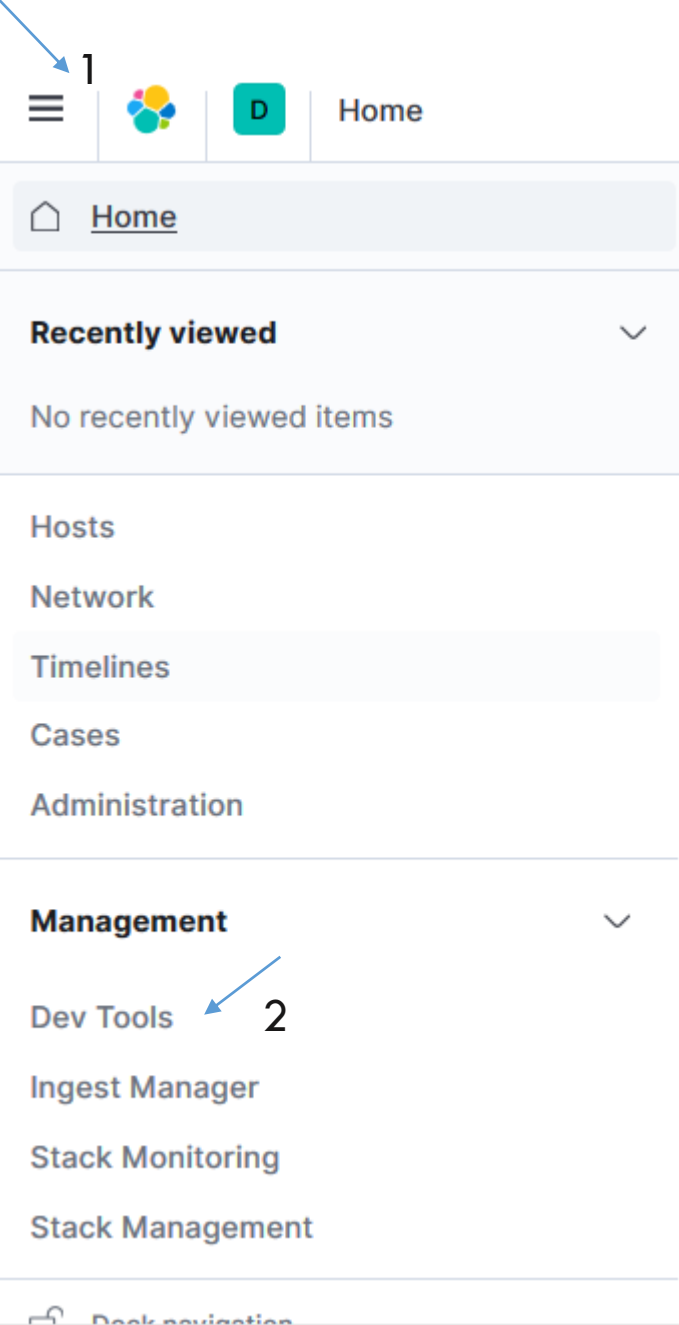


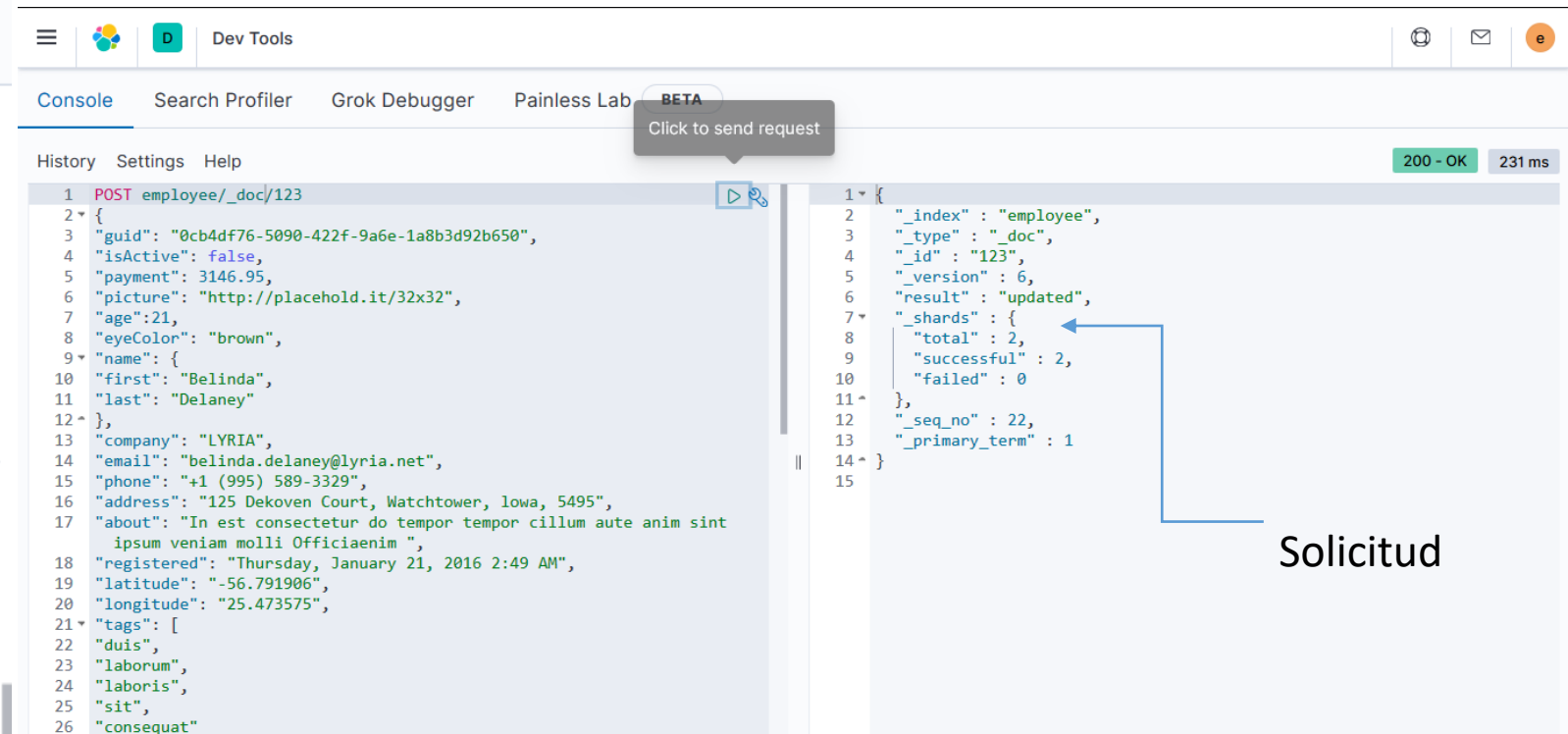


elastic

Creación INDEX mediante JSON
Elaboración de Dashboard

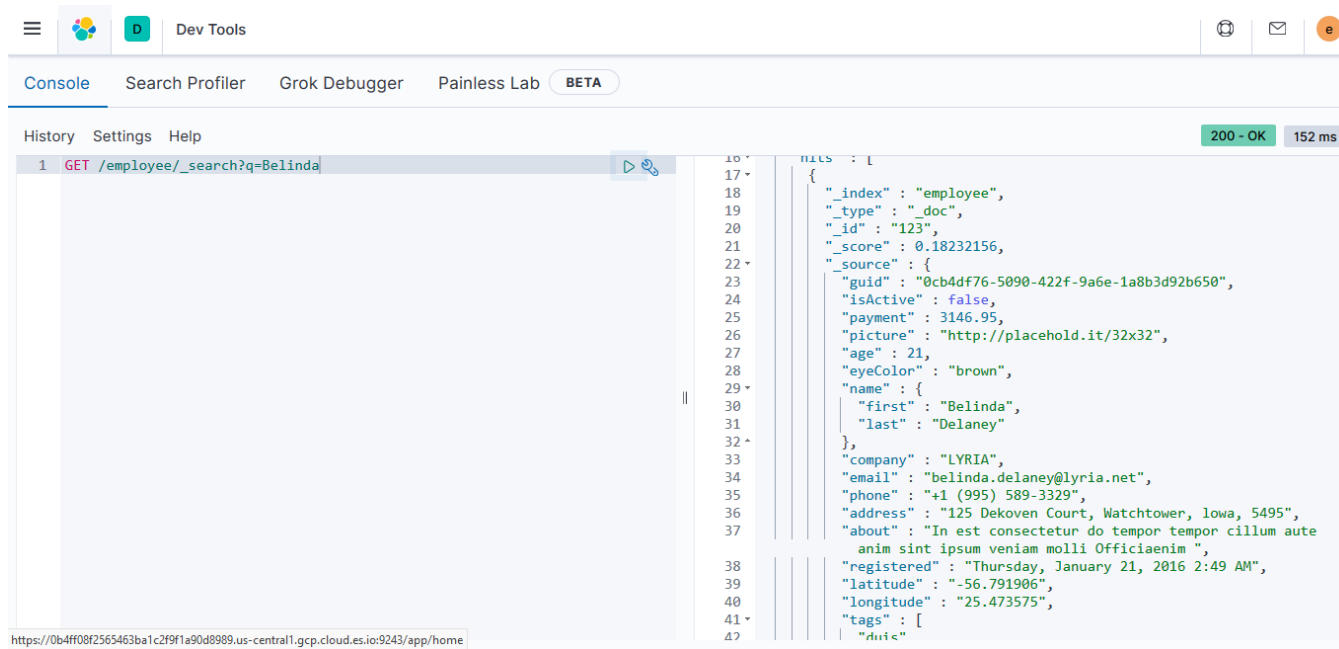


- 1.- Pagina de Inicio ir a menú desplegable
- 2.-Dirigirnos a Management seleccionar Dev Tools.



Creando de el lado izq. codificador comenzando a indexar clientes, de el lado derecho mostrando el resultado otorgando un ID “1 23” ó bien se puede generar uno automático





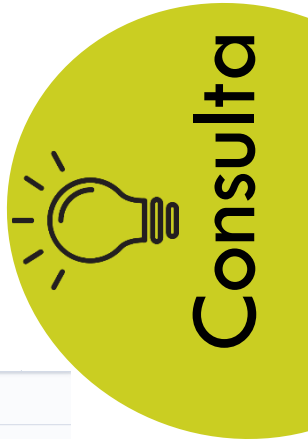
Console Search Profiler Grok Debugger Painless Lab BETA

