applicable) and Hyperion common components. Documentation is installed automatically with some products.

The requirements described in this chapter are for a representative deployment of up to 150 total users (30 to 40 concurrent users) for one installation of a Hyperion product. For larger and more complex deployments—a larger number of users, multiple installations of one product, and installations of multiple products—Hyperion highly recommends that you contact Hyperion Consulting Services to determine the appropriate number of servers for your environment.

For information on current and backward compatibility with other Hyperion products, see [Chapter 2, “Release Compatibility.”](#)

Before installing Hyperion products, verify that all system requirements and prerequisites are met.

Note:

Hyperion acknowledges and supports the backward compatibility assertions made by third-party vendors. Therefore, where vendors assert backward compatibility, subsequent maintenance releases and service packs may be used. If an incompatibility is identified, Hyperion will specify a patch release on which the product should be deployed (and remove the incompatible version from the supported matrix) or provide a maintenance release or service fix to the Hyperion product code.

Foundation Services

- [“Shared Services Requirements” on page 7](#)

- “Shared Services Server Disk Space and RAM” on page 7
- “User Directories” on page 7

Shared Services Requirements

Shared Services is considered a component of other Hyperion products. In general, Shared Services supports the same platform as the products it is used with; therefore, the system requirements for the Shared Services server are not called out specifically. Shared Services is included in “Client Requirements” on page 8. You can assume that Shared Services supports the same software that is listed in each product-specific section of this chapter, unless otherwise noted. Disk space and RAM for Shared Services server is listed below.

Shared Services Server Disk Space and RAM

Item	Requirement
Disk Space	400 MB*
RAM	1.5 GB

*This number is for the base Shared Services installation. More disk space is required based on OpenLDAP (Native Directory) usage for provisioning, depending on how often you back up OpenLDAP.

User Directories

A user directory is required for external authentication through Shared Services for all products except Data Relationship Management (optional feature for that product).

User Directories	Notes
<ul style="list-style-type: none"> ● IBM Tivoli Directory Server 5.2 ● Lightweight Directory Access Protocol (LDAP) <ul style="list-style-type: none"> ○ Sun ONE 5.2 SP4 ○ Novell eDirectory 8.8 ○ IBM Directory Server 5.1 ○ Domino LDAP 6.0 ● Microsoft Active Directory 2003 ● Microsoft Active Directory 2000 ● Microsoft NTLM* ● OpenLDAP 2.3.37 	
<ul style="list-style-type: none"> ● Netegrity SiteMinder 6 	Not supported by FDM
Oracle Identity Management (OIM) 10.1.4.0.1, including these components: <ul style="list-style-type: none"> ● Oracle Internet Directory 10.1.4.0.1 	

User Directories	Notes
<ul style="list-style-type: none"> ● Oracle Virtual Directory 10.1.4.0.1 	
SAP Directory <ul style="list-style-type: none"> ● Enterprise Portal 6 SP16 or 7.0 ● Netweaver BI (SAP BW) 3.5 or 7.0 ● SAP R/3 Enterprise 5.0 	Applies only to: <ul style="list-style-type: none"> ● Shared Services ● Reporting and Analysis
Database providers: <ul style="list-style-type: none"> ● IBM DB2 9.1 ● IBM DB2 8.2 ● Microsoft SQL Server 2005 SP1 ● Microsoft SQL Server 2000 SP3a ● Oracle 11g[†] ● Oracle 10g Release 2 (10.2.0.2) ● Oracle 10g (10.1.0.5) ● Oracle 9i (9.2.0.5) 	

*Shared Services running on UNIX requires Oracle's Hyperion® Remote Authentication Module™ for UNIX authentication.

†Oracle 11g will be supported when it is Generally Available.

Client Requirements

Hyperion client products have the following system requirements:

- General Requirements
 - [“Client OS” on page 9](#)
 - [“Processor” on page 9](#)
 - [“Required Hyperion Software” on page 9](#)
 - [“Assistive Technologies” on page 10](#)
 - [“Screen Resolution” on page 10](#)
 - [“Runtime Clients” on page 10](#)
 - [“Disk Space and RAM” on page 11](#)
 - [“Product-Specific Client Requirements” on page 12](#)
- Web Browser Client Requirements
 - [“Web Browsers” on page 12](#)
 - [“Web Browser Plug-in” on page 12](#)
 - [“Java Runtime Environment” on page 12](#)
- Other Third Party Requirements
 - [“Other Required Third-Party Software” on page 13](#)

Client OS

Operating System	Notes
<ul style="list-style-type: none"> Windows Vista Windows XP Professional SP2 Windows 2003 SP1 Windows 2000 Professional SP4* Windows 2000 Server SP4* Oracle Enterprise Linux 4.0*† <p>Red Hat Linux‡:</p> <ul style="list-style-type: none"> Red Hat Linux AS 4.0 Update 2 with glibc-2.3.4-2.13 or later Red Hat Linux EL 4.0 	<p>*Windows 2000 Server is supported for SQR Production Reporting only. All other Reporting and Analysis modules support Windows 2000 Professional.</p>

*For supporting browser-based clients only. For Interactive Reporting, only the HTML client is supported; the plug-in client is not supported.

†Reporting and Analysis supports only the x86 processor.

‡For supporting browser-based clients only. For Interactive Reporting, only the HTML client is supported; the plug-in client is not supported.

Processor

Processor (Windows)	Notes
Pentium 4, 1.6 GHz	The minimum required for all products except for the products listed below.
<p>One of the following:</p> <ul style="list-style-type: none"> 2 GHz (light use-Defined as fewer than 50 users connecting to the server to check entities in and out or to run server-based consolidation for structures that contain fewer than 15 entities.) 3.2 GHz (heavy use-Defined as 50 or more users connecting to the server to check entities in and out or to run server-based consolidation for structures that contain more than 15 entities.) 	Applies only to Strategic Finance
Pentium 4.8 GHz minimum	Applies only to Translation Manager
2 GHz minimum	Applies only to Data Relationship Management

Required Hyperion Software

If you are using Oracle's Hyperion® Smart View for Office to access Essbase as a data source, Provider Services is required.

Assistive Technologies

Assistive Technologies apply only to Windows operating systems and Microsoft Internet Explorer.

Not supported for:

- Reporting and Analysis
- Oracle's Hyperion® Shared Services User Management Console
- Strategic Finance

Assistive Technologies	Supported Versions
Screen reader	<ul style="list-style-type: none">● JAWS 7● JAWS 6.2● Window Eyes 5.5
Screen magnifier	<ul style="list-style-type: none">● MAGic 9.3● MAGic 9.0

Screen Resolution

Hyperion products are optimized for a minimum screen resolution of 1024 x 768.

Runtime Clients

Some Hyperion clients require the runtime clients of other Hyperion or third-party products. Hyperion runtime client and server versions must match.

For information on Hyperion product compatibility, see [Chapter 2, “Release Compatibility.”](#)

Clients	Runtime Client
<ul style="list-style-type: none">● Financial Reporting● Interactive Reporting● SQR Production Reporting● Web Analysis	<ul style="list-style-type: none">● Essbase—The Essbase runtime client is installed automatically.● Microsoft SQL Server 2000 SP3a Analysis Services● Microsoft SQL Server 2005 SP1 Analysis Services
<ul style="list-style-type: none">● Financial Reporting● Web Analysis	<ul style="list-style-type: none">● Financial Management—The version of the Financial Management ADM driver and the version of Financial Management that is used for Financial Reporting and Web Analysis must match.● Planning—The Planning runtime client must be installed on the Financial Reporting machine and is a component named Planning ADM Driver in the Planning installer.
Web Analysis	<ul style="list-style-type: none">● Java Plug-in: 1.5.0_09 and 1.4.2_12 <p>JRE is downloaded to the client computer when a user logs on to Oracle's Hyperion® Web Analysis Studio. The <code>WebAnalysis.properties</code> file contains settings for the correct version of JRE. See the <i>Hyperion Reporting and Analysis – System 9 Installation Guide</i>.</p>

Clients	Runtime Client
Planning	Essbase—The Essbase runtime client is installed automatically.

Disk Space and RAM

Disk space and RAM are for the product and sample applications.

RAM requirements are 512 MB minimum, 1 GB recommended.

Product Grouping	Component	Disk Space	Notes
Oracle's Hyperion® Foundation Services	Smart View	45 MB, 50 MB for Smart View with Oracle's Hyperion® Essbase® Visual Explorer	
Essbase - System 9	Essbase Runtime Client	150 MB	
	UNIX Essbase Runtime Client	150 MB	
	Essbase Administration Services Console	150 MB	
	Essbase Integration Services Console	46 MB	
	Financial Management	50 MB	
Reporting and Analysis	Financial Reporting	200 MB	
	Interactive Reporting	500 MB	
	SQR Production Reporting	200 MB	
Financial Performance Management Applications	Web Analysis	2 GB	
	Performance Management Architect	50 MB	
	Performance Scorecard	250 MB	
	Strategic Finance	210 MB	
Data Management:	Data Integration Management: PowerCenter Client	200 MB	
	FDM: Workbench Client	200 MB	
	Data Relationship Management*	20 MB	
	Translation Manager	100 MB	

*If users pre-load applications or if multiple applications open simultaneously, more RAM is recommended.

