

Hadoop HIVE

The three screenshots illustrate the Apache Hue File Browser interface, specifically the 'File Browser' tab, showing the contents of HDFS datasets and Hive metastore tables.

Screenshot 1: /user/telematica/datasets

Name	Size	User	Group	Permissions	Date
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

Screenshot 2: /user/telematica/datasets/onu

Name	Size	User	Group	Permissions	Date
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

Screenshot 3: /user/telematica

Name	Size	User	Group	Permissions	Date
datasets		telematica	telematica	drwxr-xr-x	November 09, 2025 07:54 PM
.hive.Jars		telematica	telematica	drwxr-xr-x	November 09, 2025 07:52 PM
hdfs		hdfsadminingroup	hdfsadminingroup	drwxr-xr-x	November 09, 2025 07:53 PM

```

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

Hive Add a name... Add a description...

Tables (2) + C Filter... expo hdi

```

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   exptc 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.exptc
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_5e603b02-3392-4214-84b9-4bef66f82bea
INFO : Tez session hasn't been created yet. Opening session

application_1763344109923_0003

	Query History	Saved Queries
--	---------------	---------------

default

Tables (3) + ⚙

Filter...

```

46 CREATE EXTERNAL TABLE docs (
47   country STRING,
48   exptc FLOAT
49 )
50 ROW FORMAT DELIMITED
51 FIELDS TERMINATED BY ','
52 STORED AS TEXTFILE
53 LOCATION '/user/hadoop/datasets/onu/export/';
54
55 SELECT h.country, h.gni, e.exptc
56 FROM hdi h
57 JOIN expo e ON (h.country = e.country)
58 WHERE h.gni > 2000;
59
60 USE samueldb;
61
62 CREATE EXTERNAL TABLE docs (line STRING)
63 STORED AS TEXTFILE
64 LOCATION '/user/hadoop/datasets/gutenberg-small/';
65
66 SELECT * FROM docs LIMIT 5;

```

INFO : Concurrency mode is disabled, not creating a lock manager
INFO : Executing command(queryId=hive_20251117031021_55a6decd-4e4d-4331-acb8-43855fb7da3f): SELECT * FROM docs LIMIT 5
INFO : Completed executing command(queryId=hive_20251117031021_55a6decd-4e4d-4331-acb8-43855fb7da3f): 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


```

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

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

```

▶ ⏴ ⏵

INFO : Map 1: 0/1 R 0/1 Reducer 1: 0/1 R 0/1
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

```

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