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Oracle Enterprise Data Quality

Dashboard Essentials

Product Development

Introduction to the EDQ Dashboard

Zero training monitoring of data quality KPIs

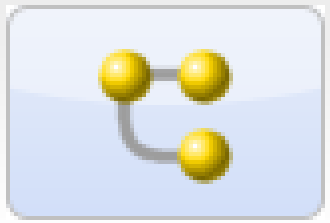
- The Dashboard in EDQ provides a view of published Data Quality Metrics, tailorable for each user
- It is designed to provide a zero training user experience, so that any stakeholder can access Data Key Performance Indicators (KPIs), bringing DQ initiatives out of the back office
- Results are presented in a simple traffic light format
- Results are trended so that metrics can be monitored over time to verify the return on investment in Data Quality improvement measures
- Results can be aggregated in a number of ways

Publication of results from EDQ

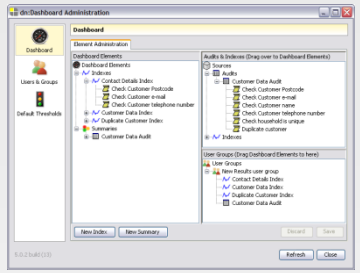
- **EDQ can publish the results of any ‘Check’ processor, and the ‘Parse’ processor, to the Dashboard**
- **These processors all classify data as good or bad (or occasionally indifferent), depending on their configuration**
- **The same results – and the data – can easily be published externally if more advanced reporting is required in a BI tool**

Metric Publication

EDQ can feed results and data to BI for more advanced reporting where needed

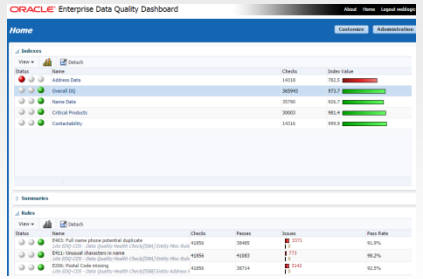


Validation metrics are published from EDQ Server

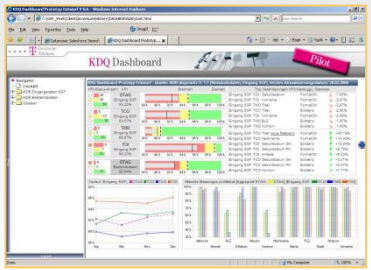


KPI Management

KPI Repository



EDQ Dashboard



External Presentation

Different Types of Result on the Dashboard

A weighted index score based on many indexes

Summaries

Status	Name	Rules	Red	Amber	Green
	Customer	4	0	0	4

A simple collection of rules

Indexes

Status	Name	Checks	Index Value
	Address Data	14318	782.5

A weighted index score based on many rules

Real-Time Aggregations

Status	Name	Checks	Passes	Issues	Pass Rate
	Address Capture	62	48	14 / 0	77.4%

Results of a real-time rule over a longer period, e.g. daily/weekly

Rules

Status	Name	Checks	Passes	Issues	Pass Rate
	E403: Full name phone potential duplicate *Lite EDQ-CDS - Data Quality Health Check/[E8A*	41856	38485	3371 / 0	91.9%

The results of a check on a job run, or over a real-time interval

Key

Aggregates, and drills down to...

Typical User Roles

- **Data Analysts** (Director users) define which results are published from DQ jobs, and the names of each publishing rule

