

Oracle® Product Data Quality

Hardware and Software Specification

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Preface

The purpose of this document is to define the Oracle DataLens Server and client systems software and hardware specifications necessary for the Oracle Product Data Quality software.

Audience

A thorough understanding of the material in this guide is required for the following customer personnel:

- System Owners
- IT Administrators

Related Documents

For more information, see the following documents in the documentation set:

- The *Oracle Product Data Quality COM Interface Guide* provides information about installing and using the Oracle DataLens Server COM APIs.
- The *Oracle Product Data Quality Java Interface Guide* provides information about installing and using the Oracle DataLens Server Java APIs.
- The *Oracle Product Data Quality Oracle DataLens Server Administration Guide* provides information about installing and managing an Oracle DataLens Server.
- The *Oracle Product Data Quality Application Studio Reference Guide* provides information about creating and maintaining Data Service Applications (DSAs).
- The *Oracle Product Data Quality AutoBuild Reference Guide* provides information about creating initial data lens based on existing product information and data lens knowledge.
- The *Oracle Product Data Quality Knowledge Studio Reference Guide* provides information about creating and maintaining data lenses.
- The *Oracle Product Data Quality Glossary* provides definitions to commonly used Oracle Product Data Quality technology terms.
- The *Oracle Product Data Quality Services for Excel Reference Guide* provides information about creating a DSA based on data contained in a Microsoft Excel spreadsheet.
- The *Oracle Product Data Quality Task Manager Reference Guide* provides information about managing tasks created with the Task Manager or Governance Studio applications.

See the latest version of this and all documents listed at the Oracle Product Data Quality Documentation Web site at:

http://download.oracle.com/docs/cd/E17135_01/index.htm

Conventions

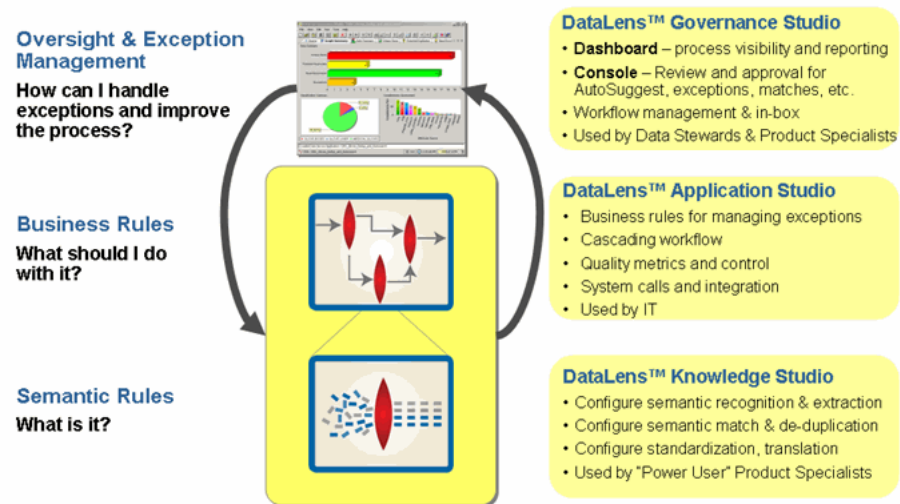
The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
<code>monospace</code>	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, text that you enter, or a file, directory, or path name.
<code>monospace</code>	Boldface, monospace type indicates commands or text that you enter.

Overview

Oracle DataLens Server is built on industry-leading DataLens™ Technology to standardize, match, enrich, and correct product data from different sources and systems. The core DataLens Technology uses patented semantic technology designed from the ground up to tackle the extreme variability typical of product data.

Oracle Product Data Quality uses three core DataLens Technology modules: Governance Studio, Knowledge Studio, and Application Studio. The following figure illustrates the process flow of these modules.



The following chapters contain the recommended Oracle Product Data Quality Oracle DataLens Server system configurations.

