

# BusinessObjects Enterprise XI 3.1 for HP-UX (PA-RISC)

## Supported Platforms

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## Overview

This document lists specific platforms and configurations for the BusinessObjects Enterprise XI 3.1 for HP-UX (PA-RISC).

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## Introduction

This document contains information specific to platforms and configurations for the BusinessObjects Enterprise XI 3.1 release. For the latest information on updates to this document, please visit Business Objects Articles at: <https://www.sdn.sap.com/irj/sdn/businessobjects-articles>.

<b>NOTE</b>	Anything that is highlighted using red font indicates that it is an update, addition or correction made after the original release of this document.
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## Products

### Desktop

Desktop products are only available on Windows. Please go to our [supported platforms](#) web site and refer to the platforms document corresponding to this operating system for a detailed list of the supported languages and platforms.

### Server

- BusinessObjects™ Enterprise XI
- BusinessObjects™ Performance Manager XI
- BusinessObjects™ Predictive Analysis XI
- BusinessObjects™ Process Analysis XI
- BusinessObjects™ Set Analysis XI (server components)
- BusinessObjects™ Web Intelligence XI
- Crystal Reports® 2008 (server components)
- Dashboard Builder
- Encyclopedia
- Process Tracker (1)

(1) Process Tracker product is installed separately. Note that BusinessObjects Enterprise Premium XI 3.1 includes Process Tracker.

## Languages

- Chinese Simplified
- Chinese Traditional
- Danish
- Dutch
- English
- French
- German
- Italian
- Japanese
- Korean
- Norwegian
- Polish
- Portuguese (Brazil)
- Spanish
- Swedish
- Russian
- Thai

## Supported Operating Systems

- HP-UX 11.23 (PA-RISC)

## Minimum Hardware Requirements on HP-UX (PA-RISC)

- HP-UX 11.23
- 2 GB RAM
- 5.25 GB hard drive for BusinessObjects complete install
- 3.5 GB hard drive for BusinessObjects Enterprise patch install

Note 1: The 32-bit compiled binaries of BusinessObjects Enterprise software is supported on 32-bit and 64-bit versions of the HP-UX (PA-RISC) operating system.

Note 2: Additional languages can be installed in BusinessObjects Enterprise via Language Pack Install. On average, an additional 0.3 GB hard disk space is required per language install.

## Minimum Patch Level for HP-UX 11.23

Required minimum operating system install for HP-UX 11.23 plus:

- HPUX11i-OE\_B.11.23.0409 (HP-UX Foundation Operating Environment Component)
- BUNDLE11i\_B.11.23.0409.3 (Required Patch Bundle for HP-UX 11i v2 (B.11.23), September 2004)
- PHKL\_35029 to enable correct functioning of JDK 1.5
- PHSS\_36336 for DNS with Oracle databases
- PHCO\_32220

Higher patches beyond the specified minimum patch requirement may be used, but they may not be officially tested by BusinessObjects products.

## Supported Locales

Language	HP-UX Locales
English	en_US.utf8
French	fr_FR.utf8
Japanese	ja_JP.utf8
Simplified Chinese	zh_CN.utf8
German	de_DE.utf8
Italian	it_IT.utf8
Spanish	es_ES.utf8
Dutch	nl_NL.utf8
Korean	ko_KR.utf8
Traditional Chinese	zh_HK.utf8
	zh_TW.utf8
Swedish	sv_SE.utf8
Portuguese	pt_BR.utf8
Danish	da_DK.utf8
Norwegian	no_NO.utf8
Polish	pl_PL.utf8
Russian	ru_RU.utf8
Thai	No locale

Please consult your UNIX distribution locale documentation on how to install these on your operating system.

## Supported Application Servers

Application Servers	JDK
JBoss 4.0.4	JDK 1.5.0_xx
Oracle Application Server 10gR3 (10.1.3) (2)	JDK 1.5.0_xx
SAP Web Application Server 7 (3)	JDK 1.4.2_xx
Tomcat 5.5	JDK 1.5.0_xx
WebLogic 9.2 MP2	HP-UX JDK 5.0+ (1)
WebLogic 10	HP-UX JDK 5.0+
WebSphere Application Server 6.1.0.7	JDK 1.5.0_xx
WebSphere Application Server Community Edition 2.0	JDK 1.5.0_xx

(1) WebLogic 9.2 requires JDK for the Java 2 Standard Edition platform version 5.0.03 HP PA-RISC 2 with Java HotSpot™ Server VM (32-bit) or any later JDK 5.0.x service packs. It is recommended to install HP-UX patches for Java™ listed at:  
<http://www.hp.com/products1/unix/java/patches/index.html>

(2) Please see release notes on the minimum version supported for Dashboard and Analytics.