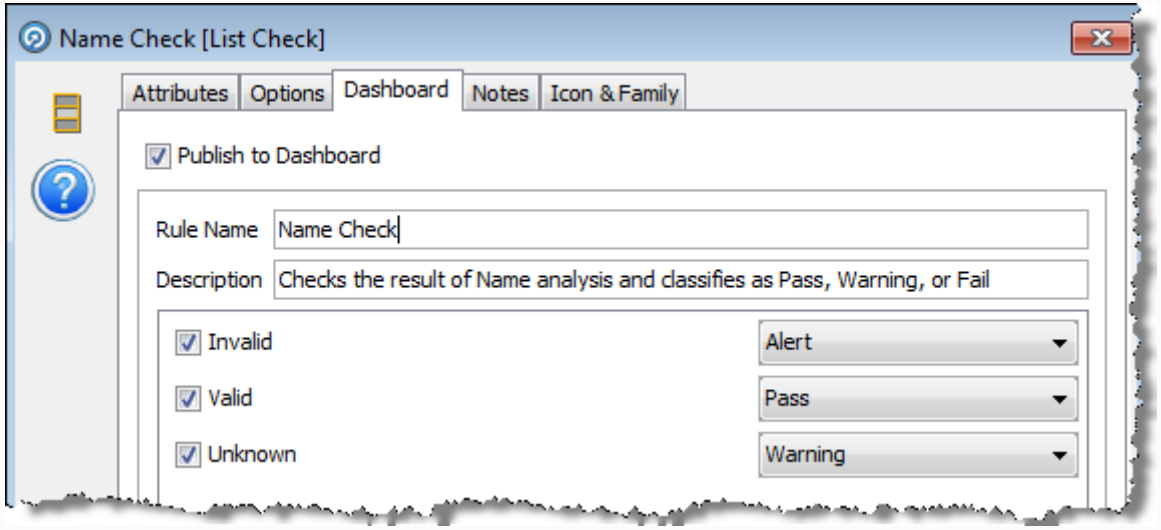
- **Executives** (Dashboard users) customize the Dashboard to choose which results to monitor

- **Administrators** (Dashboard Administration users) configure how results are aggregated and who can see what

How to publish results to the Dashboard in EDQ (1)

Process configuration

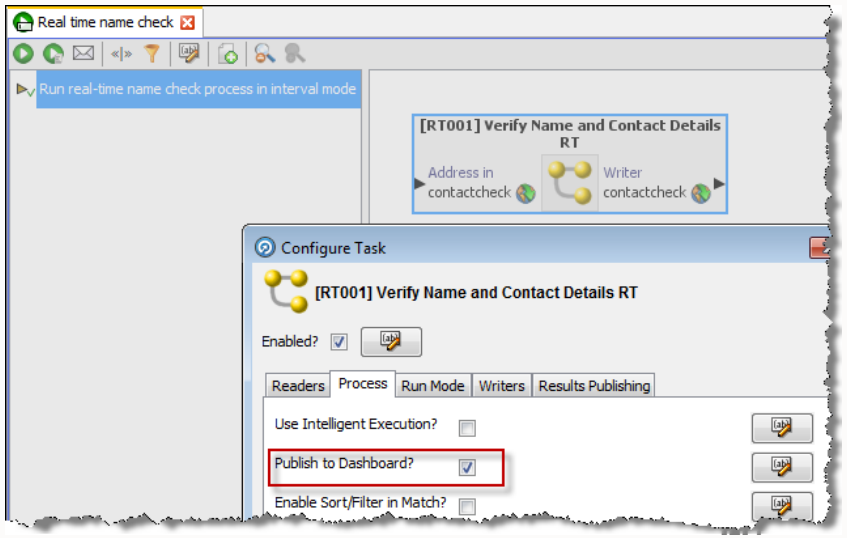
1. **Configure a Check or Parse processor to be able to publish its results, using the Dashboard tab**
2. **Enter a Rule Name for the results as they will appear on the Dashboard, and decide how to classify the check results:**



How to publish results to the Dashboard in EDQ (2)

Job configuration

3. **Configure the process task(s) in a job to enable the Publish to Dashboard option:**