History Settings Help

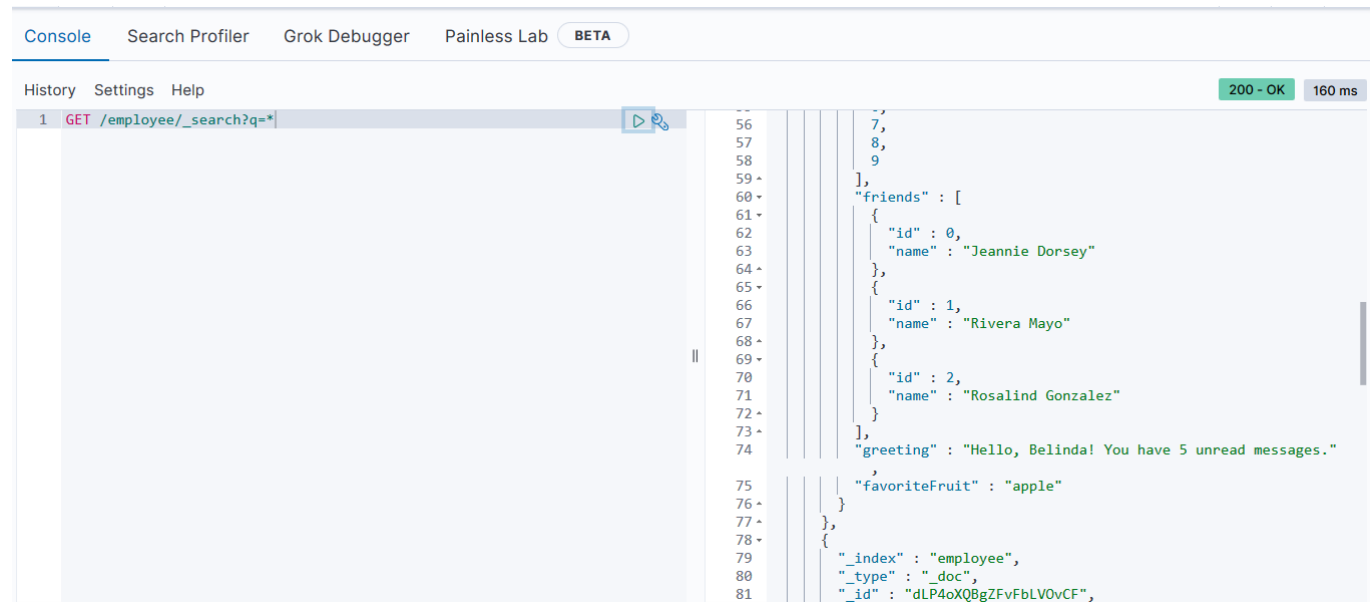
1 GET /employee/_search?q=Belinda

```
16 | null : {
17 |   {
18 |     "_index" : "employee",
19 |     "_type" : "_doc",
20 |     "_id" : "123",
21 |     "_score" : 0.18232156,
22 |     "_source" : {
23 |       "guid" : "0cb4df76-5090-422f-9a6e-1a8b3d92b650",
24 |       "isActive" : false,
25 |       "payment" : 3146.95,
26 |       "picture" : "http://placeholder.it/32x32",
27 |       "age" : 21,
28 |       "eyeColor" : "brown",
29 |       "name" : {
30 |         "first" : "Belinda",
31 |         "last" : "Delaney"
32 |       },
33 |       "company" : "LYRIA",
34 |       "email" : "belinda.delaney@lyria.net",
35 |       "phone" : "+1 (995) 589-3329",
36 |       "address" : "125 Dekoven Court, Watchtower, Iowa, 5495",
37 |       "about" : "In est consectetur do tempor tempor cillum aute
38 |         anim sint ipsum veniam molli Officiaenim ",
39 |       "registered" : "Thursday, January 21, 2016 2:49 AM",
40 |       "latitude" : "-56.791906",
41 |       "longitude" : "25.473575",
42 |       "tags" : [
43 |         "duic"
```

Buscara sobre el parámetro “q” a Belinda



Encontraría con “*” a todos los registros



Console Search Profiler Grok Debugger Painless Lab BETA

History Settings Help

1 GET /employee/_search?q=*

```
56 | 7,
57 | 8,
58 | 9
59 | ],
60 | "friends" : [
61 |   {
62 |     "id" : 0,
63 |     "name" : "Jeannie Dorsey"
64 |   },
65 |   {
66 |     "id" : 1,
67 |     "name" : "Rivera Mayo"
68 |   },
69 |   {
70 |     "id" : 2,
71 |     "name" : "Rosalind Gonzalez"
72 |   }
73 | ],
74 | "greeting" : "Hello, Belinda! You have 5 unread messages."
75 |
76 | "favoriteFruit" : "apple"
77 | },
78 | {
79 |   "_index" : "employee",
80 |   "_type" : "_doc",
81 |   "_id" : "dLP4oXQBgZFvFbLV0vCF",
```

```
1 POST /employee/_doc/123
2 {
3   "first": "Araceli"
4 }
5
6
```

```
1 {
2   "_index" : "employee",
3   "_type" : "_doc",
4   "_id" : "123",
5   "_version" : 7,
6   "result" : "updated",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 2,
10    "failed" : 0
11  },
12   "_seq_no" : 24,
13   "_primary_term" : 1
14 }
```

200 - OK 160 ms

actualizado

Se actualizo correctamente el dato

Actualizado correctamente el resultado

```
1 GET /employee/_search?q=*
2
3
```

```
1 {
2   "took" : 2,
3   "timed_out" : false,
4   "_shards" : {
5     "total" : 1,
6     "successful" : 1,
7     "skipped" : 0,
8     "failed" : 0
9   },
10  "hits" : {
11    "total" : {
12      "value" : 2,
13      "relation" : "eq"
14    },
15    "max_score" : 1.0,
16    "hits" : [
17      {
18        "_index" : "employee",
19        "_type" : "_doc",
20        "_id" : "123",
21        "_score" : 1.0,
22        "_source" : {
23          "first" : "Araceli"
24        }
25      },
26      {
27        "_index" : "employee",
```