(3) Not supported for Web Services.

Note: Native 64-bit Java Application Servers are supported.

### Application Server Incremental Release Support Policy

Specified application servers versions have been successfully tested by Business Objects. Incremental releases of the specified versions defined by the last number in the application server name will be supported as they are made available, but may not have been tested by Business Objects. Exceptions in support will be documented.

### JDK Version Support Policy

JDK major versions are specified to ensure the use of correct version when there are multiple choices provided by the vendor. Business Objects tests and supports any \_xx release installed with a given application server.

### HTTP Servers

Any supported by Application Server vendor.

## Supported Portal Servers

- Oracle Portal Server 10g R3 (10.1.4) (JSR 168)
- WebLogic Portal Server 9.2.x (JSR168)
- WebLogic Portal Server 10.0.x (JSR168)
- WebSphere Portal 6.0.x.x (JSR 168)

### Portal Server minor release support policy

Specified portal servers versions have been successfully tested by Business Objects. Minor/incremental releases of the specified versions defined by the last number (or two in the case of Websphere) in the portal server version number will be supported as they are made available, but all may not have been tested by BO. Exceptions in support will be documented.

## Supported Browsers

Browser OS	Browser	JVM
Apple Mac OS X	Firefox 3.0	Sun 1.5.0_xx Sun 1.6.0_xx
	Firefox 2.0	Sun 1.5.0_xx Sun 1.6.0_xx
	Safari 3.0	Sun 1.5.0_xx Sun 1.6.0_xx
Microsoft Windows	Firefox 3.0	Sun 1.5.0_xx Sun 1.6.0_02+
	Firefox 2.0	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 6.0 SP2	Sun 1.5.0_xx Sun 1.6.0_02+
	IE 7.0	Sun 1.5.0_xx Sun 1.6.0_02+

### SVG and Flash support for Dashboard and Analytics

- SVG is not supported by Dashboard and Analytics for Firefox.
- SVG version 3.0.3 and above supported for Internet Explorer.
- Flash version 7 and above supported for Internet Explorer and Firefox.

## Data Source Middleware Support

BusinessObjects Enterprise Suite products that are compiled as 32-bit native binary are designed to use 32-bit data source middleware connectivity. Unless otherwise specified in the PAR, 64-bit middleware connectivity is not supported. Conversely, native 64-bit offerings of BusinessObjects Enterprise Suite products are designed to exclusively use 64-bit data source middleware connectivity.

## CMS Database (Repository) & Audit Databases

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1
MySQL AB 5.0	MySQL AB ODBC 3.51
	MySQL AB JDBC 5.0 (1)
Oracle 11g R1 (11.1)	Oracle Net Client 10.2 (2) (3)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (2)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (2)
Oracle 9.2	Oracle Net Client 9.2
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

(1) Connectivity not supported for CMS.

(2) Oracle Real Application Cluster (RAC) is supported.

(3) For more information about support of Oracle 11g R1 with Oracle Net Client 10.2, please refer to the Release Notes.

## Dashboard and Analytics Repository Databases

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1
IBM DB2/UDB for zSeries 7	DB2 Client 8.1
IBM DB2/UDB for zSeries 8	DB2 Client 8.2
NCR Teradata V2R6	NCR Teradata ODBC 3.05 (TTU 8.1)
NCR Teradata V2R6.1	NCR Teradata ODBC 3.06 (TTU 8.2)
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)
Teradata V12.0	Teradata ODBC TU 12.00.00.1
	Teradata JDBC TTU 12.00.00.1
Oracle 11g R1 (11.1)	Oracle Net Client 11 R1 (1)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (1)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (1)
Oracle 9.2	Oracle Net Client 9.2
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

(1) Oracle Real Application Cluster (RAC) is supported.

