DB - SIVET

Layouts

1. Main Diagram 1

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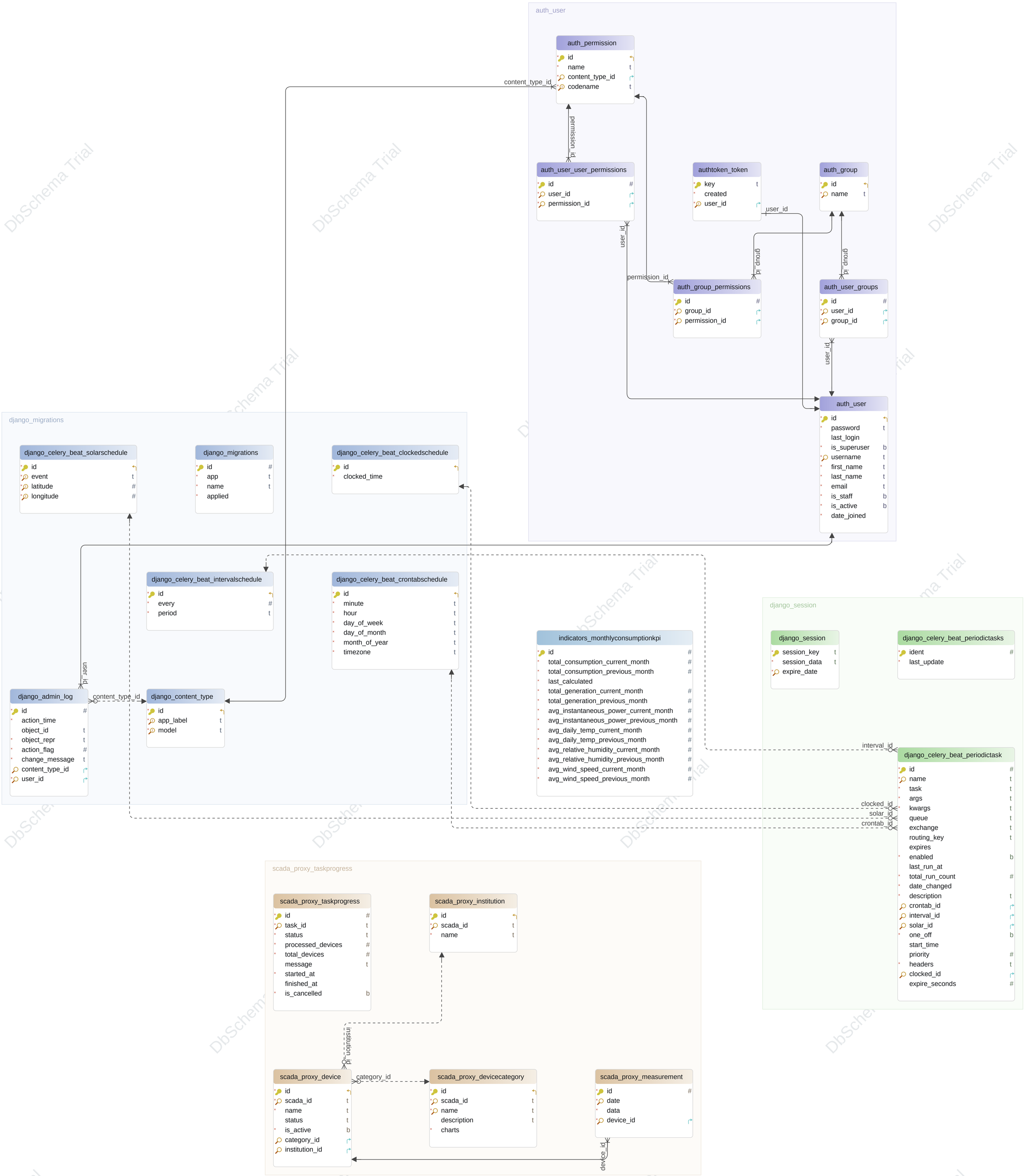
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device_id

Main Diagram

Table auth_group

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
* Idx	name	varchar(150)

Indexes

Type	Name	On
Pk	auth_group_pkey	id
	auth_group_name_a6ea08ec_like	name

Table auth_group_permissions

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Unq	group_id	integer
* Unq	permission_id	integer

