



Big Data com Hive e Impala

Consultas

Max

```
[quickstart.cloudera:21000] > select max(total) from locacao;  
Query: select max(total) from locacao  
Query submitted at: 2019-08-13 17:46:02 (Coordinator:  
http://quickstart.cloudera:25000)  
Query progress can be monitored at:  
http://quickstart.cloudera:25000/query_plan?query_id=7f4517436564c587:4fc3435  
500000000  
+-----+  
| max(total) |  
+-----+  
| 2100       |  
+-----+  
Fetched 1 row(s) in 0.16s
```



Like

```
[quickstart.cloudera:21000] > select idveiculo,modelo from veiculos where modelo like 'BMW%';
Query: select idveiculo,modelo from veiculos where modelo like 'BMW%'
Query submitted at: 2019-08-13 17:46:44 (Coordinator:
http://quickstart.cloudera:25000)
Query progress can be monitored at:
http://quickstart.cloudera:25000/query_plan?query_id=f0445ac0e3094962:9431a0f40000
0000
+-----+-----+
| idveiculo | modelo          |
+-----+-----+
| 3          | BMW 750i xDrive |
| 7          | BMW 750i xDrive |
| 9          | BMW 750i xDrive |
```



IN

```
[quickstart.cloudera:21000] > select * from despachantes where filial in ('Santa Maria','Novo Hamburgo');

Query: select * from despachantes where filial in ('Santa Maria','Novo Hamburgo')
Query submitted at: 2019-08-13 17:47:28 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at:
http://quickstart.cloudera:25000/query_plan?query_id=b74a14903f85e2c4:29f1216400000000
+-----+-----+-----+-----+
| iddespachante | nome           | status | filial      |
+-----+-----+-----+-----+
| 1             | Carminda Pestana | Ativo  | Santa Maria  |
| 2             | Deolinda Vilela   | Ativo  | Novo Hamburgo|
| 7             | Noêmia Orriça     | Ativo  | Santa Maria  |
+-----+-----+-----+-----+
```



NOT IN

```
[quickstart.cloudera:21000] > select * from despachantes where filial not in ('Santa Maria','Novo Hamburgo');

Query: select * from despachantes where filial not in ('Santa Maria','Novo Hamburgo')
Query submitted at: 2019-08-13 17:47:43 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at:
http://quickstart.cloudera:25000/query_plan?query_id=2449d771440fcd7b:998dcb8c00000000
+-----+-----+-----+
| iddespachante | nome           | status | filial      |
+-----+-----+-----+
| 3             | Emídio Dornelles | Ativo  | Porto Alegre |
| 4             | Felisbela Dornelles | Ativo  | Porto Alegre |
| 5             | Graça Ornellas   | Ativo  | Porto Alegre |
```



JOIN / LIMIT

```
[quickstart.cloudera:21000] > select loc.total, des.nome from locacao loc
                                > join despachantes des on (loc.iddespachante = des.iddespachante)
limit 10;
Query: select loc.total, des.nome from locacao loc
join despachantes des on (loc.iddespachante = des.iddespachante) limit 10
Query submitted at: 2019-08-13 17:49:32 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at:
http://quickstart.cloudera:25000/query_plan?query_id=624fa75ea27c6888:2ed631200000000
+-----+
| total | nome          |
+-----+
| 1996  | Graça Ornellas |
| 1843  | Graça Ornellas |
| 2016  | Graça Ornellas |
```



Desnormalização

```
[quickstart.cloudera:21000] > select cli.nome, des.nome, veic.modelo, loc.total from locacao loc
    > join despachantes des on (loc.iddespachante = des.iddespachante)
    > join clientes cli on (loc.idcliente = cli.idcliente)
    > join veiculos veic on (loc.idveiculo = veic.idveiculo);

Query: select cli.nome, des.nome, veic.modelo, loc.total from locacao loc
join despachantes des on (loc.iddespachante = des.iddespachante)
join clientes cli on (loc.idcliente = cli.idcliente)
join veiculos veic on (loc.idveiculo = veic.idveiculo)

Query submitted at: 2019-08-13 17:53:50 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at: http://quickstart.cloudera:25000/query_plan?query_id=1c40690ae09f99af:1f3ac03300000000
+-----+-----+-----+
| nome          | nome          | modelo        | total |
+-----+-----+-----+
| Carminda Veríssimo | Graça Ornellas | Infiniti Q50S 3.7 Sedan | 1996 |
| Clóvis Carrasco   | Graça Ornellas | BMW 750i xDrive   | 1843 |
| Rebeca Torcuato   | Graça Ornellas | BMW 750i xDrive   | 2016 |
```



Group by

```
[quickstart.cloudera:21000] > select veic.modelo, desp.nome, sum(loc.total) from locacao loc
    > join veiculos veic on (loc.idveiculo = veic.idveiculo)
    > join despachantes desp on (loc.iddespachante = desp.iddespachante)
    > group by veic.modelo, desp.nome;
Query: select veic.modelo, desp.nome, sum(loc.total) from locacao loc
join veiculos veic on (loc.idveiculo = veic.idveiculo)
join despachantes desp on (loc.iddespachante = desp.iddespachante)
group by veic.modelo, desp.nome
Query submitted at: 2019-08-13 17:56:26 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at:
http://quickstart.cloudera:25000/query_plan?query_id=1f49679139df550f:ee66db0700000000
+-----+-----+-----+
| modelo | nome | sum(loc.total) |
+-----+-----+-----+
| Mercedes-Benz S65 AMG Coupe | Noêmia Orriça | 3977 |
| BMW 750i xDrive | Matilde Rebouças | 5861 |
```



Having

```
[quickstart.cloudera:21000] > select veic.modelo, desp.nome, sum(loc.total) from locacao loc
join veiculos veic on (loc.idveiculo = veic.idveiculo)
join despachantes desp on (loc.iddespachante = desp.iddespachante)
group by veic.modelo, desp.nome having sum(loc.total) > 10000;
Query: select veic.modelo, desp.nome, sum(loc.total) from locacao loc
join veiculos veic on (loc.idveiculo = veic.idveiculo)
join despachantes desp on (loc.iddespachante = desp.iddespachante)
group by veic.modelo, desp.nome having sum(loc.total) > 10000
Query submitted at: 2019-08-13 17:57:37 (Coordinator: http://quickstart.cloudera:25000)
Query progress can be monitored at: http://quickstart.cloudera:25000/query_plan?query_id=7843663873307909:afcba68f00000000
+-----+-----+-----+
| modelo | nome | sum(loc.total) |
+-----+-----+-----+
| BMW 750i xDrive | Graça Ornellas | 13734 |
| BMW 750i xDrive | Carminda Pestana | 11240 |
+-----+-----+-----+
Fetched 2 row(s) in 1.04s
```