200 - OK 116 ms



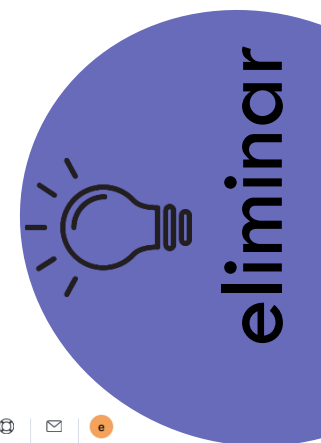
actualización

```
1 DELETE /employee/_doc/123
2

1 {
2   "_index" : "employee",
3   "_type" : "_doc",
4   "_id" : "123",
5   "_version" : 8,
6   "result" : "deleted",
7   "_shards" : {
8     "total" : 2,
9     "successful" : 2,
10    "failed" : 0
11  },
12   "_seq_no" : 26,
13   "_primary_term" : 1
14 }
15
```

200 - OK 200 ms

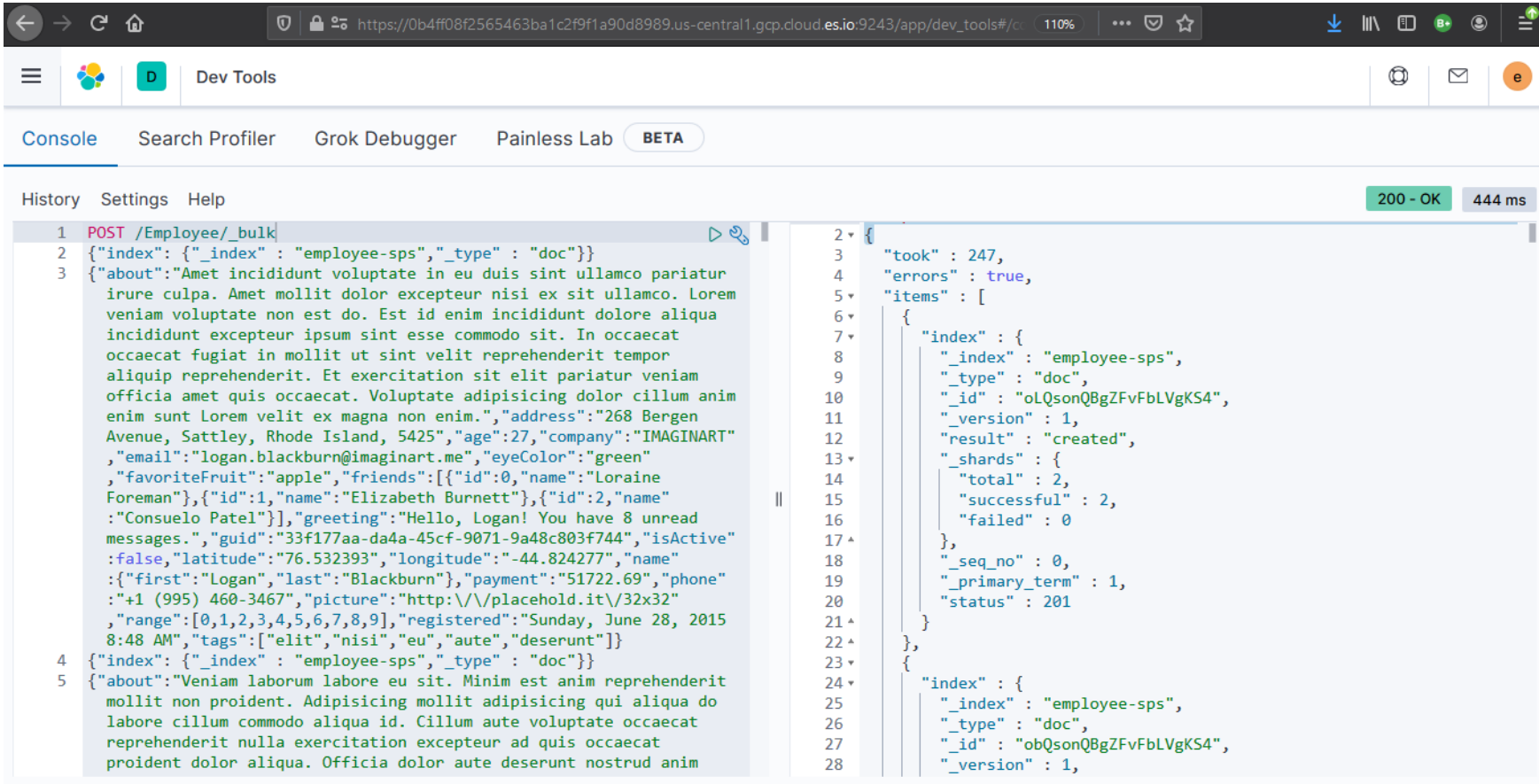
Eliminación correcta de “Araceli”



Cuando intentes encontrar el nombre de “Araceli” no será mostrado

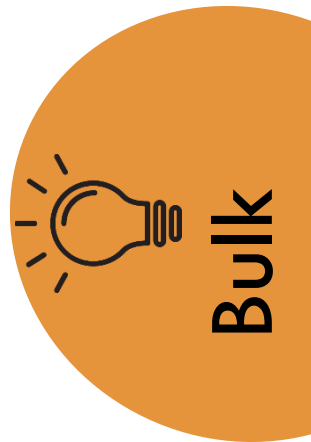
```
1 GET /employee/_search?q=Araceli
2
1 {
2   "took" : 13,
3   "timed_out" : false,
4   "_shards" : {
5     "total" : 1,
6     "successful" : 1,
7     "skipped" : 0,
8     "failed" : 0
9   },
10  "hits" : {
11    "total" : {
12      "value" : 0,
13      "relation" : "eq"
14    },
15    "max_score" : null,
16    "hits" : [ ]
17  }
18 }
19
```