Indexes

Type	Name	On
Pk	auth_group_permissions_pkey	id
Unq	auth_group_permissions_group_id_permission_id_0cd325b0_uniq	group_id, permission_id
	auth_group_permissions_group_id_b120cbf9	group_id
	auth_group_permissions_permission_id_84c5c92e	permission_id

Foreign Keys

Type	Name	On
	auth_group_permissio_permission_id_84c5c92e_fk_auth_perm (permission_id) ref auth_permission (id)	
	auth_group_permissions_group_id_b120cbf9_fk_auth_group_id (group_id) ref auth_group (id)	

Table auth_permission

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	name	varchar(255)
* Unq	content_type_id	integer
* Unq	codename	varchar(100)

Indexes

Type	Name	On
Pk	auth_permission_pkey	id
Unq	auth_permission_content_type_id_codename_01ab375a_uniq	content_type_id, codename
	auth_permission_content_type_id_2f476e4b	content_type_id

Foreign Keys

Type	Name	On
	auth_permission_content_type_id_2f476e4b_fk_django_co (content_type_id) ref django_content_type (id)	

Table auth_user

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	password	varchar(128)
	last_login	timestamptz
*	is_superuser	boolean

Table auth_user

* Idx	username	varchar(150)
*	first_name	varchar(150)
*	last_name	varchar(150)
*	email	varchar(254)
*	is_staff	boolean
*	is_active	boolean
*	date_joined	timestamptz

Indexes

Type	Name	On
Pk	auth_user_pkey	id
	auth_user_username_6821ab7c_like	username

Table auth_user_groups

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Unq	user_id	integer
* Unq	group_id	integer

Indexes

Type	Name	On
Pk	auth_user_groups_pkey	id
Unq	auth_user_groups_user_id_group_id_94350c0c_uniq	user_id, group_id
	auth_user_groups_user_id_6a12ed8b	user_id
	auth_user_groups_group_id_97559544	group_id

Foreign Keys

Type	Name	On
	auth_user_groups_group_id_97559544_fk_auth_group_id (group_id) ref auth_group (id)	
	auth_user_groups_user_id_6a12ed8b_fk_auth_user_id (user_id) ref auth_user (id)	

Table auth_user_user_permissions

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Unq	user_id	integer
* Unq	permission_id	integer

Indexes

Type	Name	On
Pk	auth_user_user_permissions_pkey	id
Unq	auth_user_user_permissions_user_id_permission_id_14a6b632_uniq	user_id, permission_id
	auth_user_user_permissions_user_id_a95ead1b	user_id
	auth_user_user_permissions_permission_id_1fbb5f2c	permission_id

Foreign Keys

Type	Name	On
	auth_user_user_permi_permission_id_1fbb5f2c_fk_auth_perm (permission_id) ref auth_permission (id)	
	auth_user_user_permissions_user_id_a95ead1b_fk_auth_user_id (user_id) ref auth_user (id)	

Table authtoken_token

Idx	Name	Data Type
* Pk	key	varchar(40)

Table authtoken_token

*	created	timestamptz
* Unq	user_id	integer

Indexes

Type	Name	On
Pk	authtoken_token_pkey	key
Unq	authtoken_token_user_id_key	user_id

Foreign Keys

Type	Name	On
	authtoken_token_user_id_35299eff_fk_auth_user_id (user_id) ref auth_user (id)	

Table django_admin_log

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	action_time	timestamptz
	object_id	text
*	object_repr	varchar(200)
*	action_flag	smallint
*	change_message	text
Idx	content_type_id	integer
* Idx	user_id	integer

Indexes

Type	Name	On
Pk	django_admin_log_pkey	id
	django_admin_log_content_type_id_c4bce8eb	content_type_id
	django_admin_log_user_id_c564eba6	user_id

Foreign Keys

Type	Name	On
	django_admin_log_user_id_c564eba6_fk_auth_user_id (user_id) ref auth_user (id)	
	django_admin_log_content_type_id_c4bce8eb_fk_django_co (content_type_id) ref django_content_type (id)	

Constraints

	Name	Definition
	django_admin_log_action_flag_check	action_flag >= 0

Table django_celery_beat_clockedschedule

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	clocked_time	timestamptz

Indexes

Type	Name	On
Pk	django_celery_beat_clockedschedule_pkey	id

Table django_celery_beat_crontabschedule

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	minute	varchar(240)
*	hour	varchar(96)
*	day_of_week	varchar(64)
*	day_of_month	varchar(124)

