

Actividad MongoDB - Pentaho

Mario Alberto Castañeda Martínez - A01640152

Luis Manuel Orozco Yáñez - A01707822

Fernando Ojeda Marín - A01639252

Víctor Hugo Arreola Elenes - A01635682

Base de Datos de DENUE en MongoDB:

The screenshot displays the MongoDB ClusterO web interface. At the top, the breadcrumb navigation shows 'MARIO ALBERTO'S ORG - 2023-10-09 > PROJECT 0 > DATABASES'. The interface includes a sidebar on the left with a '+ Create Database' button and a search bar for namespaces. Below the search bar, a tree view shows the 'educacion' database expanded, revealing the 'denue' collection. The main panel is titled 'educacion.denue' and provides summary statistics: 'STORAGE SIZE: 92.34MB', 'LOGICAL DATA SIZE: 278.68MB', 'TOTAL DOCUMENTS: 378439', and 'INDEXES TOTAL SIZE: 11.08MB'. A toolbar offers options like 'Find', 'Indexes', 'Schema Anti-Patterns', 'Aggregation', and 'Search Indexes'. An 'INSERT DOCUMENT' button is located in the top right of the main panel. A query filter bar is present with the text 'Type a query: { field: 'value' }' and buttons for 'Reset', 'Apply', and 'More Options'. The main content area displays a single document in JSON format, showing fields such as '_id', 'id', 'clee', 'nom_estab', 'raz_social', 'codigo_act', 'nombre_act', 'per_ocu', 'tipo_vial', 'nom_vial', 'tipo_v_e_1', 'nom_v_e_1', 'tipo_v_e_2', 'nom_v_e_2', 'tipo_v_e_3', 'nom_v_e_3', and 'numero_ext'.

```
{
  "_id": ObjectId('6524a7ec34fc2821e5cc1be6'),
  "id": 8624398,
  "clee": "1412011251200002200000000003",
  "nom_estab": "ACUACULTORES LOS CASTRO S.C. DE R.L. DE C.V.",
  "raz_social": "ACUACULTORES LOS CASTRO SC DE RL DE CV",
  "codigo_act": 112512,
  "nombre_act": "Piscicultura y otra acuicultura, excepto camaricultura",
  "per_ocu": "0 a 5 personas",
  "tipo_vial": "CIRCUITO",
  "nom_vial": "DE LAS CACAS",
  "tipo_v_e_1": "CALLE",
  "nom_v_e_1": "MOLINOS DEL VALLE",
  "tipo_v_e_2": "CALLE",
  "nom_v_e_2": "AV DE LA MANCHA",
  "tipo_v_e_3": "CALLE",
  "nom_v_e_3": "SIN REFERENCIA",
  "numero_ext": 71
}
```

Muestra de cómo resultó la transformación en Pentaho:

Welcome!denue_mongodbDENUE

100%

MongoDB input

Filter rows

Strings cut

Add constants

Filter act - sian

Sort rows codigo act

count by act code

write counts

Execution Results

LoggingExecution HistoryStep MetricsPerformance GraphMetricsPreview data

First rowsLast rowsOff

#	codigo_act	fecha_alta_cut	activity_count
1	522110	2014	1
2	522110	2018	2
3	522110	2019	1
4	522110	2020	3
5	713120	2014	1
6	713120	2019	7
7	811219	2014	1
8	811219	2019	3
9	811410	2010	1
10	811410	2019	5