Product-Specific Client Requirements

Financial Reporting and Web Analysis

To perform chart generation in UNIX, Financial Reporting and Web Analysis UI services require access to a graphics display device, either real or virtual. Hyperion recommends that an X virtual frame buffer (Xvfb) be used instead of a hardware graphics display device (because Xvfb performs all operations in memory and does not require that a screen or input device be attached to the computer). See the *Hyperion Reporting and Analysis – System 9 Installation Guide for UNIX*.

Web Browser Client Requirements

Web Browsers

Supported Web Browsers	Notes
<ul style="list-style-type: none">● Microsoft Internet Explorer 7.0● Microsoft Internet Explorer 6.0● Firefox 2.0.0.3● Firefox 1.5.0.3	<p>For Microsoft Internet Explorer 6.0:</p> <ul style="list-style-type: none">● Essbase - System 9, applies only to Administration Services● Financial Performance Management Applications, applies only to:<ul style="list-style-type: none">○ Financial Management○ Performance Scorecard○ Planning● Hyperion® System™ 9 Data Management Services™, applies only to Translation Manager <p>Firefox–FDM does not support Firefox</p>

Set your browser to enable JavaScript and cookies. Storing cookies on your computer is recommended; at a minimum, allow per-session (not stored) cookies. If a Web site is a trusted site, enable SSL (HTTPS).

Web Browser Plug-in

Planning does not require a Web browser plug-in.

Platform	Supported Versions
32-bit	JRE 1.5.0 Update 11
64-bit	JRE 1.4.2 Update 13

Java Runtime Environment

A JRE is required for all products except Strategic Finance and is automatically installed.

Platform	Supported Windows Versions	Supported UNIX Versions	Notes
32-bit	JRE 1.5.0 Update 11	<ul style="list-style-type: none"> ● AIX: 5.0.0.75 1.5.0 SR4 pap32dev-20070201 ● Linux and Solaris: JRE 1.5.0 Update 11 ● HP-UX: 1.5.0_06 	
64-bit**†	JRE 1.4.2 Update 13	<ul style="list-style-type: none"> ● AIX: 5.0.0.75 pap64dev-20070201 ● HP-UX: 1.5.0_06 ● Solaris: JRE 1.5.0 Update 11 	

*To run 64-bit Essbase on 64-bit operating systems, 64-bit JVM is required. JVM is required for triggers, data mining, and custom-defined functions that are used in calculation scripts.

†Planning supports 64-bit JRE for HP-UX and Windows 2003 64-bit only.

Other Required Third-Party Software

Supported Software	Notes
Adobe Acrobat Reader 6.0 or later	
DCOM enabled on the client computer	Required only for Financial Management
<ul style="list-style-type: none"> ● One of the following: <ul style="list-style-type: none"> ○ Microsoft Office 2007 ○ Microsoft Office 2003 ○ Microsoft Office XP (2002) ○ Microsoft Office 2000 	<ul style="list-style-type: none"> ● A version of Microsoft Excel is required to use Smart View with: <ul style="list-style-type: none"> ○ Reporting and Analysis ○ Financial Management ○ Planning
Microsoft SQL Server (2005 SP1 or 2000 SP3a) Analysis Services client	Required only for: <ul style="list-style-type: none"> ● Interactive Reporting ● Financial Reporting* ● Web Analysis
<ul style="list-style-type: none"> ● SAP GUI 6.20 OLE DB for OLAP Provider ● SAP GUI 6.4 OLE DB for OLAP Provider 	Required only for Interactive Reporting
SAP Java Connector (JCO) 2.1.7–Optional—used to connect to SAP BW.†	Required only for: <ul style="list-style-type: none"> ● Financial Reporting ● SQR Production Reporting‡ ● Web Analysis

*Microsoft SQL Server Analysis Services is supported only by Financial Reporting on Windows. The SSAS client and SSAS server versions must match.

†Configure the SAP data source access and authentication after installation, when Reporting and Analysis create the correct SAP directories. Download it as a registered user at <https://service.sap.com/connectors>.

‡If you are installing SQR Production Reporting DDO, SAP Java Connector (JCO) drivers are required. Configure the SAP data source access and authentication after installation, when Reporting and Analysis creates the correct SAP directories. Download it as a registered user at <https://service.sap.com/connectors>.

Essbase - System 9

This section lists the requirements for:

- Essbase
- Administration Services
- Integration Services
- Provider Services
- Shared Services

Server Requirements

Essbase - System 9 server requirements:

- [“Server OS/Processor” on page 14](#)
- [“Disk Space and RAM” on page 15](#)
- [“Hyperion Software” on page 16](#)
- [“Repository Databases” on page 16](#)
- [“Java Application Server” on page 17](#)
- [“Data Source Requirements” on page 17](#)

Server OS/Processor

Operating System	Platform	Processor	Notes
Windows: <ul style="list-style-type: none">● Windows 2003 SP1● Windows 2000 Server SP4	32-bit	x86	
<ul style="list-style-type: none">● Windows 2003 SP1 (Server Enterprise Edition)	64-bit	Itanium 2	Administration Services and Provider Services only support Windows 2003 64-bit if Tomcat is used as the application server.
<ul style="list-style-type: none">● Windows 2003 SP1 (Server Enterprise Edition)	64-bit	x64	For example, AMD Opteron or Intel Xeon Applies only to Essbase
HP-UX: <ul style="list-style-type: none">● HP-UX 11.11*	32-bit	Risc	
<ul style="list-style-type: none">● HP-UX 11.31● HP-UX 11.23	64-bit	Itanium 2	Administration Services and Provider Services only support Windows 2003 64-bit if Tomcat is used as the application server.

Operating System	Platform	Processor	Notes
IBM AIX: <ul style="list-style-type: none"> ● AIX 5.3 ML3 ● AIX 5.2 ML7 	32-bit	PowerPC	For AIX 5.2, Shared Services requires ML8.
<ul style="list-style-type: none"> ● AIX 5.3 ML3 ● AIX 5.2 ML7 	64-bit	PowerPC	Applies only to: <ul style="list-style-type: none"> ● Essbase ● Integration Services
Oracle Enterprise Linux 4.0	32-bit	x86	
Red Hat Linux: <ul style="list-style-type: none"> ● Red Hat Linux AS 4.0 Update 2 with glibc-2.3.4-2.13 or later ● Red Hat Linux EL 4.0 	32-bit	x86	
Solaris: <ul style="list-style-type: none"> ● Solaris 10 ● Solaris 9 	32-bit	SPARC V9	
<ul style="list-style-type: none"> ● Solaris 10 ● Solaris 9 	64-bit	SPARC V9	Applies only to: <ul style="list-style-type: none"> ● Integration Services ● Essbase

*Hyperion release 9.3.1 is the last release to support HP-UX 11.11 Risc.

Disk Space and RAM

Disk space and RAM requirements are for Hyperion products and sample applications.

Component	Disk Space	RAM	Notes
Essbase Server*	1 GB	1 GB	
Application Programming Interface	20 MB	256 MB minimum	
Analytic Administration Server	500 MB [†]	32 MB times the number of concurrent Administration Server users For example, 32 MB * 10 users = 320 MB. For detailed RAM requirements, see the <i>Essbase Administration Services Installation Guide</i> .	
Essbase Integration Server	170 MB	256 MB	
Provider Services	340 MB	128 MB	

*32-bit Administration Server supports both 32-bit and 64-bit Essbase Server. 64-bit Administration Server supports only 64-bit Essbase Server.

[†]Allow extra disk space for data files and outline files that are copied to Administration Server during data loading and outline editing, respectively.

Hyperion Software

Required Hyperion Software	Required For	Notes
Shared Services (unless using Essbase in native security mode)	<ul style="list-style-type: none"> ● Essbase ● Administration Services ● Provider Services 	See “Shared Services Requirements” on page 7.
Essbase	<ul style="list-style-type: none"> ● Administration Services ● Integration Services ● Provider Services 	
Administration Services	Provider Services	
Smart View	Provider Services	

Note:

For information about which releases of these required products are compatible with this release of Essbase - System 9, see [Chapter 2, “Release Compatibility.”](#)

Repository Databases

A repository is required for:

- Administration Services—only when using Log Analyzer
- Integration Services
- Shared Services

Supported Relational Data Repositories	Notes
<ul style="list-style-type: none"> ● IBM DB2 9.1 ● IBM DB2 8.2 	Applies only to Administration Services
<ul style="list-style-type: none"> ● Microsoft SQL Server 2005 SP1* ● Microsoft SQL Server 2000 SP3a 	Applies only to Administration Services
Oracle:† <ul style="list-style-type: none"> ● Oracle 11g‡ ● Oracle 10g Release 2 (10.2.0.2) ● Oracle 10g (10.1.0.5) ● Oracle 9i (9.2.0.5) 	Applies only to Administration Services

*By default, SQL Server 2005 disables TCP/IP connections to the database. Ensure that the TCP/IP connections are enabled.

†For all supported versions of Oracle: 1) Includes support for RAC - Real Application Cluster and ASM. Includes support for SE, SE1, EE. The Oracle OLE provider and Oracle database server must be the same version.

‡Oracle 11g will be supported when it is Generally Available.