## Web Intelligence, Desktop Intelligence, Dashboard and Analytics Data Sources

Provider Name	Data Connector	Unicode Support
Generic JDBC Data Sources	Java 1.5 (3)	
Generic ODBC Data Sources	UNIX ODBC or DataDirect ODBC manager	
BusinessObjects Data Federator 3.5 (XI R2)	Data Federator JDBC driver v3.5 (1) (3)	
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1	
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 Universal JDBC Driver (3)	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes
	DB2 Universal JDBC Driver (3)	Yes
IBM DB2/UDB for zSeries 7	DB2 Client 8.1 (1)	
	DB2 ODBC Client 8.1 (1)	
IBM DB2/UDB for zSeries 8	DB2 Client 8.2 (1)	
IBM Informix Dynamic Server 10.0	IBM Informix ODBC SDK 2.90	
IBM Informix Dynamic Server 7.31	IBM Informix ODBC SDK 2.81	
IBM Informix Dynamic Server 9.4	IBM Informix ODBC SDK 2.90	
IBM Informix XPS 8.40	IBM Informix ODBC SDK 2.81	
IBM Informix XPS 8.50	IBM Informix ODBC SDK 2.90	
IBM Red Brick Decision Server 6.3	IBM Red Brick ODBC 6	

Microsoft SQL Server 2000 SP4	DataDirect ODBC v5.0 for MS SQL (2)	
Microsoft SQL Server 2005 RTM/SP1/SP2	DataDirect ODBC v5.1 for MS SQL (2)	Yes
	JDBC SQL Server 2005 (1) (3)	Yes
Microsoft SQL Server 2008	Microsoft JDBC 1.2 for SQL Server 2005 (2) (5)	Yes
MySQL AB 5.0	MySQL AB ODBC 3.51.12	
	MySQL AB JDBC 5.0 (1) (3)	
NCR Teradata V2R6	NCR Teradata ODBC 3.05 (TTU 8.1)	Yes
NCR Teradata V2R6.1	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2) (1) (3)	Yes
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2) (1) (3)	Yes
Teradata V12.0	TTU12.0 Teradata ODBC Driver 12.00.00.01	Yes
	TTU12.0 Teradata JDBC Driver 12.00.00.01	Yes
Netezza NPS Server 3.0	Netezza ODBC 3.0 (1)	
Netezza NPS Server 3.1	Netezza ODBC 3.1 (1)	
	Netezza JDBC Access (1) (3)	
Netezza NPS Server 4.0	Netezza ODBC 4.0 (1)	
	Netezza JDBC Access (3)	
Oracle 11g R1 (11.1)	Oracle Net Client 11gR1 (11.1) (4)	Yes
	Oracle JDBC 11g R1 (11.1.0.6) (3) (4)	Yes
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (4)	Yes
	Oracle JDBC 10g R1 (10.1.0.3) (3) (4)	Yes
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (4)	Yes
	Oracle JDBC 10g R2 (10.2.0.1) (3) (4)	Yes
Oracle 9.2	Oracle Net Client 9.2	Yes
	Oracle JDBC 9i (9.2.0.5) (3)	Yes

Progress OpenEdge 10.1B	OpenEdge 10.1B JDBC (1) (3)	
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5	
	jConnect JDBC driver 6.05 (1) (3)	
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
	jConnect JDBC driver 6.05 (1) (3)	
Sybase Adaptive Server IQ 12.6	Sybase ODBC 9 for Adaptive Server IQ 12.6	
Sybase Adaptive Server IQ 12.7	Sybase ODBC 9 for Adaptive Server IQ 12.7	

(1) Not supported for Dashboard and Analytics.

(2) DataDirect drivers for Desktop Intelligence, Dashboard and Analytics, and Web Intelligence are not provided by BusinessObjects.

(3) Not supported for Desktop Intelligence.

(4) Oracle Real Application Cluster (RAC) is supported.

(5) Supported with Release Candidate 0 (RC0).

