

Описание pg_class

```
postgres=# \d pg_class
      трсышурь "pg_catalog.pg_class"
+-----+-----+-----+-----+
|      |      |      |      |      |
+-----+-----+-----+-----+
oid      | oid      |      |      |      |
relname  | name     |      |      |      |
relnamespace |      | oid      |      |      |
reltype  |          | oid      |      |      |
relotype |          | oid      |      |      |
relowner |          | oid      |      |      |
relam    |          | oid      |      |      |
relfilenode |      | oid      |      |      |
reltablespace |      | oid      |      |      |
relpages | integer  |      |      |      |
reltuples | real     |      |      |      |
relallvisible | integer |      |      |      |
reltoastrelid |      | oid      |      |      |
relhasindex |      | boolean  |      |      |
relisshared |      | boolean  |      |      |
relpersistenc |      | "char"   |      |      |
relkind   |          | "char"   |      |      |
relnatts  | smallint |      |      |      |
relchecks | smallint |      |      |      |
relhasrules |      | boolean  |      |      |
relhastriggers |      | boolean  |      |      |
relhassubclass |      | boolean  |      |      |
relrowsecurity |      | boolean  |      |      |
relforcerowsecurity |      | boolean  |      |      |
relispopulated |      | boolean  |      |      |
relreplident |      | "char"   |      |      |
relispartition |      | boolean  |      |      |
relrewrite |      | oid      |      |      |
relfrozensxid |      | xid      |      |      |
relminmxid |      | xid      |      |      |
relacl    | aclitem[] |      |      |      |
reloptions | text[]   |      |      |      |
relpartbound |      | pg_node_tree |      |      |
+-----+-----+-----+-----+
нафхьёв:
"pg_class_oid_index" PRIMARY KEY, btree (oid)
"pg_class_relname_nsp_index" UNIQUE CONSTRAINT, btree (relname, relnamespace)
"pg_class_tblspc_relfilenode_index" btree (reltablespace, relfilenode)
```

```
postgres=# \d+ pg_tables
```

	schemaname	tablename	tableowner	tablesapce	hasindexes	hasrules	hastriggers	rowsecurity
	public	pg_tables	postgres	public	true	false	true	false

```
postgres=# SELECT n.nspname AS schemaname,
```

n.nspname	c.relname	pg_get_userbyid(c.relowner)	t.spcname	c.relhasindex	c.relhasrules	c.relhastriggers	c.relrowsecurity
public	pg_tables	postgres	public	true	false	true	false

Подробное описание pg_tables

Полный список схем

```
postgres=#
postgres=#
postgres=# CREATE DATABASE data_catalog;
CREATE DATABASE
postgres=# CREATE TEMP TABLE t(n integer);
CREATE TABLE
postgres=# \c data_catalog
Вы подключены к базе данных "data_catalog" как пользователь "postgres".
data_catalog=# \dn5
```

Ль	Тырфхыхӱ
information_schema	postgres
pg_catalog	postgres
pg_toast	postgres
public	postgres

(4 ёёЁюш)

Список представлений в information_schema

Используем шаблон:

```
data_catalog=# \dv information_schema.*
```

Имя	Схема	Тип	Тип данных
information_schema	_pg_foreign_data_wrappers	ядро	postgres
information_schema	_pg_foreign_servers	ядро	postgres
information_schema	_pg_foreign_table_columns	ядро	postgres
information_schema	_pg_foreign_tables	ядро	postgres
information_schema	_pg_user_mappings	ядро	postgres
information_schema	administrable_role_authorizations	ядро	postgres
information_schema	applicable_roles	ядро	postgres
information_schema	attributes	ядро	postgres
information_schema	character_sets	ядро	postgres
information_schema	check_constraint_routine_usage	ядро	postgres
information_schema	check_constraints	ядро	postgres
information_schema	collation_character_set_applicability	ядро	postgres
information_schema	collations	ядро	postgres
information_schema	column_column_usage	ядро	postgres
information_schema	column_domain_usage	ядро	postgres
information_schema	column_options	ядро	postgres

Запросы к системному каталогу

```
data_catalog=# \set ECHO_HIDDEN on
data_catalog=# \d+ pg_views
***** ЗАПРОС *****
SELECT c.oid,
       n.nspname,
       c.relname
FROM   pg_catalog.pg_class c
       LEFT JOIN pg_catalog.pg_namespace n ON n.oid = c.relnamespace
WHERE  c.relname OPERATOR(pg_catalog.~) '^(pg_views)$' COLLATE pg_catalog.default
       AND pg_catalog.pg_table_is_visible(c.oid)
ORDER BY 2, 3;
*****
```

```
***** ЗАПРОС *****
SELECT r.rulename, trim(trailing ';' from pg_catalog.pg_get_ruledef(r.oid, true))
FROM   pg_catalog.pg_rewrite r
WHERE  r.ev_class = '12245' AND r.rulename != '_RETURN' ORDER BY 1;
*****
```

Имя	Схема	Тип	Тип данных	Тип данных	Тип данных	Тип данных
schemaname	name				plain	
viewname	name				plain	
viewowner	name				plain	
definition	text				extended	

```
-----
--ядро
SELECT n.nspname AS schemaname,
       c.relname AS viewname,
       pg_get_userbyid(c.relowner) AS viewowner,
       pg_get_viewdef(c.oid) AS definition
FROM   pg_class c
       LEFT JOIN pg_namespace n ON n.oid = c.relnamespace
WHERE  c.relkind = 'v'::"char";

data_catalog=# \set ECHO_HIDDEN off
```