Java Application Server

If an application contains more than 500 users and 10,000 measures, deploy to a Java application server cluster for increased scalability.

Java Application Servers are required for:

- Administration Services
- Provider Services
- Shared Services

Supported Java Application Servers	Notes
<ul style="list-style-type: none">● Apache Tomcat 5.0.28*● BEA WebLogic 9.1†● BEA WebLogic 8.1.6‡	
<ul style="list-style-type: none">● IBM WebSphere 6.1.0.5^d● IBM WebSphere 6.0.2.11	
<ul style="list-style-type: none">● Oracle 10g Release 3 (10.1.3.1.0)● Oracle 10g Release 2 (10.1.2.0.2)	

*Apache Tomcat is automatically installed on all platforms. For deployments that require high availability or failover, Hyperion recommends using a commercially supported Java application server that supports high availability and failover.

†WebLogic Express is supported for each supported version of WebLogic.

‡Hyperion release 9.3.1 is the last release to support BEA WebLogic 8.1.6.

^dWebSphere Express and Premium are supported for each supported version of WebSphere.

Data Source Requirements

Database Connectivity

Database Connectivity applies only to Essbase SQL Interface and Integration Services.

For more information, see the *Hyperion Essbase - System 9 Installation Guide* and the *Essbase Integration Services Installation Guide*.

Protocols	Drivers Supported	Notes
ODBC	DataDirect 5.2 SP1	
JDBC	DataDirect 3.6 build 24	

Reporting and Analysis

This section lists the requirements for:

- Financial Reporting
- Interactive Reporting
- SQR Production Reporting
- Web Analysis
- Workspace
- Shared Services

Server Requirements

Reporting and Analysis server requirements:

- [“Server OS/Processor” on page 18](#)
- [“Disk Space and RAM” on page 19](#)
- [“Required Hyperion Software” on page 19](#)
- [“Required Third-Party Software” on page 19](#)
- [“Repository Databases” on page 20](#)
- [“Java Application Servers and Web Servers” on page 20](#)

Server OS/Processor

Operation System	Platform	Processor	Notes
Windows: <ul style="list-style-type: none"> ● Windows 2003 SP1 ● Windows 2000 Server SP4 	32-bit	x86	
HP-UX: <ul style="list-style-type: none"> ● HP-UX 11.31 ● HP-UX 11.23 	64-bit	Itanium 2	Interactive Reporting services run only in 32-bit mode.
<ul style="list-style-type: none"> ● HP-UX 11.11* 	32-bit	RISC	
IBM AIX: <ul style="list-style-type: none"> ● AIX 5.3 ML3 ● AIX 5.2 ML7 	32-bit†	PowerPC	For AIX 5.2, Shared Services requires ML8.
Red Hat Linux: <ul style="list-style-type: none"> ● Red Hat Linux AS 4.0 Update 2 with glibc-2.3.4-2.13 or later ● Red Hat Linux EL 4.0 	32-bit	x86	
Solaris: <ul style="list-style-type: none"> ● Solaris 10 	32-bit	SPARC	

Operation System	Platform	Processor	Notes
<ul style="list-style-type: none"> Solaris 9 			

*Release 9.3.1 is the last release to support HP-UX 11.11 RISC.

†If running Reporting and Analysis on a UNIX platform, do not use Financial Management as a data source.

Disk Space and RAM

Disk space and RAM requirements are for Hyperion products and sample applications.

Component	Disk Space	RAM
Workspace	1 GB For services: 200 MB For importing files: 1 GB minimum	1 GB For services: 1 GB minimum
Financial Reporting	200 MB	1 GB
Interactive Reporting	500 MB	1 GB
SQR Production Reporting	200 MB	256 MB
Web Analysis	2 GB	1 GB

Required Hyperion Software

Reporting and Analysis requires Shared Services. See also [“Shared Services Requirements” on page 7](#).

Required Third-Party Software

Software	Required For	Notes
<ul style="list-style-type: none"> One of the following Distillers: <ul style="list-style-type: none"> Adobe Acrobat Distiller Server 6.0* AFPL Ghostscript 8.5.1, or GNU Ghostscript 7.0.6 	Required only for Financial Reporting [†]	
<p>One of the following:</p> <ul style="list-style-type: none"> Microsoft SQL Server (2005 SP1 or 2000 SP3a) Analysis Services client—Windows only SAP GUI 6.20 OLE DB for OLAP Provider—Windows only SAP GUI 6.4 OLE DB for OLAP Provider—Windows only 	Interactive Reporting	
<p>One of the following:</p> <ul style="list-style-type: none"> NetWeaver BI and SAP BW 7.0 connectivity require the use of SAP JCO 2.1.7 For Microsoft SQL Server, you need Microsoft SQL Server (2005 SP1 or 2000 SP3a) Analysis Services. The SSAS client and SSAS server versions must match. 	<ul style="list-style-type: none"> Financial Reporting SQR Production Reporting Web Analysis 	

Software	Required For	Notes
SQL Grid connectivity (Supports SQL Grid with Oracle, IBM DB2, and Microsoft SQL Server)—Merant drivers	<ul style="list-style-type: none"> ● Financial Reporting ● Web Analysis 	

*To obtain a copy of Acrobat Distiller Server 6.0, see your account manager.

†For Financial Reporting, you must use Ghostscript and not Distiller to import content into Microsoft Word and PowerPoint. When you run Oracle's Hyperion® Configuration Utility™, you must choose AFPL Ghostscript 8.5.1 or GNU Ghostscript 7.0.6.

Repository Databases

One of the following must be used as the repository database:

Database	Notes
IBM DB2: <ul style="list-style-type: none"> ● IBM DB2 9.1 ● IBM DB2 8.2 	
Microsoft SQL Server: <ul style="list-style-type: none"> ● Microsoft SQL Server 2005 SP1* ● Microsoft SQL Server 2000 SP3a 	
Oracle†: <ul style="list-style-type: none"> ● Oracle 11g‡ ● Oracle 10g Release 2 (10.2.0.2) ● Oracle 10g (10.1.0.5) ● Oracle 9i (9.2.0.5) 	

*By default, SQL Server 2005 disables TCP/IP connections to the database. Ensure that the TCP/IP connections are enabled.

†For all supported versions of Oracle: 1) Includes support for Real Application Cluster (RAC) and ASM. Includes support for SE, SE1, and EE. The Oracle OLE provider and Oracle database server must be the same version.

‡Oracle 11g will be supported when it is Generally Available.

Java Application Servers and Web Servers

If an application contains more than 500 users and 10,000 measures, deploy to a Java application server cluster for increased scalability.

A Java Application Server is required for:

- Financial Reporting
- Web Analysis
- Workspace (includes Interactive Reporting and SQR Production Reporting)
- Shared Services

Supported Java Application Servers	Notes
<ul style="list-style-type: none"> ● Apache Tomcat 5.0.28* 	
<ul style="list-style-type: none"> ● BEA WebLogic 9.1† ● BEA WebLogic 8.1.6‡ 	
<ul style="list-style-type: none"> ● IBM WebSphere 6.1.0.5 ● IBM WebSphere 6.0.2.11^d 	
<ul style="list-style-type: none"> ● Sun Java Enterprise System 8.1 05Q4^e 	Does not apply to Shared Services
<ul style="list-style-type: none"> ● Oracle 10g Release 3 (10.1.3.1.0) ● Oracle 10g Release 2 (10.1.2.0.2) 	Includes support for Oracle Application Server Single Sign-On, for Workspace only. Does not apply to Shared Services.

*Apache Tomcat is automatically installed on all platforms. For deployments that require high availability or failover, Hyperion recommends using a commercially supported Java application server that supports high availability and failover.

†WebLogic Express is supported for each supported version of WebLogic.

‡Hyperion release 9.3.1 is the last release to support BEA WebLogic 8.1.6.

^dWebSphere Express and Premium are supported for each supported version of WebSphere.

^eOnly manual deployment is supported for Sun Java Enterprise System.

