Oracle® Enterprise Data Quality for Product Data

Hardware and Software Specification

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Oracle Enterprise Data Quality for Product Data Hardware and Software Specification Release 5.6.2

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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 Enterprise Data Quality for Product Data software.

Audience

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

- System Owners
- IT Administrators

Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

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Related Documents

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

- The *Oracle Enterprise Data Quality for Product Data COM Interface Guide* provides information about installing and using the Oracle DataLens Server COM APIs.
- The *Oracle Enterprise Data Quality for Product Data Java Interface Guide* provides information about installing and using the Oracle DataLens Server Java APIs.
- The *Oracle Enterprise Data Quality for Product Data Oracle DataLens Server Administration Guide* provides information about installing and managing an Oracle DataLens Server.
- The *Oracle Enterprise Data Quality for Product Data Application Studio Reference Guide* provides information about creating and maintaining Data Service Applications (DSAs).

- The *Oracle Enterprise Data Quality for Product Data AutoBuild Reference Guide* provides information about creating initial data lens based on existing product information and data lens knowledge.
- The *Oracle Enterprise Data Quality for Product Data Knowledge Studio Reference Guide* provides information about creating and maintaining data lenses.
- The *Oracle Enterprise Data Quality for Product Data Glossary* provides definitions to commonly used Enterprise DQ for Product technology terms.
- The *Oracle Enterprise Data Quality for Product Data Services for Excel Reference Guide* provides information about creating a DSA based on data contained in a Microsoft Excel spreadsheet.
- The *Oracle Enterprise Data Quality for Product Data 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 Enterprise Data Quality for Product Data Documentation Web site at:

`http://download.oracle.com/docs/cd/E20593_01/index.htm`

Conventions

The following text conventions are used in this document:

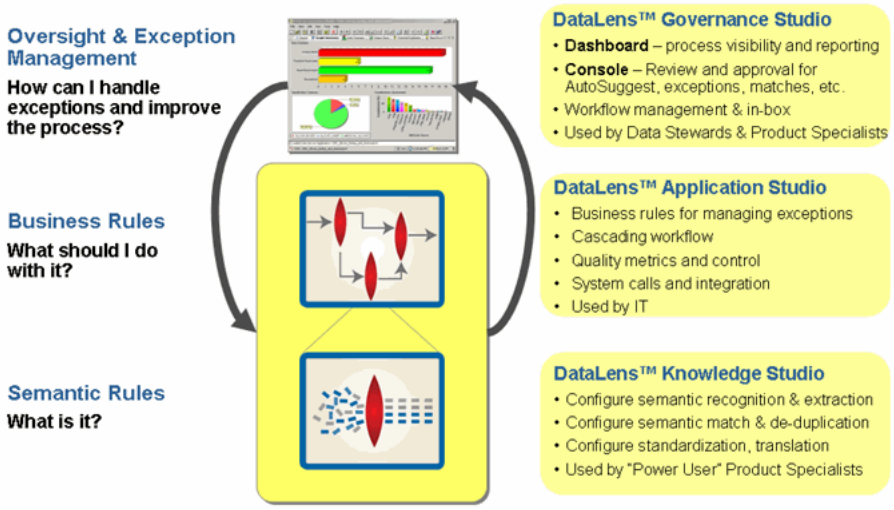
Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
`monospace`	Monospace type indicates 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.
`monospace`	Boldface, monospace type indicates commands or text that you enter.

1

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 Enterprise Data Quality for Product Data, formerly known as 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 Enterprise DQ for Product (EDQP) Oracle DataLens Server system configurations.

2

Server Specifications

This chapter describes the minimum software and hardware requirements for an Oracle DataLens Server.

Oracle DataLens Server Minimum Hardware and 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**
  - Oracle Enterprise Linux 4 Update 7 or greater, 64-bit
  - Oracle Enterprise Linux 5 Update 3 or greater, 64-bit
  - Oracle Enterprise Linux 6 64-bit
  - Oracle Solaris 10 (x86)
  - Red Hat Enterprise Linux 4.0 Update 7 or greater, 64-bit
  - Red Hat Enterprise Linux 5.0 Update 3 or greater, 64-bit
  - Windows Server 2003 SP2 or greater, 64-bit
  - Windows Server 2008 SP1 or greater, 64-bit
- **Application Servers**
  - Apache Tomcat version 6.0.29
    - Java Development Kit (JDK) 6 Update 21 (1.6.0_21)
  - Oracle WebLogic Suite 10g Release 3 (10.3) and 11g Release 1 (10.3.1, 10.3.2, 10.3.3, or 10.3.4)
    - Oracle JRockit JDK 28.1 64-Bit

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 Enterprise Data Quality for Product Data Certification Matrix at:

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

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

Oracle DataLens Server Example Hardware Configurations

The following sections describe example server configurations of Oracle DataLens Servers. Your environment may require additional cores to facilitate processing speed based on the number of clients accessing the servers, as well as, the number of DSA and data lens and frequency of checking them in and out.

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.

3

Client Specifications

This chapter describes the minimum software and hardware requirements needed to run the Enterprise DQ for Product client.

Enterprise DQ for Product Minimum Client Hardware and Software Requirements

You must ensure that the following Enterprise DQ for Product 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 21 (1.6.0_21)
- **Internet Browser**
  - Microsoft Internet Explorer 6 or newer
- Services for Excel Adapter
  - Microsoft Excel 2003, 2007, 2010

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 Enterprise Data Quality for Product Data Certification Matrix at:

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

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