Server Specifications

Oracle DataLens Server Minimum Software Requirements

You must ensure that the following Oracle DataLens Server minimum hardware and software requirements are observed. These requirements represent the certified and supported server configurations.

- **Hardware**
 - 4 Cores, 2.8-3.0 GHz each (2.8 GHz minimum speed)
 - 4 GB RAM per core
 - Standard hard drive, 100 GB free
 - Network connectivity
- **Operating System**
 - Windows Server 2003 64-bit with SP2
 - Windows Server 2008 64-bit with SP1
 - Linux Red Hat Enterprise 4.0 Update 7 or greater (64-bit)
 - Linux Red Hat Enterprise 5.0 Update 3 or greater (64-bit)
- **Java Development Kit**
 - Java Development Kit (JDK) 6 Update 18 (1.6.0_18)
- **Application Servers**
 - Apache Tomcat version 6.0.18
 - Oracle WebLogic Suite 10g (10.3) and 11g (10.3.1 or 10.3.2)

Note: The system has been certified with the preceding software versions. For an updated list of certified platforms and versions for this product prior to installation, refer to the Oracle Product Data Quality Certification Matrix at:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>

Locate and select the **Oracle Product Data Quality Server System Requirements and Supported Platforms** option.

Oracle DataLens Server Minimum Hardware Requirements

The following sections describe example configurations of Oracle DataLens Servers. Oracle recommends that you contact Oracle Consulting Services for assistance in identifying the optimum configuration to support your requirements.

Entry Level System Configuration

One Administration/Development Server (1)

Administration/Development Server with 4 Cores / 16 GB RAM

One Server Group with One Production Server (1)

Production Server with 4 Cores / 16 GB RAM

Oracle recommends that customers proceed with a multi-tiered server configuration of one Administrative Server and one Production Server. The Production Server is recommended to be a four core box.

Mid-Level System Configuration

One Administration/Development Server (1)

Administration/Development Server with 8 Cores / 32 GB RAM

One Server Group with One Production Server (1)

Production Server each with 8 Cores / 32 GB RAM

Oracle recommends that customers proceed with a multi-tiered server configuration of one Administrative Server and one Production Server. The Production Server is recommended to be an eight core box.

Enterprise System: Production Configuration

One Administration/Development Server (1)

Administration Server with 8 Cores / 32 GB RAM

One Quality Assurance Server (1)

Quality Assurance Server with 8 Cores / 32 GB RAM

One Server Group with Two Production Servers (2)

Production Servers each with 8 Cores / 32 GB RAM

Oracle recommends that Enterprise Customers proceed with a multi-tiered server environment consisting of one Administration Server, one Quality Assurance Server, and two Production Servers. The Production Servers are recommended to be eight core boxes and will be configured to share processes (multi-threading) with load balancing.

Client Specifications

Oracle Product Data Quality Minimum Client Hardware and Software Requirements

You must ensure that the following Oracle Product Data Quality minimum client system hardware and software requirements are observed. These requirements represent the certified and supported server configurations.

- **Hardware**
 - Intel Pentium IV or newer
 - 2.8 - 3.0 GHz (recommended)
 - 1 GB RAM
 - Hard Drive - 1 GB free
 - Network connectivity
- **32-bit Operating System**
 - Windows XP SP2 or newer
 - Windows Vista
 - Windows 7
- **64-bit Operating System**
 - Windows Vista
 - Windows 7
- **Java Runtime Environment**
 - Java Runtime Environment (JRE) 6 Update 18 (1.6.0_18)
- **Internet Browser**
 - Microsoft Internet Explorer 6 or newer

Note: The system has been certified with the preceding software versions. For an updated list of certified platforms and versions for this product prior to installation, refer to the Oracle Product Data Quality Certification Matrix at:

<http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>

Locate and select the Oracle Product Data Quality Server System Requirements and Supported Platforms option.
