

Hadoop HIVE

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| . | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:52 PM |
| . | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:54 PM |
| gutenberg-small | | hadoop | telematica | drwxr-xr-x | November 09, 2025 07:54 PM |
| onu | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:52 PM |

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| . | | telematica | telematica | drwxr-xr-x | November 09, 2025 08:25 PM |
| export-data.csv | 4.3 KB | telematica | telematica | -rw-r--r-- | November 09, 2025 08:25 PM |
| hdi-data.csv | 9.0 KB | telematica | telematica | -rw-r--r-- | November 09, 2025 08:25 PM |

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| . | | hdfs | hdfsadmin | drwxr-xr-x | November 09, 2025 07:53 PM |
| . | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:52 PM |
| hive jars | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:52 PM |
| datasets | | telematica | telematica | drwxr-xr-x | November 09, 2025 07:54 PM |

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0.13s default

```
1 CREATE DATABASE samueldb;
2 USE samueldb;
3
4 CREATE TABLE hdi (
5   id INT,
6   country STRING,
7   hdi FLOAT,
8   lifeex INT,
9   mysch INT,
10  eysch INT,
11  gni INT
12 )
13 ROW FORMAT DELIMITED
14 FIELDS TERMINATED BY ','
15 STORED AS TEXTFILE;
16
17 LOAD DATA INPATH '/user/hadoop/datasets/onu/hdi-data.csv'
18 INTO TABLE hdi;
19
20 SELECT * FROM hdi LIMIT 5;
```

INFO : Concurrency mode is disabled, not creating a lock manager

INFO : Executing command(queryId=hive_20251117030828_fa309285-6e4b-44af-bdb0-a4b6a10b90aa): SELECT * FROM hdi LIMIT 5

INFO : Completed executing command(queryId=hive_20251117030828_fa309285-6e4b-44af-bdb0-a4b6a10b90aa); Time taken: 0.0 seconds

INFO : OK

INFO : Concurrency mode is disabled, not creating a lock manager

Query History

Saved Queries

Results (5)

| | hdi.id | hdi.country | hdi.hdi | hdi.lifeex | hdi.mysch | hdi.eysch | hdi.gni |
|---|--------|---------------|---------|------------|-----------|-----------|---------|
| 1 | NULL | country | NULL | NULL | NULL | NULL | NULL |
| 2 | 1 | Norway | 0.943 | 81 | 12 | 17 | 47557 |
| 3 | 2 | Australia | 0.929 | 81 | 12 | 18 | 34431 |
| 4 | 3 | Netherlands | 0.91 | 80 | 11 | 16 | 36402 |
| 5 | 4 | United States | 0.91 | 78 | 12 | 16 | 43017 |

3.84s default

```
10  eysch INT,
11  gni INT
12 )
13 ROW FORMAT DELIMITED
14 FIELDS TERMINATED BY ','
15 STORED AS TEXTFILE;
16
17 LOAD DATA INPATH '/user/hadoop/datasets/onu/hdi-data.csv'
18 INTO TABLE hdi;
19
20 SELECT * FROM hdi LIMIT 5;
21
22 USE samueldb;
23
24 CREATE EXTERNAL TABLE expo (
25   country STRING,
26   expct FLOAT
27 )
28 ROW FORMAT DELIMITED
29 FIELDS TERMINATED BY ','
30 STORED AS TEXTFILE
31 LOCATION '/user/hadoop/datasets/onu/export/';
32
33 SELECT h.country, h.gni, e.expct
34 FROM hdi h
35 JOIN expo e ON (h.country = e.country)
36 WHERE h.gni > 2000;
37
```

INFO : Launching Job 1 out of 1

INFO : Starting task [Stage-1:MAPRED] in serial mode

INFO : Subscribed to counters: [] for queryId: hive_20251117030927_5e603b02-3392-4214-84b9-4bef66f02bea

INFO : Tez session hasn't been created yet. Opening session

application_1763344109923_0003

Query History

Saved Queries

< default

Tables

(3) + ↺

Filter...

