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EDQ Dashboard Essentials

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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

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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

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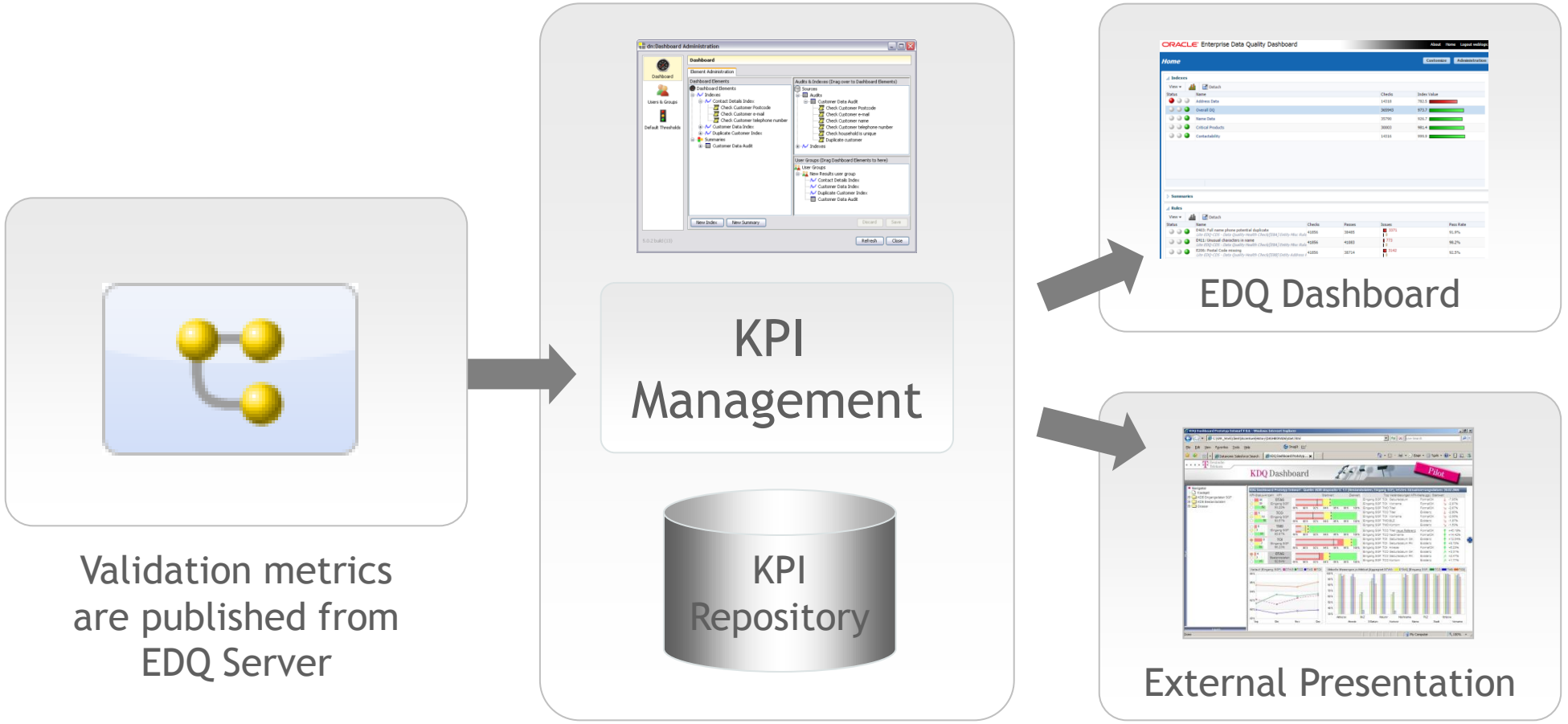
Metric Publication

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



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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

Aggregates, and drills down to...