A Web Server is required for:

- Financial Reporting
- Web Analysis
- Workspace (includes Interactive Reporting and SQR Production Reporting)

Web Server	Notes
Supported Windows Versions: <ul style="list-style-type: none"> ● Apache Server 2.0.52 ● IBM HTTP Server 6.1 ● IBM HTTP Server 6.0 ● Microsoft IIS 6.0 (on Windows 2003 SP1) ● Microsoft IIS 5.0 (on Windows Server 2000 SP4) ● Oracle HTTP Server 	
Supported UNIX Version: <ul style="list-style-type: none"> ● Apache Server 2.0.52 ● IBM HTTP Server 6.1 ● IBM HTTP Server 6.0 ● Oracle HTTP Server 	

Data Source Requirements

Databases as Data Sources

Supported Data Source Databases	Reporting and Analysis Modules and Connectivity	Notes
<p>Hyperion data sources: one or more of the following:*</p> <ul style="list-style-type: none"> ● Essbase 	<ul style="list-style-type: none"> ● Interactive Reporting—C API / MDX ● Financial Reporting—ADM ● Web Analysis—ADM 	
<ul style="list-style-type: none"> ● Financial Management 	<ul style="list-style-type: none"> ● Financial Reporting—ADM ● Web Analysis—ADM 	The version of Financial Management ADM must match the version of Financial Management Server
<ul style="list-style-type: none"> ● Planning 	<ul style="list-style-type: none"> ● Financial Reporting—ADM ● Web Analysis—ADM 	<ul style="list-style-type: none"> ● Planning data sources only apply to Financial Reporting. ● Web Analysis supports Planning only for access to Essbase cubes. ● The version of Planning ADM must match the release of Planning Server.
<ul style="list-style-type: none"> ● One of the following: <ul style="list-style-type: none"> ○ Microsoft Access 2007 ○ Microsoft Access 2003 ○ Microsoft Access XP (2002) ○ Microsoft Access 2000 	SQR Production Reporting—ODBC	Supported only by SQR Production Reporting —Windows only
<ul style="list-style-type: none"> ● IBM DB2 9.1 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC, DB2 Connect ● Web Analysis—JDBC 	
<ul style="list-style-type: none"> ● IBM DB2 8.2 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC, DB2 Connect ● Web Analysis—JDBC 	
<ul style="list-style-type: none"> ● IBM DB2 v7x for z/OS 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC, DB2 Connect 	<p>Supported only by:</p> <ul style="list-style-type: none"> ● Interactive Reporting ● SQR Production Reporting ● Web Analysis
<ul style="list-style-type: none"> ● IBM DB2: <ul style="list-style-type: none"> ○ IBM DB2 OLAP Server 8.2 		Not supported by:

Supported Data Source Databases	Reporting and Analysis Modules and Connectivity	Notes
<ul style="list-style-type: none"> ○ IBM DB2 OLAP Server 8.1.7a 		<ul style="list-style-type: none"> ● Oracle's Hyperion® Interactive Reporting Studio ● Oracle's Hyperion® Financial Reporting Studio ● Web Analysis
<ul style="list-style-type: none"> ● Informix 9.4 and later 	SQR Production Reporting—ODBC, JDBC, SDK 2.81	Supported only by SQR Production Reporting
<ul style="list-style-type: none"> ● Informix 9.2 and later 	Interactive Reporting—ODBC	Supported only by Interactive Reporting
<ul style="list-style-type: none"> ● Microsoft SQL Server: <ul style="list-style-type: none"> ○ Microsoft SQL Server 2005 SP1† ○ Microsoft SQL Server 2000 SP3a 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC ● Web Analysis—JDBC 	
<ul style="list-style-type: none"> ● Microsoft SQL Server:‡ <ul style="list-style-type: none"> ○ Microsoft SQL Server 2005 SP1 Analysis Services ○ Microsoft SQL Server 2000 SP3a Analysis Services 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBO ● Financial Reporting—ADM ● SQR Production Reporting—DDO ● Web Analysis—ADM 	
<ul style="list-style-type: none"> ● OpenEdge 10.1B 	SQR Production Reporting—ODBC	Supported only by SQR Production Reporting
<ul style="list-style-type: none"> ● Oracle^d: <ul style="list-style-type: none"> ○ Oracle 11g^e ○ Oracle 10g Release 2 (10.2.0.2) ○ Oracle 10g (10.1.0.5) ○ Oracle 9i (9.2.0.5) 	<ul style="list-style-type: none"> ● Interactive Reporting—OCI, ODBC ● SQR Production Reporting—OCI, ODBC, JDBC ● Web Analysis—JDBC 	
<ul style="list-style-type: none"> ● Progress 9.1E04 	SQR Production Reporting—ODBC	Supported only by SQR Production Reporting
<ul style="list-style-type: none"> ● Red Brick 6.3 or higher 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC 	Supported only by: <ul style="list-style-type: none"> ● Interactive Reporting—Windows only ● SQR Production Reporting—Windows only
<p>SAP:</p> <ul style="list-style-type: none"> ● SAP BW 3.1 or 3.5 ● NetWeaver BI (SAP BW) 7.0 	<ul style="list-style-type: none"> ● Financial Reporting—BAPI ● Interactive Reporting—ODBO ● SQR Production Reporting—BAPI ● Web Analysis—BAPI 	

Supported Data Source Databases	Reporting and Analysis Modules and Connectivity	Notes
SAP R/3 <ul style="list-style-type: none"> ● SAP R/3 Enterprise (mySAP ERP 2005) 4.6C / 6.x 	<ul style="list-style-type: none"> ● SQR Production Reporting—BAPI 	Supported only by SQR Production Reporting
<ul style="list-style-type: none"> ● Sybase 15 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC, CTLIB 	Supported only by: <ul style="list-style-type: none"> ● Interactive Reporting ● SQR Production Reporting
<ul style="list-style-type: none"> ● Sybase ASE 12.5.1 and 12.5.2 and later 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, JDBC, CTLIB ● Web Analysis—JDBC 	Supported only by: <ul style="list-style-type: none"> ● Interactive Reporting ● SQR Production Reporting
<ul style="list-style-type: none"> ● Sybase IQ 12.6 and later 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC 	Supported only by: <ul style="list-style-type: none"> ● Interactive Reporting—Windows only ● SQR Production Reporting—Windows only
Teradata: ^{fg} <ul style="list-style-type: none"> ● Teradata V2R6.0 and later ● Teradata V2R5.1 and later 	<ul style="list-style-type: none"> ● Interactive Reporting—ODBC ● SQR Production Reporting—ODBC, PP2(Solaris, PA-RISC HP-UX) ● Web Analysis—JDBC 	Supported only by: <ul style="list-style-type: none"> ● Interactive Reporting ● SQR Production Reporting ● Web Analysis

* data sources should be consistent with compatibility matrix. See [Chapter 2, "Release Compatibility"](#)

[†]By default, SQL Server 2005 disables TCP/IP connections to the database. Ensure that the TCP/IP connections are enabled.

[‡]Microsoft SQL Server Analysis Services, supported only by Windows-based Reporting and Analysis servers

[§]For all supported versions of Oracle: 1) Includes support for Real Application Cluster (RAC) and ASM. Includes support for SE, SE1, and EE. The Oracle OLE provider and Oracle database server must be the same version.

[¶]Oracle 11g will be supported when it is Generally Available.

^{††}Teradata ODBC drivers must be obtained separately from Teradata.

^{‡‡}Teradata driver versions 3.05 and 3.06 are supported.

Financial Performance Management Applications

This section lists the requirements for:

- Performance Management Architect
- Financial Management
- Performance Scorecard
- Planning
- Strategic Finance
- Shared Services

Server Requirements

Financial Performance Management Applications server requirements:

- [“Server OS/Processor” on page 25](#)
- [“Disk Space and RAM” on page 26](#)
- [“Required Hyperion Software” on page 26](#)
- [“Required Third-Party Software” on page 27](#)
- [“Repository Databases” on page 27](#)
- [“Java Application Servers and Web Servers” on page 28](#)

Server OS/Processor

Operating System	Platform	Processor	Notes
<ul style="list-style-type: none"> ● Windows 2003 SP1* ● Windows 2000 Server SP4 	32-bit	Dual Pentium 4, 2 GHz minimum	Supported only by: <ul style="list-style-type: none"> ● Financial Management Server ● Database Server for Financial Management ● Planning ● Performance Scorecard
<ul style="list-style-type: none"> ● Windows 2003 SP1 ● Windows 2000 Server SP4 	32-bit	Dual Pentium 2, 8 GHz minimum	Supported only by: Strategic Finance Server†
<ul style="list-style-type: none"> ● Windows 2003 SP1‡ ● Windows 2000 Server SP4 	64-bit	Itanium 2	Planning supports only Windows 2003 64-bit for Planning Web using Tomcat. Performance Management Architect does not support 64-bit.
<ul style="list-style-type: none"> ● HP-UX 11.23 	64-bit	Itanium 2	Planning supports only HP-UX 11.23 64-bit for Planning Web using Tomcat. Performance Management Architect does not support 64-bit.
HP-UX: <ul style="list-style-type: none"> ● HP-UX 11.11^d 	32-bit	PA-RISC	Supported only by Performance Scorecard
IBM AIX: <ul style="list-style-type: none"> ● AIX 5.3 ML3 ● AIX 5.2 ML7 	32-bit	PowerPC	Supported only by: <ul style="list-style-type: none"> ● Performance Scorecard ● Planning For AIX 5.2, Shared Services requires ML8.
Oracle Enterprise Linux 4.0	32-bit		

Operating System	Platform	Processor	Notes
Red Hat Linux: <ul style="list-style-type: none"> Red Hat Linux AS 4.0 Update 2 with glibc-2.3.4-2.13 or later Red Hat Linux EL 4.0 	32-bit	x86	Supported only by Performance Scorecard
Solaris: <ul style="list-style-type: none"> Solaris 10 Solaris 9 	32-bit	SPARC	Supported only by: <ul style="list-style-type: none"> Performance Scorecard Planning

*For Financial Management, also install the following DCOM hot fix from Microsoft: <http://support.microsoft.com/kb/899148>

†Strategic Finance Server –Requires a Dual or Quad Pentium for 50 or more users connecting to the server to check entities in and out or to run server-based consolidation for structures that contain more than 15 entities.

‡For Financial Management, also install the following DCOM hot fix from Microsoft: <http://support.microsoft.com/kb/899148> .

§Release 9.3.1 is the last release to support HP-UX 11.11 PA-RISC.