200 - OK 124 ms



```
1 POST /Employee/_bulk
2 {"index": {"_index": "employee-sps", "_type": "doc"}}
3 {"about": "Amet incididunt voluptate in eu duis sint ullamco pariatu
  irure culpa. Amet mollit dolor excepteur nisi ex sit ullamco. Lorem
  veniam voluptate non est do. Est id enim incididunt dolore aliqua
  incididunt excepteur ipsum sint esse commodo sit. In occaecat
  occaecat fugiat in mollit ut sint velit reprehenderit tempor
  aliquip reprehenderit. Et exercitation sit elit pariatu veniam
  officia amet quis occaecat. Voluptate adipisicing dolor cillum anim
  enim sunt Lorem velit ex magna non enim.", "address": "268 Bergen
  Avenue, Sattley, Rhode Island, 5425", "age": 27, "company": "IMAGINART"
  , "email": "logan.blackburn@imaginart.me", "eyeColor": "green"
  , "favoriteFruit": "apple", "friends": [{"id": 0, "name": "Loraine
  Foreman"}, {"id": 1, "name": "Elizabeth Burnett"}, {"id": 2, "name"
  : "Consuelo Patel"}], "greeting": "Hello, Logan! You have 8 unread
  messages.", "guid": "33f177aa-da4a-45cf-9071-9a48c803f744", "isActive"
  : false, "latitude": "76.532393", "longitude": "-44.824277", "name"
  : {"first": "Logan", "last": "Blackburn"}, "payment": "51722.69", "phone"
  : "+1 (995) 460-3467", "picture": "http://placeholder.it/32x32"
  , "range": [0, 1, 2, 3, 4, 5, 6, 7, 8, 9], "registered": "Sunday, June 28, 2015
  8:48 AM", "tags": ["elit", "nisi", "eu", "aute", "deserunt"]}
4 {"index": {"_index": "employee-sps", "_type": "doc"}}
5 {"about": "Veniam laborum labore eu sit. Minim est anim reprehenderit
  mollit non proident. Adipisicing mollit adipisicing qui aliqua do
  labore cillum commodo aliqua id. Cillum aute voluptate occaecat
  reprehenderit nulla exercitation excepteur ad quis occaecat
  proident dolor aliqua. Officia dolor aute deserunt nostrud anim

2 {
3   "took" : 247,
4   "errors" : true,
5   "items" : [
6     {
7       "index" : {
8         "_index" : "employee-sps",
9         "_type" : "doc",
10        "_id" : "oLQsonQBgZFvFbLVgKS4",
11        "_version" : 1,
12        "result" : "created",
13        "_shards" : {
14          "total" : 2,
15          "successful" : 2,
16          "failed" : 0
17        },
18        "_seq_no" : 0,
19        "_primary_term" : 1,
20        "status" : 201
21      },
22    },
23    {
24      "index" : {
25        "_index" : "employee-sps",
26        "_type" : "doc",
27        "_id" : "obQsonQBgZFvFbLVgKS4",
28        "_version" : 1,
```



Carga masiva de datos con la api _bulk

1

2

3

4

Stack Management / Index patterns / Create index pattern

Ingest

Ingest Node Pipelines

Logstash Pipelines

Beats Central Management

Data

Index Management

Index Lifecycle Policies

Snapshot and Restore

Rollup Jobs

Transforms

Alerts and Insights

Alerts and Actions

Reporting

Machine Learning Jobs

Watcher

Security

Users

Roles

API Keys

Role Mappings

Kibana

Index Patterns

Saved Objects

Spaces

Create index pattern

An index pattern can match a single source, for example, `filebeat-4-3-22`, or **multiple** data sources, `filebeat-*`.
[Read documentation](#)

Step 1 of 2: Define index pattern

Index pattern name

employee-*5

Next step >

Use an asterisk (*) to match multiple indices. Spaces and the characters `\, /, ?, *, <, >, |` are not allowed.

☐ Include system and hidden indices

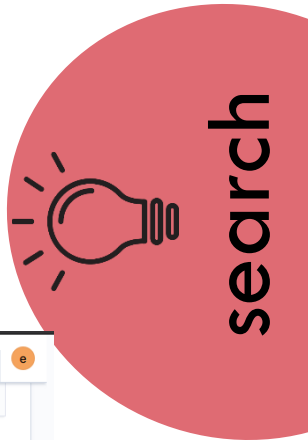
✓ Your index pattern matches 1 source.

employee-sps

Index

Rows per page: 10

- 1.- Desplegamos menú
- 2.-Selecciona Stack Management
- 3.-Click en Index patterns
- 4.-Creacion de Index pattern
- 5.-Proporciona nombre, click en Next



Creado el index patterns, nos mostrara las columnas existentes

Stack Management / Index patterns / employee-*

Snapshot and restore

Rollup Jobs

Transforms

Alerts and Insights

Alerts and Actions

Reporting

Machine Learning Jobs

Watcher

Security

Users

Roles

API Keys

Role Mappings

Kibana

Index Patterns

Saved Objects

Spaces

Search

All field types

Name	Type	Format	Searchable	Aggregatable	Excluded
_id	string		•	•	
_index	string		•	•	
_score	number				
_source	_source				
_type	string		•	•	
about	string		•		
about.keyword	string		•	•	
address	string		•		
address.keyword	string		•	•	
age	number		•	•	

Rows per page: 10

< 1 2 3 4 5 >

https://0b4ff08f2565463ba1c2f9f1a90d8989.us-central1.gcp.cloud.es.io:9243/app/management/insightsAndAlerting/triggersActions