docs

expo

hdi

```
25 country STRING,
26 expct FLOAT
27 )
28 ROW FORMAT DELIMITED
29 FIELDS TERMINATED BY ','
30 STORED AS TEXTFILE
31 LOCATION '/user/hadoop/datasets/onu/export/';
32
33 SELECT h.country, h.gni, e.expct
34 FROM hdi h
35 JOIN expo e ON (h.country = e.country)
36 WHERE h.gni > 2000;
37
38 USE samueldb;
39
40 CREATE EXTERNAL TABLE docs (line STRING)
41 STORED AS TEXTFILE
42 LOCATION '/user/hadoop/datasets/gutenberg-small/';
43
44 SELECT * FROM docs LIMIT 5;
```

```
INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hive_20251117031021_55a6dec4-4e4d-4331-ecb8-43855fb7da3f): SELECT * FROM docs LIMIT 5
INFO : Completed executing command(queryId=hive_20251117031021_55a6dec4-4e4d-4331-ecb8-43855fb7da3f); Time taken: 0.0 seconds
INFO : OK
INFO : Concurrency mode is disabled, not creating a lock manager
```

Query History Saved Queries Results (5)

docs.line

| |
|----------------------|
| 1 |
| 2 LINCOLN LETTERS |
| 3 |
| 4 By Abraham Lincoln |
| 5 |

```
45
46 SELECT word, COUNT(*) AS count
47 FROM (
48   SELECT explode(split(line, ' ')) AS word
49   FROM docs
50 ) w
51 GROUP BY word
52 ORDER BY word DESC
53 LIMIT 10;
54
```

```
INFO : Map 1: 1/1 Reducer 2: 0/1 Reducer 3: 0/1
INFO : Map 1: 1/1 Reducer 2: 2/2 Reducer 3: 1/1
INFO : Completed executing command(queryId=hive_20251117031045_64e81056-7d6a-49e2-a39d-0885d3876fe8); Time taken: 4.298 seconds
INFO : OK
INFO : Concurrency mode is disabled, not creating a lock manager
```

application_1763344109923_0003

Query History Saved Queries Results (10)

| | word | count |
|----|-----------|-------|
| 1 | Æschines, | 1 |
| 2 | zigzag | 1 |
| 3 | zest | 1 |
| 4 | zenith | 1 |
| 5 | zealously | 1 |
| 6 | zealous, | 1 |
| 7 | zealous | 5 |
| 8 | zeal, | 3 |
| 9 | zeal | 8 |
| 10 | youthful | 2 |

```

54
55 SELECT word, COUNT(*) AS count
56 FROM (
57     SELECT explode(split(line, ' ')) AS word
58     FROM docs
59 ) w
60 GROUP BY word
61 ORDER BY count DESC
62 LIMIT 10;
63

```

```

INFO : Map 1: 0/1/1/1 Reducer 2: 0/2 Reducer 3: 0/1
INFO : Map 1: 1/1 Reducer 2: 2/2 Reducer 3: 1/1
INFO : Completed executing command(queryId=hive_20251117031111_a85ea898-702b-4eb7-95db-8d81d673167f); Time taken: 4.069 seconds
INFO : OK
INFO : Concurrency mode is disabled, not creating a lock manager

```

application_1763344109923_0003

Query History Saved Queries Results (10)

| | word | count |
|----|------|-------|
| 1 | the | 44647 |
| 2 | of | 28020 |
| 3 | | 27298 |
| 4 | to | 23208 |
| 5 | and | 20444 |
| 6 | in | 13174 |
| 7 | that | 12265 |
| 8 | I | 10880 |
| 9 | a | 10431 |
| 10 | is | 7776 |

```

63
64 CREATE TABLE wordcount (
65     word STRING,
66     count INT
67 )
68 STORED AS TEXTFILE;
69
70 INSERT INTO TABLE wordcount
71 SELECT word, COUNT(*) AS count
72 FROM (
73     SELECT explode(split(line, ' ')) AS word
74     FROM docs
75 ) w
76 GROUP BY word;
77
78 SELECT * FROM wordcount LIMIT 20;
79

```

```

INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hive_20251117031150_2d254543-189c-40be-a3aa-b682e3a8b2ae): SELECT * FROM wordcount LIMIT 20
INFO : Completed executing command(queryId=hive_20251117031150_2d254543-189c-40be-a3aa-b682e3a8b2ae); Time taken: 0.0 seconds
INFO : OK
INFO : Concurrency mode is disabled, not creating a lock manager

```

Query History Saved Queries Results (20)

| | wordcount.word | wordcount.count |
|----|----------------|-----------------|
| 1 | | 27298 |
| 2 | "But | 1 |
| 3 | "KANSAS | 1 |
| 4 | "Nothing | 1 |
| 5 | "One | 1 |
| 6 | "PETERSBURG, | 1 |
| 7 | "-I | 1 |
| 8 | "...the | 1 |
| 9 | "...they | 1 |
| 10 | "2" | 1 |
| 11 | "2d. | 1 |
| 12 | "3d. | 1 |
| 13 | "4th. | 1 |