Disk Space and RAM

Disk space and RAM requirements are for Hyperion products and sample applications.

Component	Disk Space	RAM	Notes
Financial Management Server	32 GB (10 GB available)	4 GB	
Database Server for Financial Management	12 GB minimum	4 GB minimum	
Planning	32 GB (10 GB available)	4 GB	
Performance Scorecard	2 GB recommended (1 GB minimum)	1 GB*	
Strategic Finance Server	250 MB†	2 GB minimum	

*1 GB includes Performance Scorecard and Alerter servers.

†Sufficient storage should be included to contain the entities, their backup archives, administrative and transaction files, and user background task logs, such as consolidation reports.

Required Hyperion Software

See the other sections in this chapter to check requirements for other required Hyperion products.

Required Software	Required For	Notes
Essbase (Essbase Server and Administration Services components)	<ul style="list-style-type: none"> Planning Performance Scorecard Server—for custom reporting through cube production 	
Performance Management Architect (optional)	<ul style="list-style-type: none"> Financial Management—(Optional if you are using Classic Application Administration)—Performance Management Architect is part of the Financial Management installation 	

Required Software	Required For	Notes
	<ul style="list-style-type: none"> ● Planning—(Optional if you are using Classic Application Administration)—Performance Management Architect is part of the Planning installation 	
Shared Services	<ul style="list-style-type: none"> ● Financial Management ● Planning ● Performance Scorecard (unless using Performance Scorecard in native authentication mode) ● Strategic Finance—Shared Services is required if importing and exporting with Financial Management, Planning, or Essbase, or if using a security provider other than NTLM, such as LDAP 	See “Shared Services Requirements” on page 7.
Workspace	<ul style="list-style-type: none"> ● Financial Management ● Planning 	

Required Third-Party Software

Third-Party Software	Notes
Microsoft .NET Framework 2.0	Required only for Performance Management Architect *
Java tools—Java Cryptology Extension 1.2.2	Required only for Performance Scorecard Server
MDAC 2.8 (for Oracle and SQL Server)	Required only for Strategic Finance
PKZip 8.0 (command-line interface) for database backup	Strategic Finance

*If using Performance Management Architect, Microsoft .NET Framework 2.0 is installed automatically by the Planning or Financial Management setup program if not already installed.

Repository Databases

Products that require a data repository:

- Performance Management Architect
- Financial Management
- Performance Scorecard
- Planning
- Shared Services

Relational Data Repositories	Notes
<ul style="list-style-type: none"> ● IBM DB2 9.1 ● IBM DB2 8.2 	If you use an IBM DB2 database for Performance Management Architect, DB2 9 Runtime Client and DB2 .NET Data Provider 9.1.0.2 must be installed on the Performance Management Architect Dimension server.
<ul style="list-style-type: none"> ● Microsoft SQL Server 2005 SP1 ● Microsoft SQL Server 2000 SP3a 	By default, SQL Server 2005 disables TCP/IP connections to the database. Ensure that the TCP/IP connections are enabled.
Oracle*: <ul style="list-style-type: none"> ● Oracle 11g[†] ● Oracle 10g Release 2 (10.2.0.2) ● Oracle 10g (10.1.0.5) ● Oracle 9i (9.2.0.5) 	<ul style="list-style-type: none"> ● For all supported versions of Oracle, the Oracle OLE provider and Oracle database server must be the same version. ● Performance Management Architect—The Oracle client must be installed on the Dimension server.

*For all supported versions of Oracle: 1) Includes Support for Real Application Cluster (RAC) - and ASM. Includes support for SE, SE1, and EE. The Oracle OLE provider and Oracle database server must be the same version.

[†]Oracle 11g will be supported when it is Generally Available.

Java Application Servers and Web Servers

If an application contains more than 500 users and 10,000 measures, deploy to a Java application server cluster for increased scalability.

A Java application server is required only for:

- Performance Management Architect
- Planning
- Performance Scorecard
- Shared Services

Java Application Servers	Notes
<ul style="list-style-type: none"> ● Apache Tomcat 5.0.28* 	
<ul style="list-style-type: none"> ● BEA WebLogic 9.1[†] ● BEA WebLogic 8.1.6 	
<ul style="list-style-type: none"> ● IBM WebSphere 6.1.0.5[‡] ● IBM WebSphere 6.0.2.11 	
<ul style="list-style-type: none"> ● Oracle 10g Release 3 (10.1.3.1.0) ● Oracle 10g Release 2 (10.1.2.0.2) 	

*Apache Tomcat is automatically installed on all platforms. For deployments that require high availability or failover, Hyperion recommends using a commercially supported Java application server that supports high availability and failover.

[†]WebLogic Express is supported for each supported version of WebLogic.

[‡]WebSphere Express and Premium are supported for each supported version of WebSphere.

The following products require a Web server:

- Performance Management Architect
- Financial Management
- Planning

Web Server	Notes
Windows: <ul style="list-style-type: none"> ● Microsoft IIS 6.0 (on Windows 2003 SP1) ● Microsoft IIS 5.0 (on Windows Server 2000 SP4) ● Apache Server 2.0.52 	<ul style="list-style-type: none"> ● Performance Management Architect—Uses only IIS 6.0 or 6.0 for Web Services ● Financial Management—Uses only IIS ● Planning—Can use an internal WebLogic or WebSphere Web server
UNIX: Apache Server 2.0.52	Not supported for: <ul style="list-style-type: none"> ● Performance Management Architect ● Financial Management

Data Management

This section lists the requirements for:

- Data Integration Management
- FDM
- Data Relationship Management
- Translation Manager
- Shared Services

Server Requirements

- [“Server OS/Processor ” on page 29](#)
- [“Disk Space/RAM” on page 31](#)
- [“Required Hyperion Software” on page 31](#)
- [“Required Third-Party Software ” on page 32](#)
- [“Repository Databases ” on page 32](#)
- [“Java Application Servers and Web Servers” on page 33](#)

Server OS/Processor

Operating System	Platform	Processor	Notes
Microsoft Windows: <ul style="list-style-type: none"> ● Windows 2003 SP1 	32-bit	x86	

Operating System	Platform	Processor	Notes
<ul style="list-style-type: none"> Windows 2000 Server SP4* 			
<ul style="list-style-type: none"> Windows 2003 SP1 Windows 2000 Server SP4 	32-bit	Pentium 4	Supported by: <ul style="list-style-type: none"> FDM Web Server—per 75 concurrent users Translation Manager†
<ul style="list-style-type: none"> Windows 2003 SP1 Windows 2000 Server SP4 	32-bit	Dual Pentium 4, 2 GHz	Supported by: <ul style="list-style-type: none"> FDM Application Server—per 75 concurrent users Data Relationship Management—Application Server Data Relationship Management—Database Server
<ul style="list-style-type: none"> Windows 2003 SP1 Windows 2000 Server SP4 	32-bit	Quad Pentium 4	Supported by only FDM Database Server
HP-UX 11.11‡	32-bit	PA-RISC	Supported by only Data Integration Management
IBM AIX: <ul style="list-style-type: none"> AIX 5.3 ML3 AIX 5.2 ML7 	32-bit	PowerPC	Supported by: <ul style="list-style-type: none"> Data Integration Management Translation Manager For AIX 5.2, Shared Services requires ML8.
Oracle Enterprise Linux 4.0 ^d	32-bit		
Red Hat Linux ^e : <ul style="list-style-type: none"> Red Hat Linux AS 4.0 Update 2 with glibc-2.3.4-2.13 or later Red Hat Linux EL 4.0 	32-bit	x86	Supported by only Data Integration Management
Solaris: <ul style="list-style-type: none"> Solaris 10 Solaris 9 	32-bit	SPARC	Supported by: <ul style="list-style-type: none"> Data Integration Management Translation Manager

*FDM—FDM Web Server runs on Windows 2000 server only if no other .NET applications are installed. Not recommended.

†Translation Manager—Requires a Pentium 4, 800 MHz minimum.

‡Release 9.3.1 is the last release to support HP-UX 11.11 PA-RISC.

^dOracle Enterprise Linux 4.0—for supporting browser-based clients only.

^eRed Hat Linux AS / EL—For supporting browser-based clients only.

Disk Space/RAM

Component	Disk Space	RAM	Notes
Data Integration Management: PowerCenter Repository Server*	150 MB	256 MB	
PowerCenter Server	70 MB	256 MB	
FDM Database Server	<ul style="list-style-type: none"> Dependent on size of the FDM application Multiple HDDs to spread processing 	1 GB per 75 concurrent users (2 GB minimum)	
FDM folder structure	Dependent on size of the FDM application		
FDM Application Server	200 MB	2 GB (per 75 concurrent users)	
FDM Web Server	200 MB	2 GB	
Data Relationship Management- Database Server†	2 GB minimum	2 GB	
Data Relationship Management- Application Server	100 MB	4 GB	
Translation Manager	300 MB	512 MB minimum	

*The installation program requires an additional 30 MB of disk space for temporary files. You must set the TMP environment variable to specify the location of the files; for example, `TMP=D:\temp`.

†If using SQL Server, run it in mixed authentication mode, not Windows-only mode.