☰

Dev Tools

⌂

✉

e

Console

Search Profiler

Grok Debugger

Painless Lab

BETA

History Settings Help

1 GET /_search

2 {

3 "query": {

4 "range": {

5 "age": {

6 "gte": "30",

7 "lte": "122"

8 }

9 }

10 }

11 }

12

13

14

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

"_score": 1.0,

"_source": {

"about": "Ut culpa occaecat non dolor elit eiusmod aliquip labore sint elit. Ex sunt consequat mollit officia mollit eiusmod consequat velit magna adipisicing. Esse in do sit labore et culpa velit. Do magna adipisicing est sunt nulla nostrud eiusmod dolor. Velit adipisicing aliquip nulla deserunt ut consectetur sint. Irure occaecat adipisicing id cupidatat. Nostrud ipsum anim ea incididunt minim dolore consequat occaecat proident aliqua.",

"address": "954 Stuart Street, Glenshaw, Oregon, 8366",

"age": 31,

"company": "DANCITY",

"email": "caldwell.klein@dancity.org",

"eyeColor": "blue",

"favoriteFruit": "strawberry",

"friends": [

{

"id": 0,

"name": "Kris Thornton"

},

{

"id": 1,

"name": "Nola Spence"

}

]

}

}

200 - OK

263 ms

Mayores de 30 años

Ó únicamente mayores a 30

☰

Dev Tools

⌂

✉

2

Console

Search Profiler

Grok Debugger

Painless Lab

BETA

History Settings Help

1 GET /_search

2 {

3 "query": {

4 "range": {

5 "age": {

6 "gte": 30

7 }

8 }

9 }

10 }

11 }

12 }

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

cupidatat enim tempor ullamco cupidatat culpa eiusmod et officia qui reprehenderit. Adipisicing reprehenderit ipsum occaecat nostrud. Officia qui velit voluptate id deserunt fugiat aliqua ipsum laboris enim.",

"address": "737 Dwight Street, Springville, Alaska, 1916",

"age": 32,

"company": "COMTREK",

"email": "katina.hansen@comtrek.biz",

"eyeColor": "green",

"favoriteFruit": "strawberry",

"friends": [

{

"id": 0,

"name": "Dickerson Hayden"

},

{

"id": 1,

"name": "Angelique Ochoa"

},

{

"id": 2,

"name": "Melissa Bradshaw"

}

]

},

"greeting": "Hello, Katinal You have 8 unread messages.",

"guid": "732949a1-43e2-4243-b058-1886a83ceda6",

"isActive": true,

"latitude": "-64.713441",

"longitude": "-20.310355",

"name": {

200 - OK

183 ms



Dev Tools

Console Search Profiler Grok Debugger Painless Lab BETA

History Settings Help

```
1 GET /_search
2 {
3   "query": {
4     "range": {
5       "age": {
6         "lt": 30
7       }
8     }
9   }
10 }
11 }
12 }
13 }
```

200 - OK 168 ms

```
1 {
2   "took" : 9,
3   "timed_out" : false,
4   "shards" : {
5     "total" : 15,
6     "successful" : 15,
7     "skipped" : 0,
8     "failed" : 0
9   },
10  "hits" : {
11    "total" : {
12      "value" : 63,
13      "relation" : "eq"
14    },
15    "max_score" : 1.0,
16    "hits" : [
17      {
18        "_index" : "employee",
19        "_type" : "doc",
20        "_id" : "123",
21        "_score" : 1.0,
22        "_source" : {
23          "guid" : "0cb4df76-5090-422f-9a6e-1a8b3d92b650",
24          "isActive" : false,
25          "payment" : 3146.95,
26          "picture" : "http://placeholder.it/32x32",
27          "age" : 21,
28          "eyeColor" : "brown",
29          "name" : {
30            "first" : "Rebecca"
```

Top 5 empleados menores a 30 que ganen mas de 5000.00

En formato JSON queda así:
db.employee.find({age:{\$lt:30}},age:{\$i
n:[500000]}},{name:1,age:1})

Discover

New

Save

Open

Share

Inspect

age <= 30 and payment > 50000

KQL

Refresh

+ Add filter

employee-*

Search field names

Filter by type 0

Selected fields

_source

Available fields

_id

_index

_score

_type

about

address

age

company

23 hits

_source

payment: 51722.69 about: Amet incididunt voluptate in eu duis sint ullamco pariat...
sit ullamco. Lorem veniam voluptate non est do. Est id enim incididunt dolore aliqua incididunt excepteur ipsum sint esse commodo sit.
In occaecat occaecat fugiat in mollit ut sint velit reprehenderit tempor aliquip reprehenderit. Et exercitation sit elit pariat...
veniam officia amet quis occaecat. Voluptate adipisicing dolor cillum anim enim sunt Lorem velit ex magna non enim. address: 268 Bergen
Avenue, Sattley, Rhode Island, 5425 age: 27 company: IMAGINART email: logan.blackburn@imaginart.me eyeColor: green