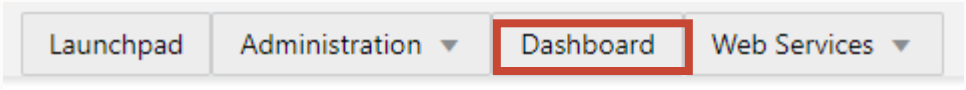


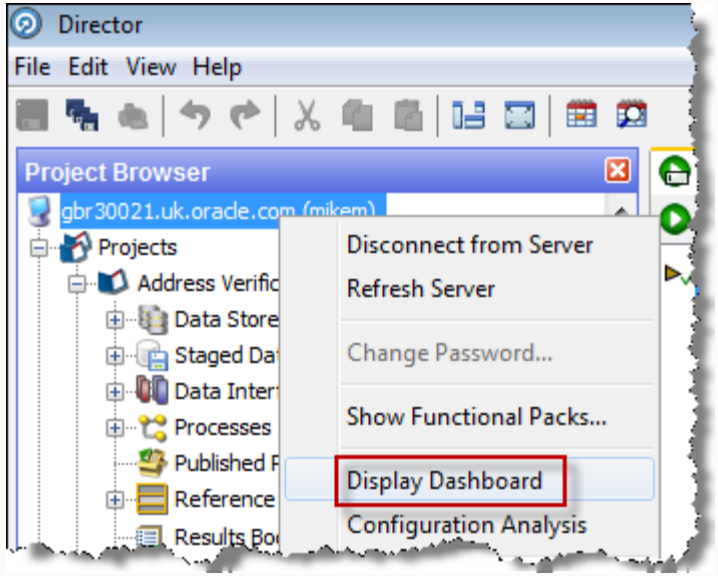
Note that the option to Publish to the Dashboard can be externalized and overridden at runtime using a command line option or Run Profile

4. **Run or schedule the job**

Viewing the Dashboard

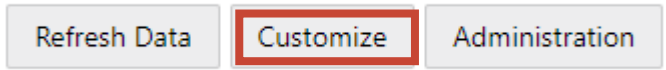
- **The EDQ Dashboard can be viewed from a URL (bookmark), from the EDQ Launchpad, or from the context menu of a server in Director**



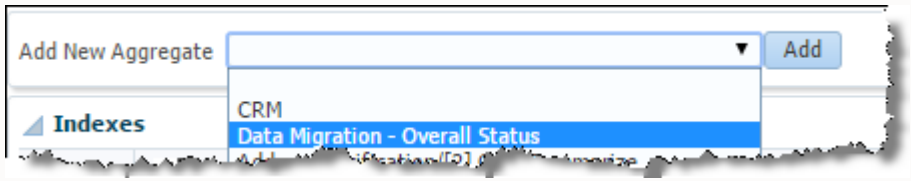


Choosing what to monitor on the Dashboard

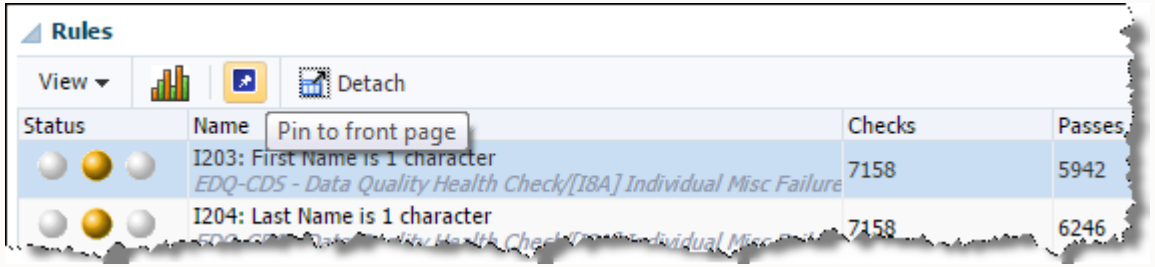
- **Users can easily change what they see on their Dashboards by clicking on the Customize button:**



- **It is then possible to add any available Aggregates (Indexes, Summaries, Real-Time Aggregations)…**

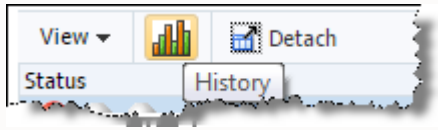


- **…and to monitor rules on the front page (rather than by drilling down from an Aggregate), by selecting and pinning the rule:**