Required Hyperion Software

Required Hyperion Software	Notes
Shared Services	<p>Required for:</p> <ul style="list-style-type: none"> Data Integration Management: PowerCenter Server—For external authentication: Shared Services or Informatica native authentication. Data Relationship Management-Application Server—For external authentication only Translation Manager <p>See “Shared Services Requirements” on page 7.</p>
<p>Dependent on the Hyperion products that are deployed, one or more products:</p> <ul style="list-style-type: none"> Essbase Financial Management Oracle's Hyperion® Enterprise® Planning 	<p>For FDM, the required components:</p> <ul style="list-style-type: none"> Workbench Client Application Server

Required Third-Party Software

Requirement	Notes
<ul style="list-style-type: none"> ● Microsoft MDAC 2.6 or later—MDAC is installed by FDM. ● Excel 2000 or later 	Required only for FDM Application Server
<ul style="list-style-type: none"> ● Microsoft IIS 6.0 (on Windows Server 2003) ● Microsoft MDAC 2.6 or later—MDAC is installed by FDM. 	Required only for FDM Web Server
<ul style="list-style-type: none"> ● Optional—Additional client software, such as Oracle SQL*Plus for Oracle and Query Analyzer for SQL Server, can be used for verifying connectivity and for troubleshooting. ODBC can also be used for troubleshooting. ● A set of client drivers: <ul style="list-style-type: none"> ○ Microsoft SQL Server client drivers (DLLs)* ○ Oracle client drivers (DLLs) ● Microsoft IIS 5.0 or later ● Microsoft .NET Framework 	Required only for Data Relationship Management - Application Server
<p>For bridging to IIS, a vendor-supplied application server connector:</p> <ul style="list-style-type: none"> ● (Windows only) Apache Tomcat connector ● WebLogic connector ● IBM HTTP server for WebSphere 	Required only for Translation Manager

*If using SQL Server, client software is not required if MDAC 2.7 or later is installed. If MDAC 2.7 is installed on the application server, the installation program automatically updates it to the latest version. If MDAC is not installed, or if the installed version is earlier than 2.7, you must manually install MDAC.

Repository Databases

A repository database is required only for:

- Translation Manager
- FDM
- Data Relationship Management
- Shared Services

Relational Data Repositories	Notes
<ul style="list-style-type: none"> ● IBM DB2 8.2 ● IBM DB2 9.1 	Not supported by FDM or Data Relationship Management
<ul style="list-style-type: none"> ● Microsoft SQL Server 2005 SP1 ● Microsoft SQL Server 2000 SP3a 	By default, SQL Server 2005 disables TCP/IP connections to the database. Ensure that the TCP/IP connections are enabled.
<p>Oracle*:</p> <ul style="list-style-type: none"> ● Oracle 11g † ● Oracle 10g Release 2 (10.2.0.2) 	

Relational Data Repositories	Notes
<ul style="list-style-type: none"> ● Oracle 10g (10.1.0.5) ● Oracle 9i (9.2.0.5) 	

*For all supported versions of Oracle: 1) Includes Support for Real Application Cluster (RAC) and ASM. Includes support for SE, SE1, and EE. The Oracle OLE provider and Oracle database server must be the same version.

†Oracle 11g will be supported when it is Generally Available.

Java Application Servers and Web Servers

A Java application server is required only for:

- Translation Manager
- Shared Services

Java Application Servers	Notes
<ul style="list-style-type: none"> ● Apache Tomcat 5.0.28* 	
<ul style="list-style-type: none"> ● BEA WebLogic 9.1† ● BEA WebLogic 8.16 	<p>Translation Manager supports WebLogic 9.1.</p> <p>FDM Web Servers do not support BEA WebLogic.</p>
<ul style="list-style-type: none"> ● IBM WebSphere 6.1.0.5‡ ● IBM WebSphere 6.0.2.11 	FDM Web Servers do not support BEA WebSphere.
<ul style="list-style-type: none"> ● Oracle 10g Release 3 (10.1.3.1.0) 	

*Apache Tomcat is automatically installed on all platforms. For deployments that require high availability or failover, Hyperion recommends using a commercially supported Java application server that supports high availability and failover.

†WebLogic Express is supported for each supported version of WebLogic.

‡WebSphere Express and Premium are supported for each supported version of WebSphere.

Data Source Requirements

Database Connectivity

Data Integration Management PowerCenter Server requires Native drivers for database connectivity.

Oracle's Hyperion® Translation Manager requires ODBC protocol and the DataDirect 5.2 SP1 driver.

2

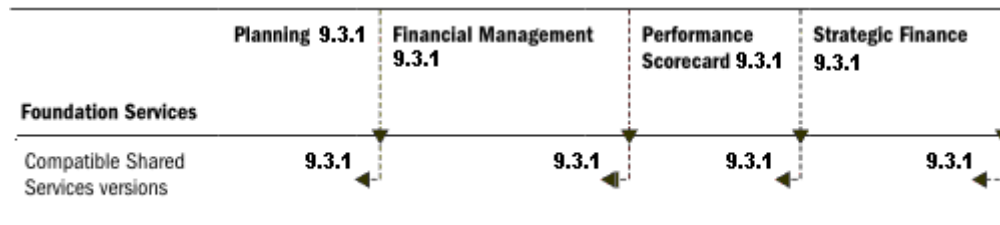
Release Compatibility

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How to Read the Tables in This Chapter

To ensure that you obtain the correct information from the tables in this chapter, read down each column to identify the versions of other Hyperion products that are compatible with the product named at the head of the column.



For example, Planning 9.3.1 is compatible with Shared Services version 9.3.1.

Shared Services Release Compatibility

Release 9.3.1 Hyperion products are not compatible with previous versions of Shared Services. Therefore, if you upgrade any Hyperion product to Release 9.3.1, you must upgrade Shared Services to Release 9.3.1.

However, Shared Services 9.3.1 is compatible with previous versions of Hyperion products. Therefore, you can use Shared Services 9.3.1 with previous versions of other Hyperion products. (For example, you can use Essbase 9.2.x with Shared Services 9.3.1).

Essbase - System 9 Release Compatibility

Table 1 Essbase - System 9 Release Compatibility

	Essbase 9.3.1	Administration Services 9.3.1	Integration Services 9.3.1	Provider Services 9.3.1
Foundation Services				
Compatible Shared Services versions	9.3.1	9.3.1	NA	9.3.1
Compatible Smart View versions	9.3.x	NA	NA	9.3.x
Essbase - System 9				
Compatible Essbase versions	NA	9.x 7.1.6	9.x 7.1.6	9.x 7.1.6
Compatible Administration Services versions	9.3.x	NA	9.3.x 7.1.6	NA
Compatible Provider Services versions	9.x	9.3.x	NA	NA
Compatible Integration Services versions	9.3.x 7.1.6	NA	NA	NA
Reporting and Analysis				
Compatible Financial Reporting versions	9.3 9.2	NA	NA	NA
Compatible SQR Production Reporting versions	9.3 9.2	NA	NA	NA
Compatible Interactive Reporting versions	9.3.x	NA	NA	NA
Compatible Web Analysis versions	9.3 9.2	NA	NA	NA
Compatible Oracle's Hyperion® Application Builder J2EE versions	9.3 9.2	NA	NA	NA
Financial Performance Management Applications				
Compatible Planning versions *	9.3.x 9.2.x 4.1	9.3.x 9.2.x 4.1	NA	NA

	Essbase 9.3.1	Administration Services 9.3.1	Integration Services 9.3.1	Provider Services 9.3.1
Compatible Financial Management versions †	9.3.x 9.2.x 4.1	NA	NA	NA
Compatible Performance Scorecard versions	9.3.x 9.2.x 9.0.1 4.1 4.0.5 4.0.1 4.0	NA	NA	NA
Compatible Strategic Finance versions	NA	NA	NA	NA

Data Management

Compatible Data Relationship Management versions	All versions through flat files	NA	NA	NA
Compatible FDM versions	9.2 9.3 9.3.1	NA	NA	NA
Compatible Data Integration Management versions	9.3.1	NA	NA	NA

†You must use the same release of Performance Management Architect as Essbase.

†You must use the same release of Performance Management Architect as Essbase.