Expanded document

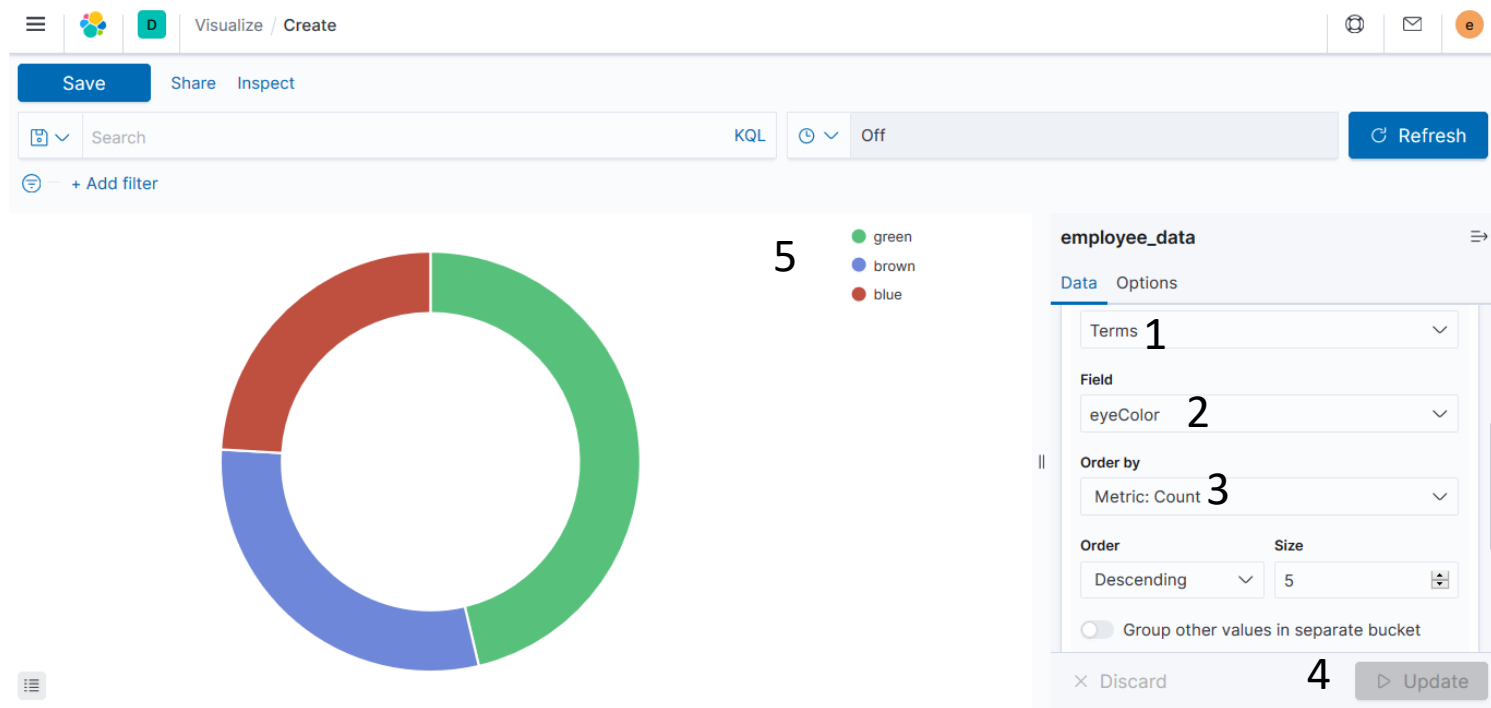
View single document

Table

JSON

_id	oLQsonQBgZFvFbLVgKS4
_index	employee-sps
_score	0

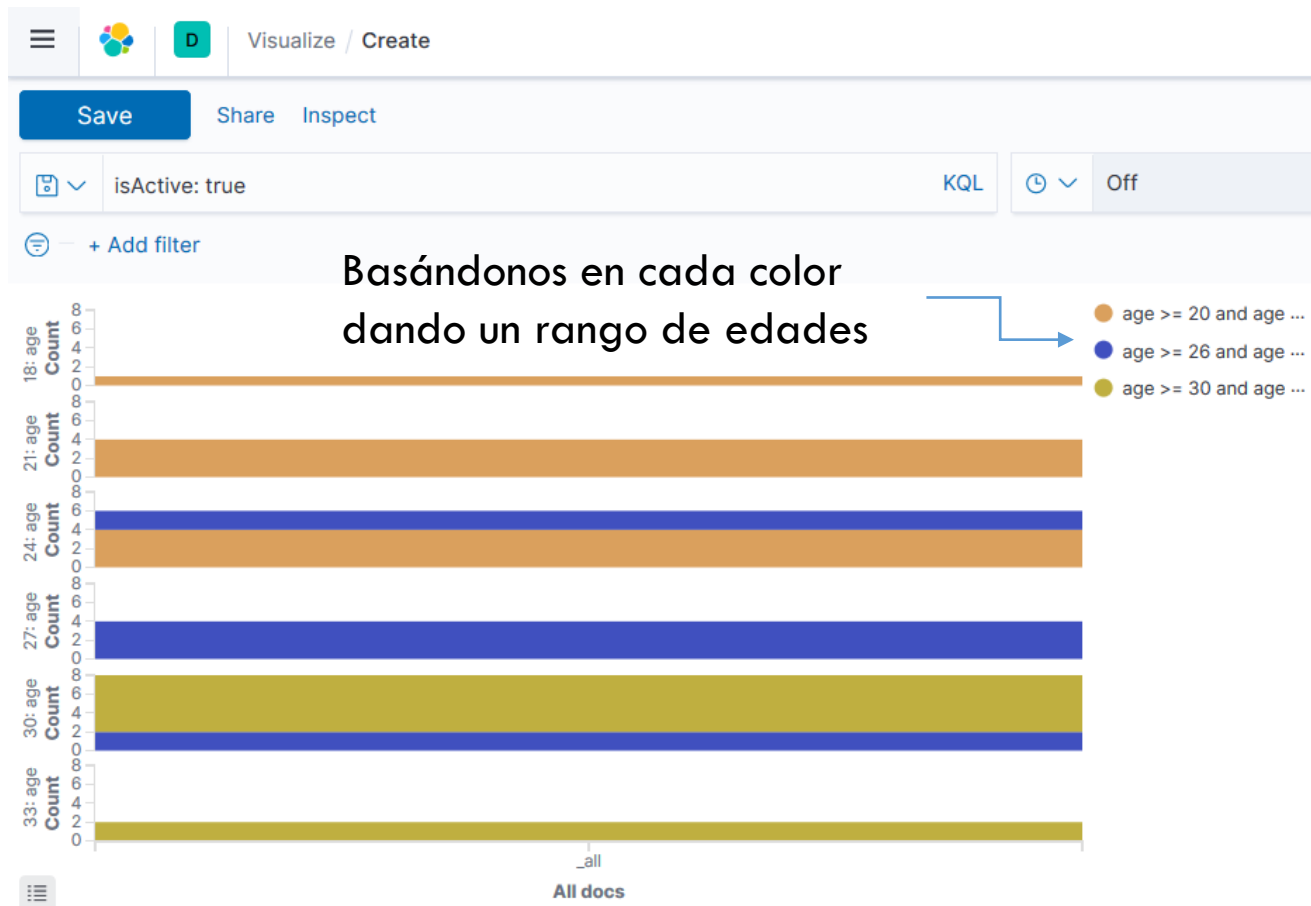




Clasificar empleados por el color de sus ojos

- 1.- Agregamos condiciones
- 2.-Especificamos campo
- 3.-Se ordena por conteo
- 4.-Actualizamos
- 5.-Visalizamos el color de ojos mas común por los empleados





employee-*

