

# Oracle® Product Data Quality

What's New in OPDQ

Releases 5.0, 5.1, 5.5.03, 5.5.03.02

September 2010

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Welcome to Oracle Product Data Quality (OPDQ). The following sections describe new and changed functionality in OPDQ releases 5.0 through 5.5.03.02.

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## Release 5.0 Features

The following sections outline the changed and new features in release 5.0 of OPDQ.

### Application Studio

This section describes changed features in Application Studio.

#### Automatic Match

The automatic matching functionality has been enhanced to improve product-specific matching capabilities as follows:

- Identity match provides clean-up for key-based matching.
- Semantic match extracts and standardizes for functional matching.

### Services for Excel

The AutoBuild functionality has been enhanced to allow you to leverage existing information to reverse engineer the semantic model from available meta data and sample data to improve initial data lens development time. These enhancements include the ability to:

- Leverage existing information for operation immediately upon installation
- Term variant creation to increase recognition immediately upon installation
- Greater flexibility to import meta data rules
- Default Match Types
- Incremental processing to refine existing data lenses

## Governance Studio

This section describes new features to Governance Studio.

### Governance Console

This release introduces the Governance Console feature to enable you to more effectively apply and maintain data governance standards.

Provides the ability to incorporate manual effort and ongoing learning into integrated process as follows:

- Item level validation, approval and edit
- Task-specific UIs for exception processing
  - Matching
  - Enrichment and correction
- Allows manual intervention while maintaining process integrity and efficiency

### Governance Dashboard

This release introduces the Governance Dashboard feature to enable you to more effectively apply and maintain data governance standards.

Provides process visibility and control to drive continuous improvement of the following:

- Aggregate quality and productivity metrics
- Data quality by source
- Process effectiveness
- Identifies source quality and process improvement opportunities

## Release 5.1 Features

The following sections outline the changed and new features in release 5.1 of OPDQ.

### Application Studio

This section describes changed and new features to Application Studio.

#### AutoAbbreviate

The AutoAbbreviate functionality has been changed to provide the ability to repurpose and republish data into any form. It includes the ability to progressively abbreviate descriptions to fit the fixed-line lengths often required by legacy and many Enterprise Resource Planning systems. This enables you to use a systematic process to create shortened descriptions.

#### Semantic Index

This release introduces the semantic index functionality. It enables highly-scalable semantic matching and de-duplication of unstructured, non-standard data. This task is often required in Product Information Management (PIM), master data management (MDM), and system consolidation situations.

Semantic indexing allows for faster and more scalable semantic matching.

## **Governance Studio**

This section describes changed and new features to Governance Studio.

### **AutoSuggest**

This release introduces the AutoSuggest functionality that provides system-based suggestions to expand recognition rules based on real operational data. Using inferences from the underlying semantic model, the AutoSuggest makes suggestions, that are used to enrich the model, so the system gets "smarter" through use thus allowing you to develop knowledge rapidly.

### **Knowledge Studio**

This release introduces the Prediction functionality to provide a design time version of AutoSuggest so that it is available to the data analysts using the Knowledge Studio. This changed feature allows you to develop knowledge rapidly

## **Release 5.5 Features**

The following sections outline the changed and new features in release 5.5 of OPDQ.

### **Application Studio**

This section describes changed and new features to Application Studio.

#### **Dynamic Match**

A new Semantic Index type was created to provide dynamic semantic matching:

- Eliminates index rebuild and the need for multiple semantic indexes if match rules change, as long as, the total set of attributes does not change.
- Allows you to experiment with matches.
- Dynamically operating algorithm that leverages multiple match types and weights in real time.

#### **Output Classifications**

This release introduces the ability to specify from one to multiple classifications from a single Item Definition Transformation, which simplifies processing.

#### **Workflow Enhancements**

This release introduces the ability to use dedicated secondary Data Service Applications (DSAs) for additional processing, which includes the following options:

- Apply DSA to process a set of rows.
- Re-Run DSA to re-process a set of rows.
- Completion DSA to complete a process and save the results.

## **Governance Studio**

This section describes changed and new features to Governance Studio.

### **Apply Augmentations**

The application of the rule changes from AutoSuggest to enrich the semantic model has been automated thus allowing you to develop knowledge rapidly.

### **Interface Enhancements**

The following features have been changed to enhance usability and data remediation processing:

- Field level edit restrictions
- List values
- Hidden columns
- Normalized view and output column renaming to simplify results
- Category filtering on all output to allow you to filter results by a category
- Messages
- Renaming output columns
- Project reuse through saving as a new project from an existing project

### **Survivorship and Merge**

This release introduces the capability to create blended rows with lineage for loading into an application (for example, an item master or Product Information Management (PIM)).

## **Release 5.5.03 Features**

The following sections outline the changed and new features in release 5.5.03 of OPDQ.

### **Application Studio**

This section describes new features in Application Studio.

#### **Ngram Processing and Quick Lookup DSA**

This release introduces a set of DSA widgets to create solutions that handle non-category specific global data for systems migration and consolidation as well as clean-up, match, merge and de-duplication. These features enable statistical (global)-based processing for faster development and when the high confidence match techniques are not appropriate:

- Confidence index provides scoring process that includes exact and fuzzy matches.
- Quick Lookup DSA shows the matches in the context of their original descriptions.

## **Release 5.5.03.02 Features**

The following sections outline the changed and new features in release 5.5.03.02 of OPDQ.

### **Application Studio**

This section describes changes to Application Studio.

## Step Description Truncation

The truncation of step descriptions occurs at run time to provide the first 255 characters of the description on the DSA Job Status page giving context for which DSA is running while simplifying the input to the internal database. The step descriptions are displayed in their entirety in the DSA so that you can create large descriptions for their step names and descriptions.

## Certification

The Db2 9.x as a valid data source in Application Studio is certified in this release.

## Governance Studio

This section describes changed and new features to Governance Studio.

## Graphing

The graphing capabilities have been enhanced to improve usability and performance.

## Results Persistence

This release introduces the ability to persist the results of an Apply secondary DSA, and then create a new Governance Studio project from those results, which improves usability and performance.

## Oracle DataLens Server

This release introduces the Job Continuation feature. This feature allows large batch jobs to continue to run, new API jobs to start and run even when Transform Servers lose connectivity with the internal database repository (the Oracle DataLens Administration Server is down).

An option to allow you to disable DSA processing on the Oracle DataLens Administration Server is introduced.

## Performance

Various memory and performance enhancements have been implemented.

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