## Supported Data Sources for Set Analysis

Provider Name	Data Connector
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.1 (1)
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1 (1)
Microsoft SQL Server 2000 SP4	DataDirect ODBC v5.0 for MS SQL
Microsoft SQL Server 2005 RTM/SP1/SP2	DataDirect ODBC v5.1 for MS SQL (2)
Microsoft SQL Server 2008	Microsoft JDBC 1.2 for SQL Server 2005 (2) (3)
NCR Teradata V2R6	NCR Teradata ODBC 3.05 (TTU 8.1)
NCR Teradata V2R6.1	NCR Teradata ODBC 3.06 (TTU 8.2)
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)
Teradata V12.0	Teradata ODBC TTU 12.00.00.1
Netezza NPS Server 2.5	Netezza ODBC 2.5
Netezza NPS Server 3.0	Netezza ODBC 3.0
Oracle 9.2	Oracle Net Client 9.2 (1)
Oracle 10g R1 (10.1)	Oracle Net Client 10.1 (1) (4)
Oracle 10g R2 (10.2)	Oracle Net Client 10.2 (1) (4)
Oracle 11g R1 (11.1)	Oracle Net Client 11.1 (1)
Sybase Adaptive Server Enterprise 12.5	Sybase Open Client 12.5
Sybase Adaptive Server Enterprise 12.5.1	Sybase Open Client 12.5.1
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15

- (1) Please see release notes for Oracle and DB2 connectivity for this product.
- (2) DataDirect drivers are not provided by BusinessObjects.
- (3) Supported with Release Candidate 0 (RC0).
- (4) Oracle Real Application Cluster (RAC) is supported.

## Crystal Reports Reporting Data Sources

Provider Name	Data Connector	Unicode Support
Generic JDBC Data Sources	Java 1.5	Yes
Generic ODBC Data Sources	ODBC	Yes
IBM DB2/UDB for iSeries 5.3	DB2 Client 8.2	Yes
	IBM iSeries Access (JDBC) 5.3	Yes
IBM DB2/UDB for iSeries 5.4	DB2 Connect 9.1	
	IBM iSeries Access (ODBC) 5.4	
	DB2 Universal JDBC Driver	
IBM DB2/UDB for NT/Unix/Linux 8.2	DB2 Client 8.2	Yes
	DB2 JDBC 8.2	Yes
IBM DB2/UDB for NT/Unix/Linux 9.1	DB2 Client 9.1	Yes
	DB2 JDBC 9.1	Yes
IBM DB2/UDB for zSeries 7	DB2 Client 8.1	Yes
	DB2 ODBC Client 8.1	Yes
IBM DB2/UDB for zSeries 8	DB2 Client 8.2	Yes
IBM Informix Dynamic Server 10.0	DataDirect ODBC 5.3 (1)	Yes
IBM Informix Dynamic Server 9.4	DataDirect ODBC 5.3 (1)	Yes
Microsoft SQL Server 2000 SP4	JDBC SQL Server 2000	Yes
	DataDirect ODBC 5.3 for MS SQL (1)	Yes
Microsoft SQL Server 2005 RTM/SP1/SP2	JDBC SQL Server 2005	Yes
	DataDirect ODBC 5.3 for MS SQL (1)	Yes
Microsoft SQL Server 2008	JDBC SQL Server 2005 (2)	Yes
MySQL AB 5.0	MySQL AB ODBC 3.51	Yes
	MySQL AB JDBC 5.0	Yes
NCR Teradata V2R6	NCR Teradata ODBC 3.05 (TTU 8.1)	Yes

Provider Name	Data Connector	Unicode Support
NCR Teradata V2R6.1	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2)	
NCR Teradata V2R6.2	NCR Teradata ODBC 3.06 (TTU 8.2)	Yes
	NCR Teradata JDBC 3.04 (TTU 8.2)	
Teradata V12.0	Teradata ODBC Driver TTU 12.00.00.1	Yes
	Teradata JDBC Driver TTU 12.00.00.1)	Yes
Netezza NPS Server 2.5	Netezza ODBC 2.5	Yes
Netezza NPS Server 3.0	Netezza ODBC 3.0	Yes
Netezza NPS Server 3.1	Netezza ODBC 3.1	Yes
	Netezza JDBC Access	
Netezza NPS Server 4.0	Netezza ODBC 4.0	Yes
	Netezza JDBC Access	Yes
Oracle 11g R1 (10.1)	JDBC Oracle 11.1 (3)	Yes
	Oracle Net Client 11.1 (3)	Yes
Oracle 10g R1 (10.1)	JDBC Oracle 10.1 (3)	Yes
	DataDirect ODBC 5.3 (1) (3)	Yes
	Oracle Net Client 10.1 (3)	Yes
Oracle 10g R2 (10.2)	JDBC Oracle 10.2 (3)	Yes
	DataDirect ODBC 5.3 (1) (3)	Yes
	Oracle Net Client 10.2 (3)	Yes
Oracle 9.2	JDBC Oracle 9.2	Yes
	DataDirect ODBC 5.3 (1)	Yes
	Oracle Net Client 9.2	Yes
Sybase Adaptive Server Enterprise 12.5	JDBC Sybase 12.5	Yes
	DataDirect ODBC 5.3 (1)	Yes
	Sybase Open Client 12.5	