Reporting and Analysis Release Compatibility

Table 2 Reporting and Analysis Release Compatibility

	Interactive Reporting 9.3.1	Financial Reporting 9.3.1	SQR Production Reporting 9.3.1	Web Analysis 9.3.1
Foundation Services				
Compatible Shared Services versions*	9.3.1	9.3.1	9.3.1	9.3.1
Compatible Smart View versions	9.3.x	9.3.x	9.3.x	9.3.x
Essbase - System 9				

	Interactive Reporting 9.3.1	Financial Reporting 9.3.1	SQR Production Reporting 9.3.1	Web Analysis 9.3.1
Compatible Essbase versions	9.3.x 9.2.x 7.2 7.1.x	9.3.x 9.2.x 7.2 7.1.x	9.3.x 9.2.x 7.2 7.1.x	9.3.x 9.2.x 7.2 7.1.x
Compatible Administration Services versions	NA	NA	NA	NA
Compatible Provider Services versions	NA	9.3.1	NA	9.3.1
Compatible Integration Services versions	NA	9.3.x 9.2.x 9.0	9.3.x 9.2.x 9.0	9.3.x 9.2.x 9.0
Compatible Application Builder J2EE versions	NA	NA	NA	NA
Financial Performance Management Applications				
Compatible Planning versions	NA	9.3.x 9.2.x 4.0.5	NA	9.3.x 9.2.x 4.0.5
Compatible Financial Management versions	NA	9.3.x 9.2.x 4.0.2	NA	9.3.x 9.2.x 4.0.2
Compatible Performance Scorecard versions	NA	NA	NA	NA
Compatible Strategic Finance versions	NA	NA	NA	NA
Data Management				
Compatible Data Relationship Management versions	NA	NA	NA	NA
Compatible FDM versions	NA	NA	NA	NA
Compatible Data Integration Management versions	NA	NA	NA	NA

*Shared Services is not needed for standalone products

Financial Performance Management Applications Release Compatibility

Table 3 Financial Performance Management Applications Release Compatibility

	Planning 9.3.1*†	Financial Management 9.3.1 ‡	Performance Scorecard 9.3.1	Strategic Finance 9.3.1
Foundation Services				
Compatible Shared Services versions	9.3.1	9.3.1	9.3.1	9.3.1
Compatible Smart View versions	9.3.1	9.3.x 9.2.x	NA	NA
Essbase - System 9				
Compatible Essbase versions	9.3.1	9.3.x 9.2.x	9.3.x 9.2.x 9.0.1 7.1.x	9.3.x 9.2.x (7.1.2 API) 7.1.x
Compatible Administration Services versions	9.3.1	9.3.x 9.2.x	NA	NA
Compatible Provider Services versions	NA	NA	NA	NA
Compatible Integration Services versions	NA	NA	9.3.x 9.2.x 9.0.1 7.1.x	NA
Reporting and Analysis				
Compatible Oracle's Hyperion® Financial Reporting – System 9 versions	9.3.1 9.3.0.1	9.3.x	NA	NA
Compatible Oracle's Hyperion® SQR® Production Reporting – System 9 versions	NA	NA	NA	NA
Compatible Oracle's Hyperion® Interactive Reporting – System 9 versions	NA	NA	Through IR Smartcuts	NA

	Planning 9.3.1**†	Financial Management 9.3.1 ‡	Performance Scorecard 9.3.1	Strategic Finance 9.3.1
Compatible Oracle's Hyperion® Web Analysis – System 9 versions	9.3.x 9.2.x	9.3.x	Through Extended Analytics	NA
Compatible Oracle's Hyperion® Application Builder J2EE versions	NA	9.3.x	NA	NA

Financial Performance Management Applications

Compatible Planning versions	NA	9.3.x 9.2.x 4.1.1		The version deployed with Essbase
Compatible Financial Management versions	9.3.1	NA		9.3.x 9.2.x 4.1.1
Compatible Performance Scorecard versions	NA	9.3.x	NA	NA
Compatible Strategic Finance versions	NA	9.3.x	NA	NA

Data Management

Compatible Data Relationship Management versions	All versions through flat files	All versions through flat files	NA	NA
Compatible FDM versions	The version deployed with Essbase	9.3.x	NA	NA
Compatible Data Integration Management versions	9.3.1	9.3.x		NA

*Includes Oracle's Hyperion® Workforce Planning and Capital Expense Planning

†You must use the same release of Performance Management Architect as Planning.

‡You must use the same release of Oracle's Enterprise Performance Management Architect as Financial Management.

Data Management Release Compatibility

Table 4 Data Management Release Compatibility

	Oracle's Hyperion® Data Relationship Management 9.3.1	Oracle's Hyperion® Financial Data Quality Management 9.3.1	Oracle's Hyperion® Data Integration Management 9.3.1
Foundation Services			
Compatible Oracle's Hyperion® Shared Services versions	9.3.1	NA	9.3.1
Compatible Oracle's Hyperion® Smart View for Office versions	NA	NA	NA
Essbase - System 9			
Compatible Essbase versions	All versions through flat files	9.3.x 9.2.x (7.1.2 API) 7.1.x	9.3.x 7.1.x
Compatible Oracle's Essbase® Administration Services versions	All versions through flat files	NA	NA
Compatible Oracle's Hyperion® Provider Services versions	NA	NA	NA
Compatible Oracle's Essbase® Integration Services versions	NA	NA	NA
Financial Performance Management Applications			
Compatible Planning versions	All versions through flat files	The version deployed with Oracle's Hyperion® Essbase® - System 9	9.3.x
Compatible Financial Management versions	All versions through flat files	9.3.x 9.2.x 4.1.1	9.3.x
Compatible Oracle's Hyperion® Performance Scorecard - System 9 versions	NA	NA	9.3.x
Compatible Oracle's Hyperion® Strategic Finance versions	NA	All versions through flat files	NA



Deploying Hyperion 9.3.1 Products with Components from Previous Releases

In This Appendix

Upgrading to a Single-Release Hyperion Product Environment.....	43
Upgrading to a Mixed-Release Hyperion Product Environment.....	44

If you are using multiple Hyperion products in your environment, you can upgrade all products at one time, or you can upgrade only some of the products (a mixed-release environment). This appendix describes how to manage upgrades of all products or only some products and maintain interoperability between products.

See the product installation guides for upgrade procedures for each product.

Upgrading to a Single-Release Hyperion Product Environment

If you are upgrading all Hyperion products at one time to the same release, you can upgrade using the existing machines, upgrading directly over the existing deployment. This type of upgrade can be on a single machine or across a complex multi-machine environment.

For example, if you are upgrading an installation of 9.3.0 products deployed on a single machine and want to upgrade all products to release 9.3.1:

Figure 1 Before Upgrading in a Single-Release Environment

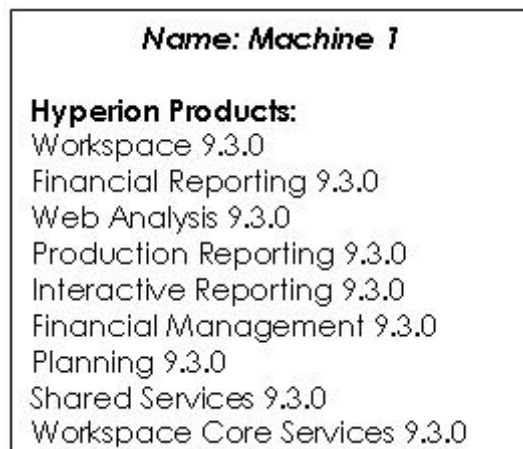


Figure 2 After Upgrading in a Single-Release Environment

<p>Name: Machine 1</p> <p>Hyperion Products: Workspace 9.3.1 Financial Reporting 9.3.1 Web Analysis 9.3.1 Production Reporting 9.3.1 Interactive Reporting 9.3.1 Financial Management 9.3.1 Planning 9.3.1 Shared Services 9.3.1 Workspace Core Services 9.3.1</p>

Upgrading to a Mixed-Release Hyperion Product Environment

In a mixed-release upgrade, you upgrade only some Hyperion products. This scenario requires some manual configuration, and navigation procedures in Workspace differ. See [“Configuring Products in a Mixed-Release Environment”](#) on page 46 and [“Navigating in Workspace in a Mixed-Release Environment”](#) on page 47.

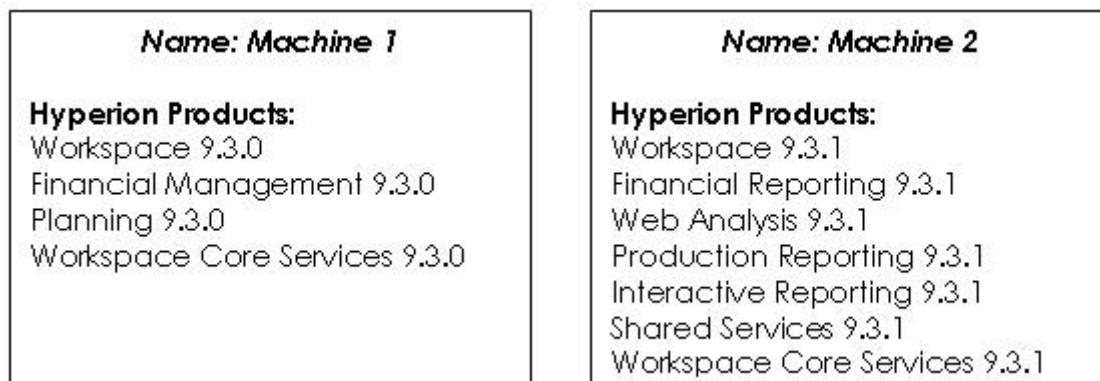
In addition, this scenario requires additional hardware because only one version of a module can run on any machine at one time.

For example, if you are upgrading an installation of Hyperion release 9.3.0 products deployed on a single machine and want to upgrade all products except Financial Management and Planning to release 9.3.1:

Figure 3 Example 1: Before Upgrading in a Mixed-Release Environment

<p>Name: Machine 1</p> <p>Hyperion Products: Workspace 9.3.0 Financial Reporting 9.3.0 Web Analysis 9.3.0 Production Reporting 9.3.0 Interactive Reporting 9.3.0 Financial Management 9.3.0 Planning 9.3.0 Shared Services 9.3.0 Workspace Core Services 9.3.0</p>

Figure 4 Example 1: After Upgrading in a Mixed-Release Environment



Two machines are required for the deployment in a mixed-release environment. The new machine hosts Hyperion release 9.3.1 products, and the original machine retains the release 9.3.0 products. In this configuration, end users access all Hyperion content within a single, centralized Workspace.

