

Northwind Traders Demo

Collections, Query Workers, Streams and Search View

Prerequisites

1. Create a free [Macrometa account](#).
2. You will have to have Node.js 18 (or later) installed in your system.
3. Run the following command in your CLI to check your Node.js version: `node -v`

Run locally

1. Open a CLI and run the command below to clone this repository. You can do:

```
git clone https://github.com/Macrometacorp/demo-northwind-traders.git
```

or

```
git clone git@github.com:Macrometacorp/demo-northwind-traders.git
```

depending on your GitHub authentication method.

2. Change directory to your selected project with:

```
cd demo-northwind-traders/code/1-starting-project
```
3. Create a new `.env.local` file and add your environment variables on your selected path. Here is how `.env.local` file should look like:

```
REACT_APP_BASE_URL=https://play.paas.macrometa.io/  
REACT_APP_FABRIC_NAME=<your-fabric-name>  
REACT_APP_API_KEY=<your-api-key>
```

Run locally


1. Install the project dependencies with:
`npm install`
2. Run command in CLI:
`npm run start`
3. In your preferred browser you can open <http://localhost:3000>.

Collections

How to import data to collection?

Create collection

1. Create a new document collection called **products** on the platform.
A collection is a group of documents with a unique name and identifier.
For the products, you will create a document collection that contains product information.
 - On the side menu, click **Collections**.
 - Click **New Collection**.
 - Click **Document Store**.
 - In Collection Name, enter **products**.
 - Click **Create**.

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Dashboard

Collections

Graphs

Search Views

Functions

Collections

cat

COLLECTION NAME

categories

1 Results

New Collection

New Document Collection

Collection Name: *

products

Geo Distribution:

Global

Local

Enable Collection Stream:


☐

Close

Create

Import Data to Collection

1. Import the data from the `products.json` file into the products collection.
 - On the side menu, click [Collections](#).
 - Select `products` collection.
 - Click [Import documents from JSON file](#).
 - Click [Choose file](#).
 - Select the `products.json` file.
 - Before you confirm make sure you select `ProductID` as the key
 - Click [Import](#).

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Dashboard

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Collections > products

New Document

Documentation

Data

Indexes

Settings

Enable Stream

Choose file

products.json

Select primary key

ProductID

Replace docs

Import Documents

_KEY	CONTENT
0 doc(s)	

0-0 of 0

<<

<

>

>>

Query workers


How to import predefined query workers?

Adding Query Workers

1. On the side menu, click [Query Workers](#).
2. Select [Query Workers](#) tab.
3. Click [Chose file](#).
4. Select the [ImportQueryWorkers.json](#) file.
5. Click [Import](#).

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 Dashboard Collections Graphs Search Views Functions Query Workers Streams Stream Workers

Editor

Query Workers

Runni

Name


test_play

get-orders

get-employees

get-products

get-supplier-info

 Import Queries Export

Import custom queries



Format:

JSON documents embedded into a list:

```
[{
  name: 'QueryName',
  value: 'Query Definition',
  parameter: 'Query Bind Parame
ter
  as Object',
}]
```

Query name must consist of the letters a-z (lower or upper case), the digits 0-9 or any of the following punctuation characters: _ - . : @ () + , = ; \$! * ' %.

File:

Choose file

ImportQueryWorkers.json

Close

Import

Stream

How to enable stream on the collection?

Enabling stream on collection

At Macrometa every collection is a stream and every stream is a collection.

To enable stream on the collection, you can use the Macrometa console:

1. On the side menu, click Collections.
2. Select products collection.
3. Click Enable Stream button.

Enabling Search


How to create a search view?

Create Search View

1. On the side menu, click [Search Views](#).
2. Click [New View](#) on top of the screen.
3. Type in the name of the view in the [Name](#) field.
4. Select [products](#) collection in the [Collection](#) field.
5. Select the data (collection field name) you want to search in the [Field](#) field.
6. Select the [analyzer](#) you want to use in the [Analyzer](#) field.
7. Click [Create](#) button.

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 Dashboard


 Collections


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 Functions


 Query Workers

 Streams

 Stream Workers

 Geo Fabrics

 Account

 Search...

NAME

customers_search_view

products_search_view

2 Results

Create New View



Name: *

products_search_view

Type:

Search

Mapping Definition 

COLLECTION

FIELD

ANALYZER

products



ProductName

text_en



Primary Sort 

FIELD

DIRECTION



Close

Create