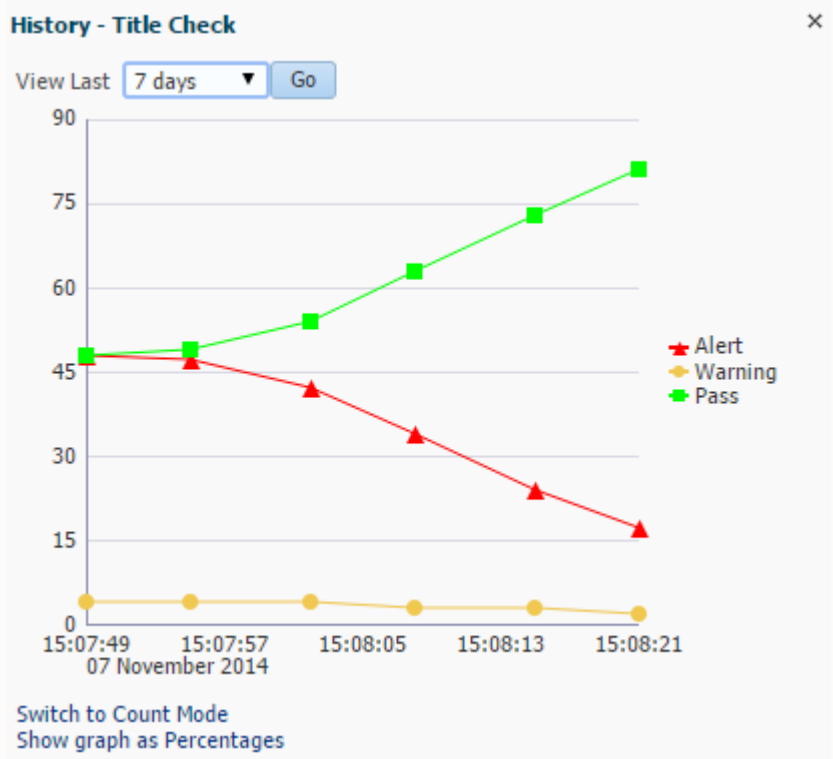


Viewing History

- **Indexes, Real-Time Aggregations and Rules all support History views. Select the element and click on the History icon:**

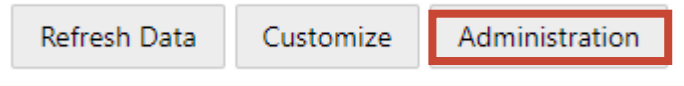


- **Indexes are analogous to stock market indexes; numeric values that go up and down.**
- **Real-Time Aggregations and Rules show the number or % of Passes, Warnings and Fails at each publication point**