In another example, if you are upgrading an installation of Hyperion release 9.3.0 products deployed on a single machine and want to upgrade only Financial Management and Planning to release 9.3.1:

Figure 5 Example 2: Before Upgrading in a Mixed-Release Environment

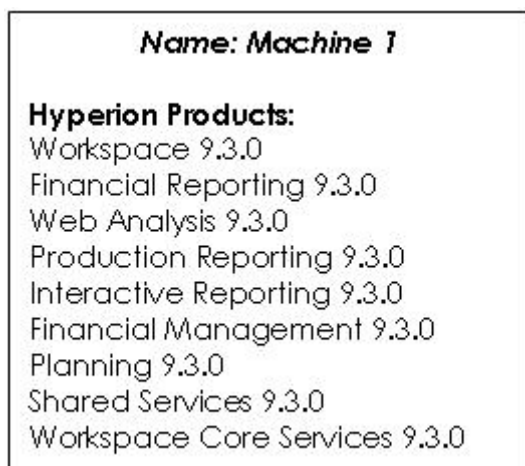
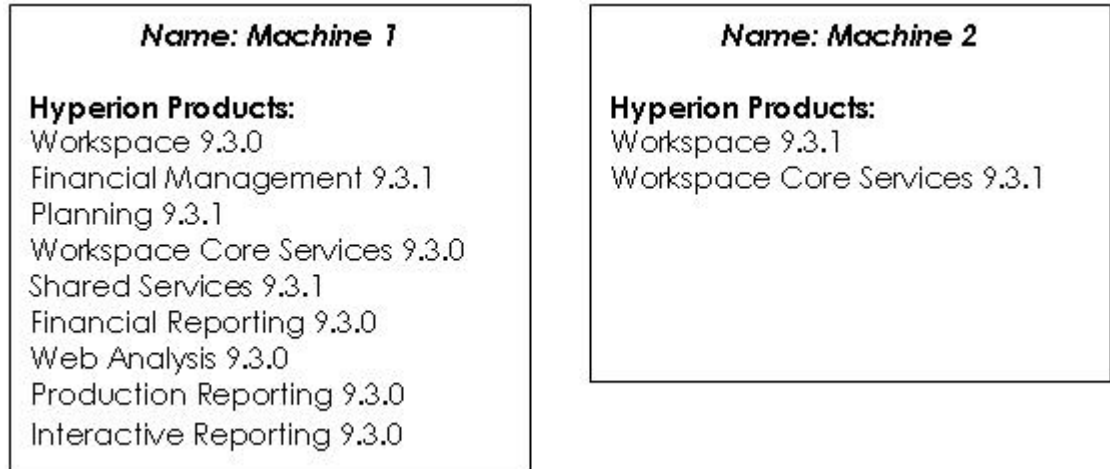


Figure 6 Example 2: After Upgrading in a Mixed-Release Environment



Two machines are required for the deployment in a mixed-release environment. The new machine hosts the Hyperion release 9.3.1 products that are required to use the upgraded Financial Management and Oracle's Hyperion® Planning – System 9, and the original machine hosts the other products. In this configuration, end users access all Hyperion content within a single, centralized Workspace.

Configuring Products in a Mixed-Release Environment

After upgrading in a mixed-release environment, you must perform the following configuration tasks.

- To configure products in a mixed-release environment:

- 1 **Create a custom HTML file based on one of the sample HTML files.**

See [“Sample HTML Files” on page 47](#).

Make appropriate changes to the application name, and to the server protocol, name, port, and (for Oracle's Hyperion® Financial Management – System 9 only) cluster.

- 2 **Upload the sample HTML file into the appropriate machine. From the Workspace File menu, choose Import > File.**

For Example 1 in the previous section, import this HTML file into Machine 2 to manage launching applications on Machine 1. For Example 2 in the previous section, import this HTML file into Machine 1 to manage launching applications on Machine 1.

- 3 **Set access permissions to the imported HTML file using the same method as for other Workspace artifacts, granting access to users that can access the applications on Machine 1.**

Users provisioned with a Reporting and Analysis role and a role for the application should now be able to double-click the file and launch the application.

To allow users with only limited Oracle's Hyperion® Reporting and Analysis – System 9 roles (such as the Viewer role) to access the file, publish it as a Favorite for these users.

► To publish the file as a Favorite:

- 1 Right-click the file and select **Properties**.
- 2 Select **Edit Permissions**.
- 3 Enter a user name and click **Update List**.

You can also publish files to groups or roles.

- 4 Move the user to the box on the right.
- 5 Select the user and click **Edit**.
- 6 Select **View** and **Pushed** and click **OK**.
- 7 Select **Push this item to selected User, Groups, and Roles** and click **OK**.

Navigating in Workspace in a Mixed-Release Environment

You navigate in Workspace differently in mixed-release environments than in single-release environments.

In a single-release environment, you launch applications by clicking **Navigate in Workspace**; the application launches as a tab at the bottom of the Oracle's Hyperion® Workspace.

In a mixed-release environment, you launch applications from the **Explorer** module or from the **Favorites** menu. Applications launched from **Machine 1** in the previous figures open in a separate browser window.

Sample HTML Files

Financial Management Sample:

```
<html>
<head>
<script>
  function launchHyperionWorkspace()
  {
    var protocol = 'http';
    var hyp_server = 'workspace_web_server';
    var port = '19000';
    var appName = 'hfm_application_name';
    var cluster = 'hfm_cluster_name';

    // **** Do not edit below this line ****
    var window_name = protocol+hyp_server+port;
    var uri = protocol + '://' + hyp_server + ":" + port + "/workspace/
index.jsp?sso_token="+encodeURIComponent(parent.gModuleManager.getToken())
+"&module=hfm.appcontainer&sourceApp="+encodeURIComponent(appName)
+"&cluster="+encodeURIComponent(cluster);

    var oldWorkspaceWindows = getWorkspaceWindows();
    var oldWorkspaceWindow = oldWorkspaceWindows[window_name];
```

```

    if(oldWorkspaceWindow)
    {
        try
        {
            oldWorkspaceWindow.launchRelatedContentUri(uri);
        }
        catch(e)
        {
            var newWin = window.open
(uri,window_name,'toolbar=no,location=no,status=yes,personalbar=no,menubar=
no,resizable=yes');
            oldWorkspaceWindows[window_name] = newWin;
        }
    }
    else
    {
        var newWin = window.open
(uri,window_name,'toolbar=no,location=no,status=yes,personalbar=no,menubar=
no,resizable=yes');
        oldWorkspaceWindows[window_name] = newWin;
    }

    var container = parent.gModuleManager.getModuleById
(parent.gModuleManager.getStartup());
    var thisModule = container.getHandler().getActiveModule();
    container.getHandler().unloadModule(thisModule);
}
function getWorkspaceWindows()
{
    if(!parent.gModuleManager.gOldWorkspaceWindows)
    {
        parent.gModuleManager.gOldWorkspaceWindows = {};
    }

    return parent.gModuleManager.gOldWorkspaceWindows;
}
</script>
</head>
<body onload="launchHyperionWorkspace()">
Launching application in a new window.
</body>
</html>

```

Planning Sample

```

<html>
<head>
<script>
function launchHyperionWorkspace()
{
    var protocol = 'http';
    var hyp_server = 'workspace_web_server';
    var port = '19000';
    var appName = 'planning_application_name';

    // **** Do not edit below this line ****

```

```

    var window_name = protocol+hyp_server+port;
    var uri = protocol + '://' + hyp_server + ":" + port + '/workspace/
index.jsp?sso_token='+encodeURIComponent(parent.gModuleManager.getToken())
+'&module=HyperionPlanning.planning&sourceApp='+encodeURIComponent
(appName);

    var oldWorkspaceWindows = getWorkspaceWindows();
    var oldWorkspaceWindow = oldWorkspaceWindows[window_name];
    if(oldWorkspaceWindow)
    {
        try
        {
            oldWorkspaceWindow.launchRelatedContentUri(uri);
        }
        catch(e)
        {
            var newWin = window.open
(uri,window_name,'toolbar=no,location=no,status=yes,personalbar=no,menubar=
no,resizable=yes');
            oldWorkspaceWindows[window_name] = newWin;
        }
    }
    else
    {
        var newWin = window.open
(uri,window_name,'toolbar=no,location=no,status=yes,personalbar=no,menubar=
no,resizable=yes');
        oldWorkspaceWindows[window_name] = newWin;
    }

    var container = parent.gModuleManager.getModuleById
(parent.gModuleManager.getStartup());
    var thisModule = container.getHandler().getActiveModule();
    container.getHandler().unloadModule(thisModule);
}
function getWorkspaceWindows()
{
    if(!parent.gModuleManager.gOldWorkspaceWindows)
    {
        parent.gModuleManager.gOldWorkspaceWindows = {};
    }

    return parent.gModuleManager.gOldWorkspaceWindows;
}
</script>
</head>
<body onload="launchHyperionWorkspace()">
Launching application in a new window.
</body>
</html>

```