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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

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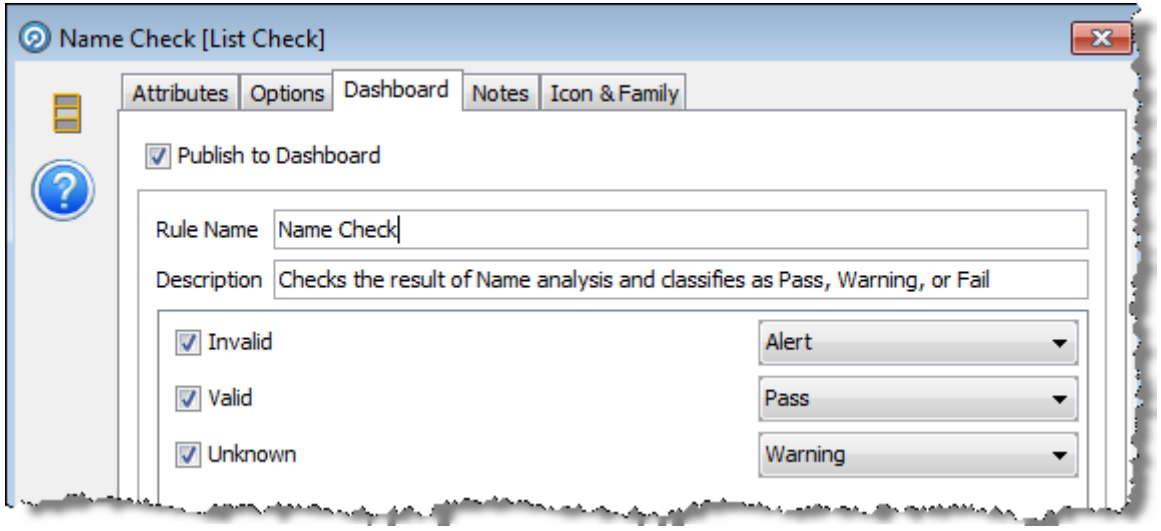
How to publish results to the Dashboard in EDQ (1)

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:



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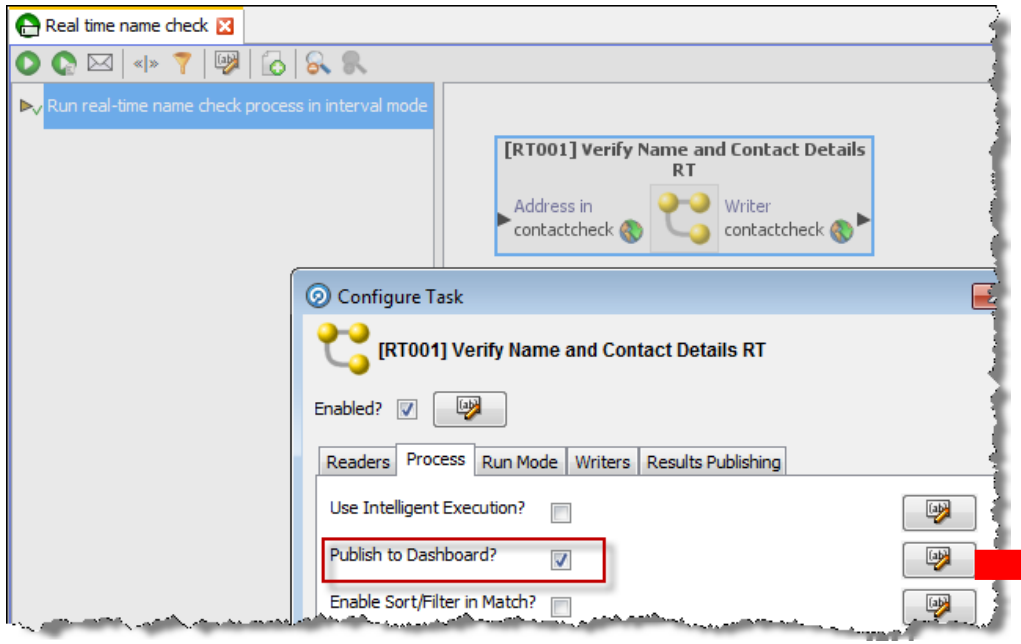
How to publish results to the Dashboard in EDQ (2)