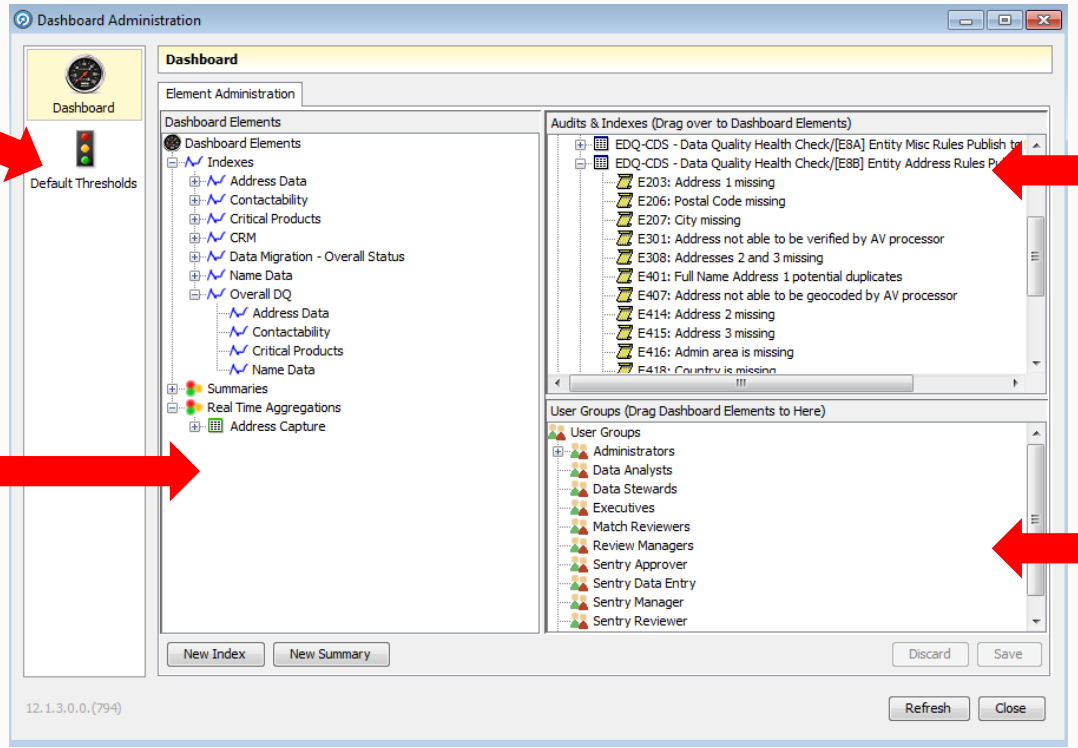
Dashboard Administration

- **Users with Dashboard Administration permission can configure the Dashboard by clicking on the Administration button:**



Default status thresholds (may be overridden on each element)

How to aggregate results



All published results. By default, the publishing process generates a Summary

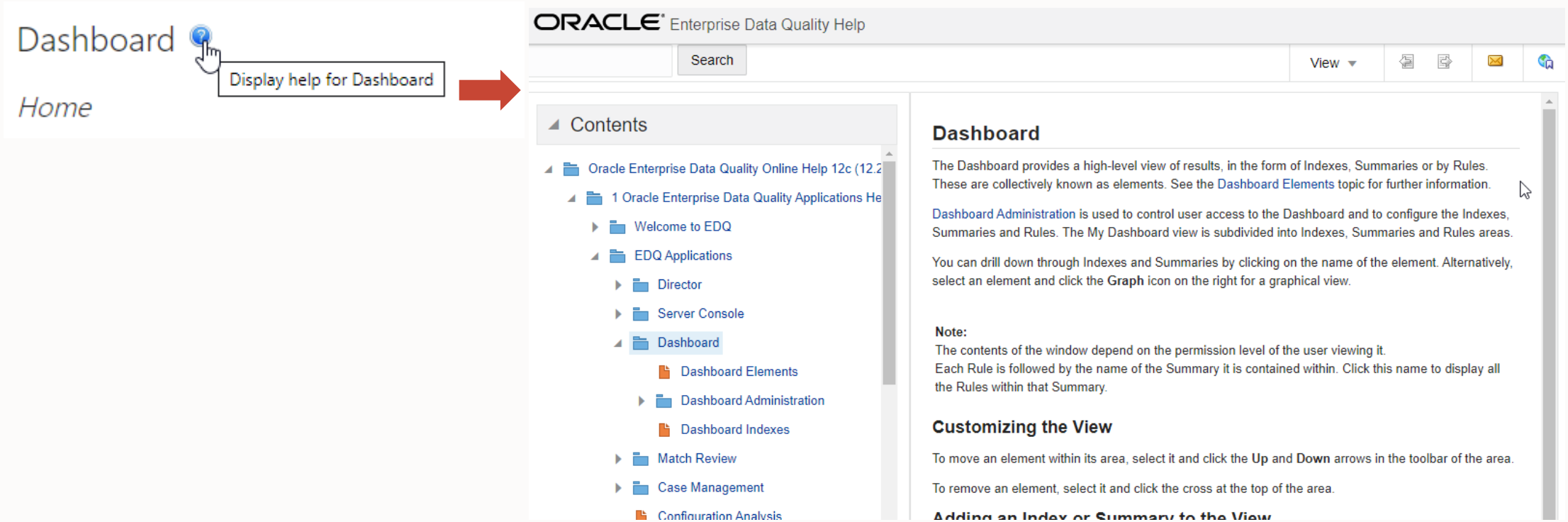
Define which user groups have access to results and their aggregations

The Customer Data Services DQ Health Check

- **The EDQ Customer Data Services (CDS) Pack provides a menu of out-of-the-box rules for checking the quality of party data (Customer, Contact, Account, Employee, Supplier, Address), which are pre-configured to publish their results to the Dashboard, and/or to external reporting tools**
- **See the Customer Data Services Pack DQ Health Check Guide for more information on the provided rules and publication to Dashboard**

More Information

- **For more information on the Dashboard, for example for details on how Index scores are calculated, see the Online Help for Dashboard:**



Our mission is to help people
see data in new ways, discover
insights, unlock endless possibilities.