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This document drafts how Amundsen backend will build dashboard metadata and serve.

[Build Dashboard metadata](#)

[Serve Dashboard metadata](#)

[Search Dashboard metadata](#)

[Dashboard requirements](#)

[Search page](#)

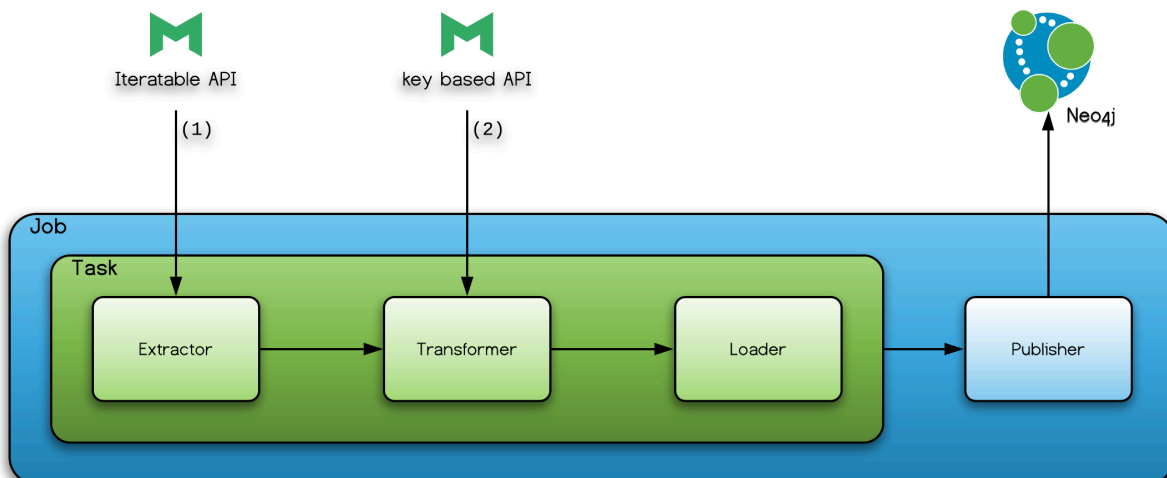
[Search results](#)

[Detail page](#)

[Search ranking](#)

Build Dashboard metadata

Amundsen will use Databuilder to build the graph. Although, our first use case is Mode Analytics, but it is not limited to Mode Analytics as its connection point will be abstracted out and integrated with interface.



Serve Dashboard metadata

Like all other metadata, Amundsen metadata service will serve Dashboard metadata via RESTful API.

- GET Dashboard API
- GET Dashboard tag API
- PUT Follow Dashboard API
- PUT OWN Dashboard API

Search Dashboard

Like other resource, dashboard will have its own index and existing search service will serve search request against dashboard index via RESTful API

- GET Dashboard API

Dashboard requirements

Search page

User will search with their search term as usual and Amundsen will provide the search results into the tabs separated by data resource type (table, people, dashboard).

Search results

The information we display in the result context - title (no visual), name of top 3-5 tables, last time it ran and if it was successful last run was successful!

If dashboards are being searched, we should show a list of relevant dashboards. The information we use to determine a match will include:

Report title (ignore defaults like "Untitled report")

Report description

Names of queries, if named

Chart names, if named

Metrics being emitted from the report

Detail page

Screenshot of the report, if available (Stretch)

Title and the space. The space is clickable and brings to the space page in Mode

Description (allow descriptions to be edited and be in sync with the backend BI tool)

Date the dashboard was created

Date the dashboard was last edited

Date the dashboard was last run, and if last run was a success or a failure.

Owner(s). This is pulled from the "collaborators" in Mode. Right now, we don't enable editing of that in Mode

Author along with author's team and author's title - only 1 is ever possible.

Frequent users (similar to tables), along with their role/department

Names of charts in the report, if available

Names of queries in the report, if named

List of top tables in the dashboard (top 5 tables, ideally "top" determined by table query usage) - hyperlink to table page in Amundsen, where applicable

Unique viewers - number - Optional/no

Search ranking

Dashboard results will be ranked based on:

Views over last 30 days

Unique viewers over last 30 days

Runs (not including scheduled runs) over last 30 days

Unique runners (not including scheduled runs) over last 30 days