

Lab12

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1.

-- Active: 1727157595209@@127.0.0.1@5432@lab1@public PostgreSQL

Run | New Tab | JSON

select * from information_schema.tables
where table_schema = 'information_schema';

information_schema.tables

搜索结果集

1

导出

table_catalog name	table_schema name	table_name name
Filter	Filter	Filter
> lab1	information_schema	role_column_grants
> lab1	information_schema	information_schema_catalogs
> lab1	information_schema	column_domain_usage
> lab1	information_schema	applicable_roles
> lab1	information_schema	administrable_role_authorizations
> lab1	information_schema	domain_constraints
> lab1	information_schema	attributes
> lab1	information_schema	column_privileges

2.

5

select *

table_catalog

information_schema.columns where table_name = 'movies';

7

1.

8

9

![alt text](record12

10

11

2.

12

13

information_schema.columns

搜索结果集

导出

耗时: 81ms

1

Total 5

		table_catalog name	table_schema name	table_name name	column_name name	ordinal_ inte
		Filter	Filter	Filter	Filter	Filter
<input type="checkbox"/>	>	lab1	public	movies	movieid	1
<input type="checkbox"/>	>	lab1	public	movies	title	2
<input type="checkbox"/>	>	lab1	public	movies	country	3
<input type="checkbox"/>	>	lab1	public	movies	year_released	4
<input type="checkbox"/>	>	lab1	public	movies	runtime	5

3.

Run | New Tab | JSON

8

select *

11

9

from information_schema.schemata;

51ms

12

13

information_schema.schemata

搜索结果集

导出

耗时: 8

		catalog_name name	schema_name name	schema_owner name	default
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	>	lab1	information_schema	earendelh	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	earendelh	(NULL)
<input type="checkbox"/>	>	lab1	pg_toast	earendelh	(NULL)
<input type="checkbox"/>	>	lab1	public	pg_database_owner	(NULL)

4.

Run | New Tab | JSON

11 select *

12 from information_schema.routines; 26ms

19 ### 4.

20

21

information_schema.routines

搜索结果集

导出 耗时: 62ms < 1 2

		specific_catalog name	specific_schema name	specific_name name	routine_cat name
		Filter	Filter	Filter	Filter
<input type="checkbox"/>	>	lab1	pg_catalog	boolin_1242	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	boolout_1243	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	byteain_1244	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	byteaout_31	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	charin_1245	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	charout_33	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	namein_34	lab1
<input type="checkbox"/>	>	lab1	pg_catalog	nameout_35	lab1

5.

Run | New Tab | JSON

14 select *

15 from information_schema.triggers; 21ms

23 ### 5.

24

25

information_schema.triggers

搜索结果集

导出 耗时: 56ms < 1 > Total 17

		trigger_catalog name	trigger_schema name	trigger_name name	event_manipulation varchar	event_obj na
		Filter	Filter	Filter	Filter	Filter
<input type="checkbox"/>	>	lab1	public	check_after_statement	INSERT	lab1
<input type="checkbox"/>	>	lab1	public	check_before_statement	INSERT	lab1
<input type="checkbox"/>	>	lab1	public	check_after	INSERT	lab1
<input type="checkbox"/>	>	lab1	public	check_before	INSERT	lab1
<input type="checkbox"/>	>	lab1	public	check_before_insert	INSERT	lab1
<input type="checkbox"/>	>	lab1	public	check_after_statement	DELETE	lab1
<input type="checkbox"/>	>	lab1	public	check_before_statement	DELETE	lab1
<input type="checkbox"/>	>	lab1	public	check_after	DELETE	lab1

6.

Run | New Tab | JSON

17

select *

18

from information_schema.tables where table_schema = 'pg_catalog'

28

29

![[alt text](record12/image-7.png)]

information_schema.tables

搜索结果集

导出

耗时: 42ms < 1 2 > Total 139

		table_catalog name	table_schema name	table_name name	table_type varchar	self_referencing. name
		Filter	Filter	Filter	Filter	Filter
<input type="checkbox"/>	>	lab1	pg_catalog	pg_statistic	BASE TABLE	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_type	BASE TABLE	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_foreign_table	BASE TABLE	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_authid	BASE TABLE	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_shadow	VIEW	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_roles	VIEW	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_statistic_ext_data	BASE TABLE	(NULL)
<input type="checkbox"/>	>	lab1	pg_catalog	pg_settings	VIEW	(NULL)

7.

```
[lab1=# select oid from pg_database where datname = 'lab1';
      oid
```

```
-----
```

```
16388
```

```
(1 行记录)
```

```
[lab1=# select pg_database_size(16388);
      pg_database_size
```

```
-----
```

```
16864047
```

```
(1 行记录)
```

```
[lab1=# select pg_database_size('lab1');
      pg_database_size
```

```
-----
```

```
16864047
```

```
(1 行记录)
```

```
lab1=# |
```

8.

```
[lab1=# select pg_tablespace_size('pg_default')/1024/1024 as "size in M";
      size in M
```

```
-----
```

```
308
```

```
(1 行记录)
```

```
[lab1=# select pg_size_pretty(pg_tablespace_size('pg_default'));
      pg_size_pretty
```

```
-----
```

```
309 MB
```

```
(1 行记录)
```

9.

```
[lab1=# select pg_size_pretty(pg_table_size('movies'));
pg_size_pretty
```

```
-----
608 kB
(1 行记录)
```

```
[lab1=# select pg_size_pretty(pg_indexes_size('movies'));
pg_size_pretty
```

```
-----
760 kB
(1 行记录)
```

```
[lab1=# select pg_size_pretty(pg_total_relation_size('movies'));
pg_size_pretty
```

```
-----
1368 kB
(1 行记录)
```

10.

```
[lab1=# select pg_column_size('hello world');
pg_column_size
```

```
-----
12
(1 行记录)
```

```
[lab1=# select pg_column_size('');
pg_column_size
```

```
-----
1
(1 行记录)
```