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

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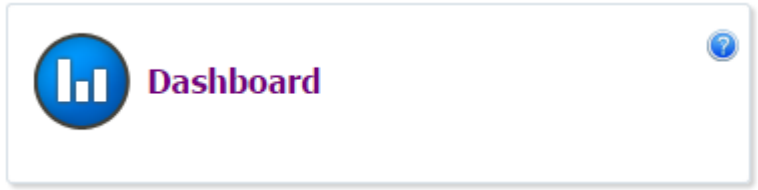
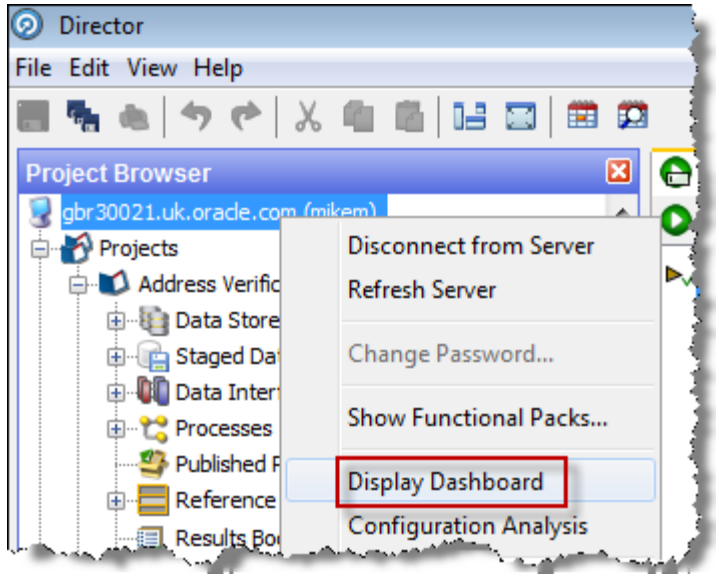
Viewing the Dashboard

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

http://*servername*:*port*/edq/faces/dashboard/dashview





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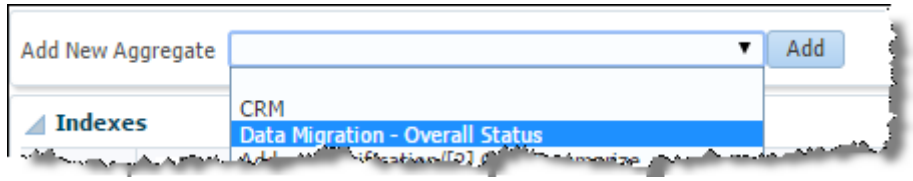
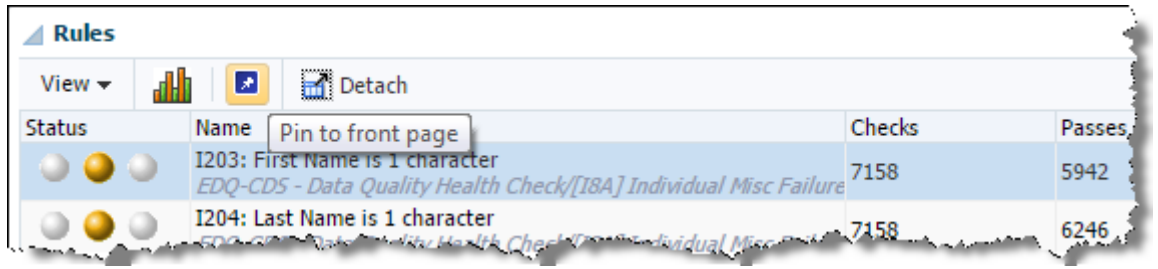
Choosing what to monitor on the Dashboard

- 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:



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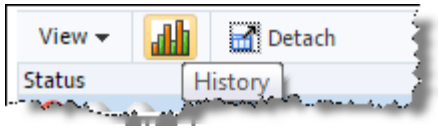
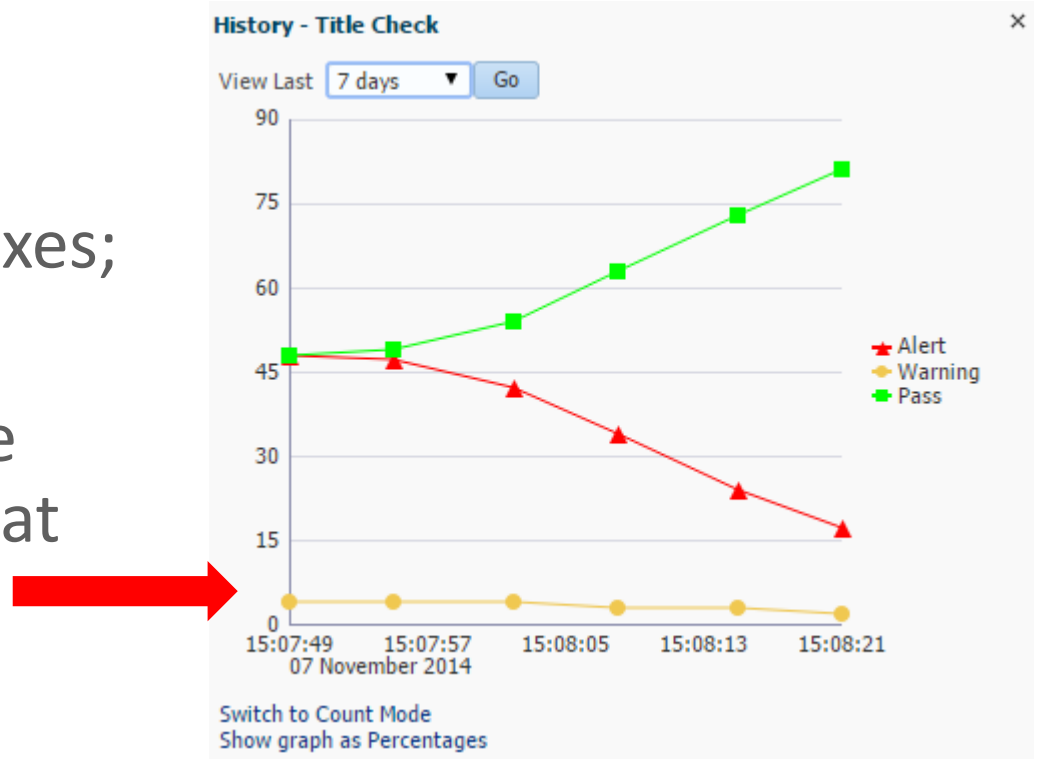
Viewing History

- 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



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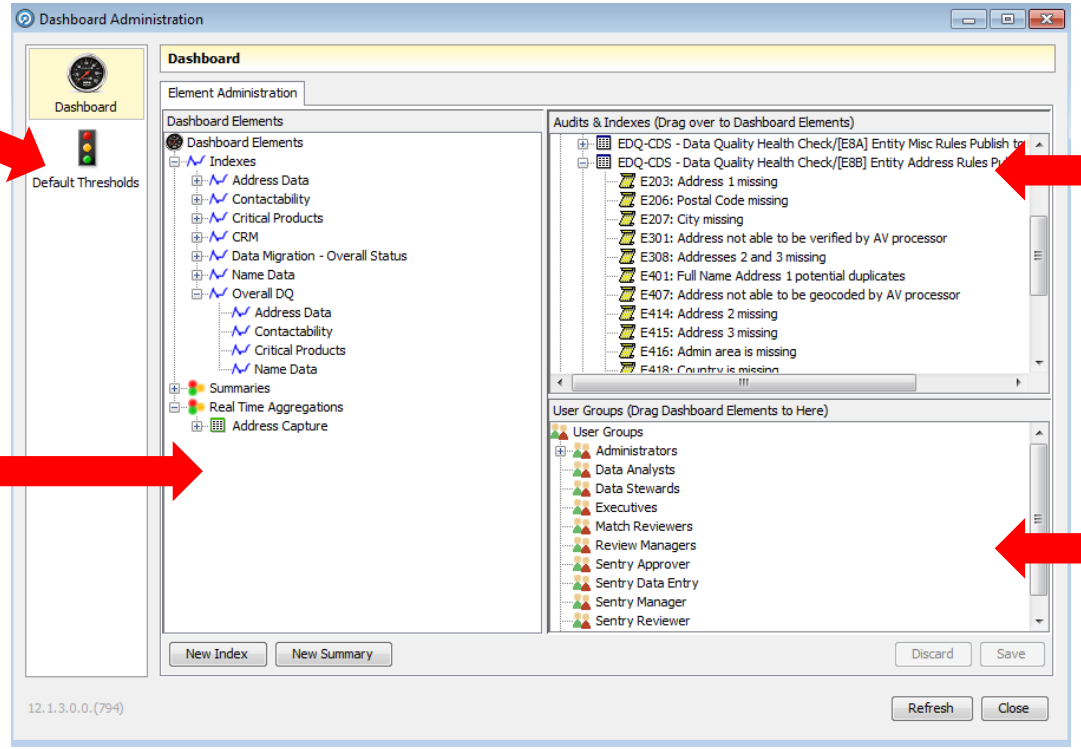
Dashboard Administration