Provider Name	Data Connector	Unicode Support
Sybase Adaptive Server Enterprise 15	Sybase Open Client 15	
Technology		
Java Bean	JDK 1.5	Yes
XML	JDK 1.5	Yes
Crystal Reports Reporting Data Sources Supported for Scheduling Only		
Text	DataDirect ODBC 5.1 (1)	

(1) DataDirect drivers for Crystal Reports are available from Business Objects.

(2) Supported with Release Candidate 0 (RC0).

(3) Oracle Real Application Cluster (RAC) is supported.

### Generic ODBC, OLEDB and JDBC: Limitation

(Supported for Crystal Reports Only)

Database server, client and ODBC/JDBC/OLEDB driver used must support multiple threads.

Generic JDBC: 3rd Party JDBC Type 4-compliant drivers may potentially have issues as not all combinations have been tested, but are supported for \*relational database access\* as a general rule.

Generic ODBC: 3rd Party ODBC Level 2-compliant Drivers may potentially have issues as not all combinations have been tested yet, but are supported as a general rule.

### Scheduled and On-demand Reporting

'Scheduling Only' indicates that the data connectivity is assumed to be single-threaded. Customers are recommended to use these with scheduled Crystal Reports instances, as concurrent on-demand reports will be handled serially.

Other connectivity are assumed to be multi-threaded and suitable to be used for both scheduled and on-demand Crystal Report instances as concurrent on-demand reports will be handled in parallel.

## OLAP Connectivity for Voyager

No platforms are supported.

## Support for SAP Application Servers

BusinessObjects XI Integration for SAP Solutions must be installed in order to use an SAP application server as a data source. For the latest information on SAP platforms required by BusinessObjects XI Integration for SAP Solutions, please visit the support area of the website: <https://www.sdn.sap.com/irj/sdn/businessobjects-articles>. The following list of products is applicable to SAP application server support:

- Crystal Reports (Relational)
- Dashboard Builder (OLAP)
- Live Office (OLAP and Relational)
- Web Intelligence (OLAP)
- QaaWS (OLAP) via Crystal XCelsius

## Reverse Proxy Servers

- Apache HTTP Servers 2.2
- WebSEAL 6.0 (from IBM Tivoli Access Manager)

## LDAP Directory

- IBM Tivoli Directory Server 5.2
- IBM Tivoli Directory Server 6.0
- IBM Tivoli Directory Server 6.1
- Lotus Domino Directory 6.0.2
- Lotus Domino Directory 6.5.3
- Microsoft Active Directory Application Mode 2003 (ADAM)
- Microsoft Active Directory Application Mode 2003 (ADAM) SP1
- Microsoft Active Directory Application Mode 2008 (ADAM)
- Novell eDirectory 8.7.3
- Novell eDirectory 8.8
- Oracle Internet Directory 10gR3 (10.1.3)
- Sun Java System Directory Server 5.2
- Sun Java System Directory Server Enterprise 6.0

## Access Management

- eTrust (Netegrity) Siteminder 6.0
- eTrust (Computer Associates) Siteminder 12.0

## File Transfer Protocol (FTP) Requirements

The following are the guidelines that must be supported by any FTP Server being used in conjunction with BusinessObjects Enterprise as a scheduling destination.

- FTP server needs to support using “./” as a directory
- FTP server needs to support specifying a directory with a trailing “/”
- FTP server needs to support filenames that are 20+ characters (if destination file names are generated randomly by BusinessObjects Enterprise.)
- FTP server needs to support specifying file names starting with a “~” character (if destination file names are generated randomly by BusinessObjects Enterprise.)

## Finding More Information

For more information and resources, refer to the product documentation and visit the support area of the web site at: <http://help.sap.com>.

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