Data Metrics & axes Panel settings

Buckets

☒ Split series

Aggregation Filters 1

Filter 1
isActive 2 KQL

Filter 2 3
age >= 20 and age <= 25 KQL

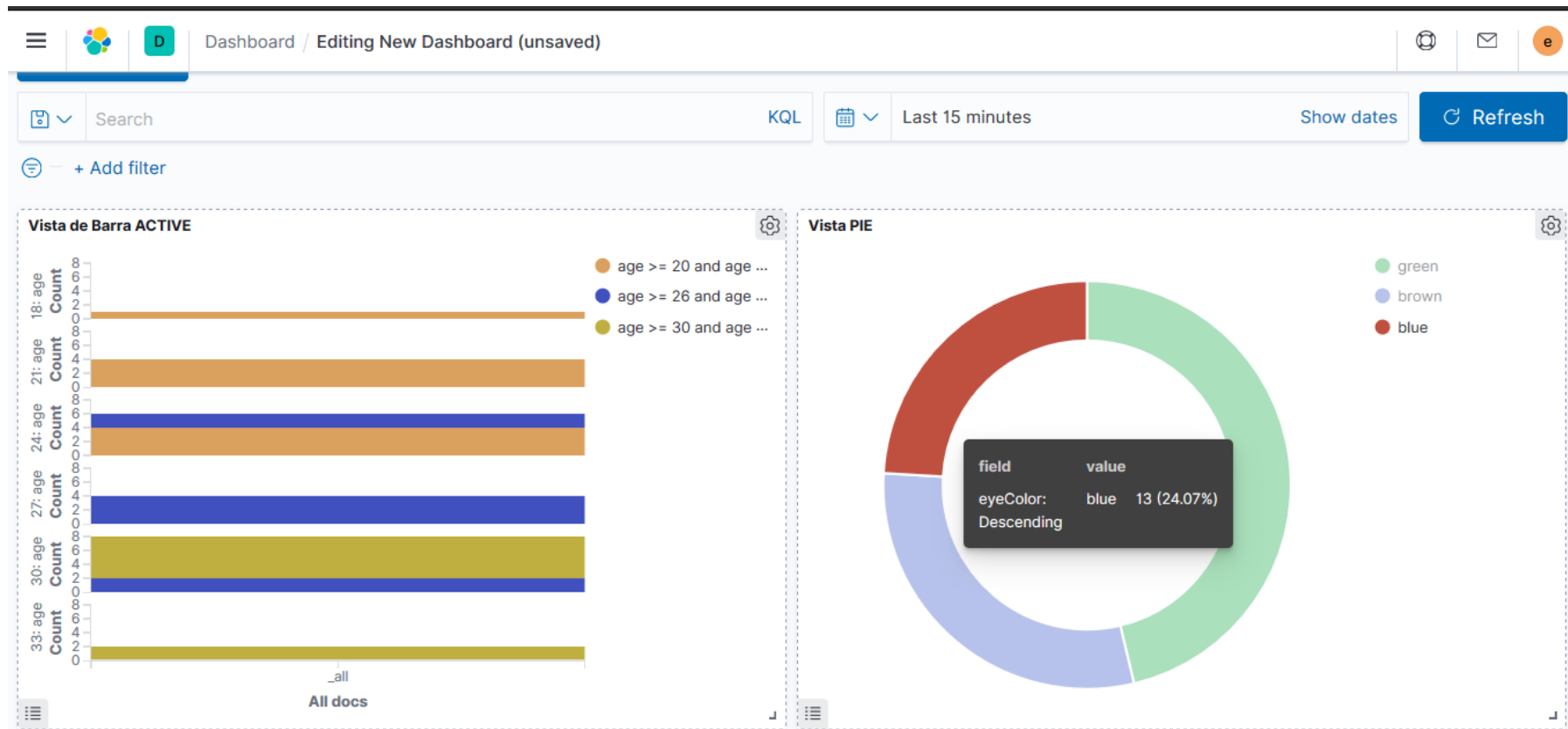
Filter 3
age >= 26 and age <= 30 KQL

Filter 4
age >= 30 and age <= 35 KQL

4 Update

- 1.-Agregaremos por filtros
- 2.-Usuarios únicamente activos
- 3.-Filtraremos por rango de edad
- 4.-Actualizamos





Visualización tablero de datos