- 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

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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: http://docs.oracle.com/cd/E48549_01/doc.11117/e40735/toc.htm

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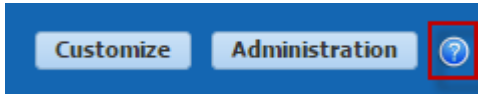
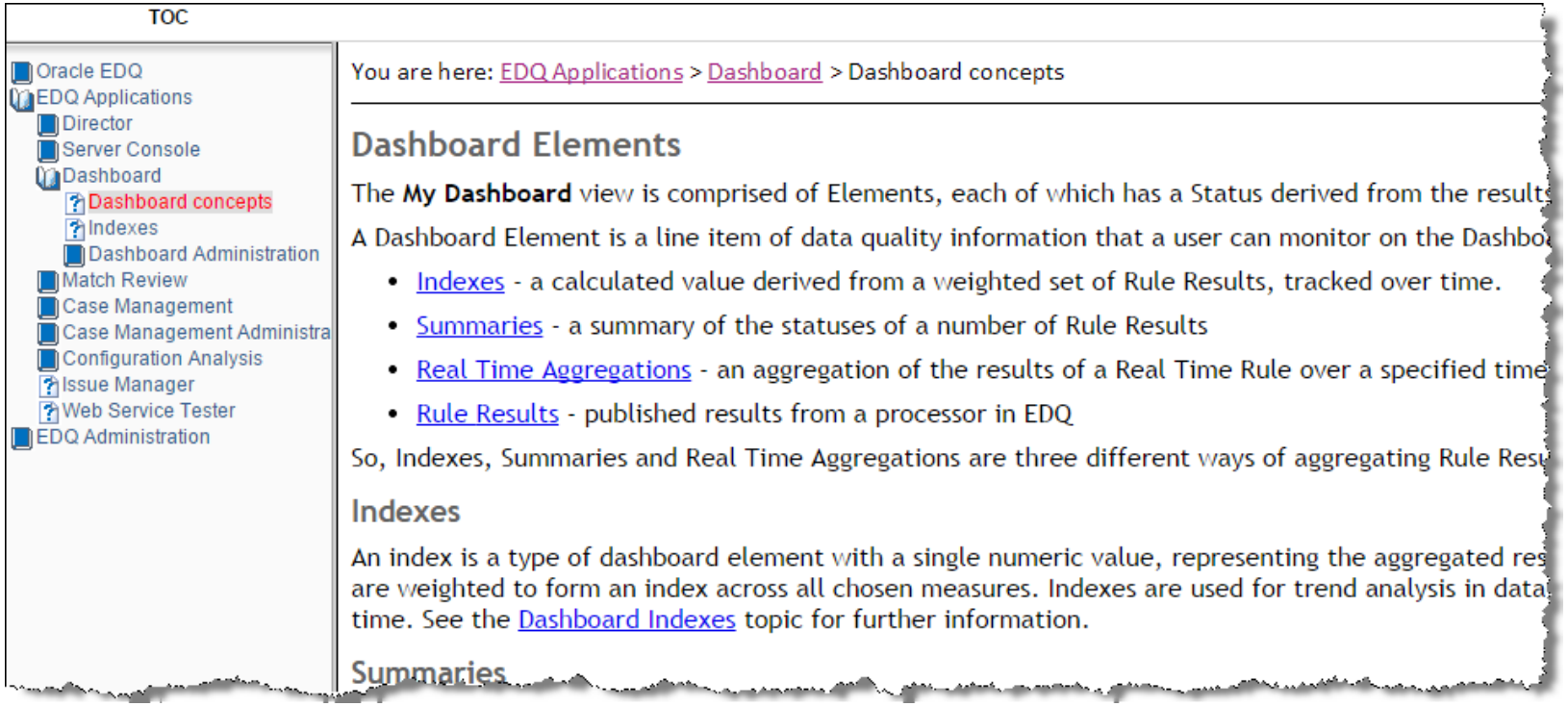
More Information

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





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