Table django_celery_beat_crontabschedule

*	month_of_year	varchar(64)
*	timezone	varchar(63)

Indexes

Type	Name	On
Pk	django_celery_beat_crontabschedule_pkey	id

Table django_celery_beat_intervalschedule

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
*	every	integer
*	period	varchar(24)

Indexes

Type	Name	On
Pk	django_celery_beat_intervalschedule_pkey	id

Table django_celery_beat_periodictask

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
* Idx	name	varchar(200)
*	task	varchar(200)
*	args	text
*	kwargs	text
	queue	varchar(200)
	exchange	varchar(200)
	routing_key	varchar(200)
	expires	timestamptz
*	enabled	boolean
	last_run_at	timestamptz
*	total_run_count	integer
*	date_changed	timestamptz
*	description	text
Idx	crontab_id	integer
Idx	interval_id	integer
Idx	solar_id	integer
*	one_off	boolean
	start_time	timestamptz
	priority	integer
*	headers	text
Idx	clocked_id	integer
	expire_seconds	integer

Indexes

Type	Name	On
Pk	django_celery_beat_periodictask_pkey	id
	django_celery_beat_periodictask_name_265a36b7_like	name
	django_celery_beat_periodictask_crontab_id_d3cba168	crontab_id
	django_celery_beat_periodictask_interval_id_a8ca27da	interval_id
	django_celery_beat_periodictask_solar_id_a87ce72c	solar_id
	django_celery_beat_periodictask_clocked_id_47a69f82	clocked_id

Table django_celery_beat_periodictask

Foreign Keys

Type	Name	On
	django_celery_beat_p_clocked_id_47a69f82_fk_django_ce	(clocked_id) ref django_celery_beat_clockedschedule (id)
	django_celery_beat_p_solar_id_a87ce72c_fk_django_ce	(solar_id) ref django_celery_beat_solarschedule (id)
	django_celery_beat_p_interval_id_a8ca27da_fk_django_ce	(interval_id) ref django_celery_beat_intervalschedule (id)
	django_celery_beat_p_crontab_id_d3cba168_fk_django_ce	(crontab_id) ref django_celery_beat_crontabschedule (id)

Constraints

	Name	Definition
	django_celery_beat_periodictask_total_run_count_check	total_run_count >= 0
	django_celery_beat_periodictask_priority_check	priority >= 0
	django_celery_beat_periodictask_expire_seconds_check	expire_seconds >= 0

Table django_celery_beat_periodictasks

Idx	Name	Data Type
* Pk	ident	smallint
*	last_update	timestamptz

Indexes

Type	Name	On
Pk	django_celery_beat_periodictasks_pkey	ident

Table django_celery_beat_solarschedule

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
* Unq	event	varchar(24)
* Unq	latitude	numeric(9,6)
* Unq	longitude	numeric(9,6)

Indexes

Type	Name	On
Pk	django_celery_beat_solarschedule_pkey	id
Unq	django_celery_beat_solar_event_latitude_longitude_ba64999a_uniq	event, latitude, longitude

Table django_content_type

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
* Unq	app_label	varchar(100)
* Unq	model	varchar(100)

Indexes

Type	Name	On
Pk	django_content_type_pkey	id
Unq	django_content_type_app_label_model_76bd3d3b_uniq	app_label, model

Table django_migrations

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
*	app	varchar(255)
*	name	varchar(255)
*	applied	timestamptz

Table django_migrations

Indexes

Type	Name	On
Pk	django_migrations_pkey	id

Table django_session

Idx	Name	Data Type
* Pk	session_key	varchar(40)
*	session_data	text
* Idx	expire_date	timestamptz

Indexes

Type	Name	On
Pk	django_session_pkey	session_key
	django_session_expire_date_a5c62663	expire_date

Table indicators_monthlyconsumptionkpi

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
*	total_consumption_current_month	double precision
*	total_consumption_previous_month	double precision
*	last_calculated	timestamptz
*	total_generation_current_month	double precision
*	total_generation_previous_month	double precision
*	avg_instantaneous_power_current_month	double precision
*	avg_instantaneous_power_previous_month	double precision
*	avg_daily_temp_current_month	double precision
*	avg_daily_temp_previous_month	double precision
*	avg_relative_humidity_current_month	double precision
*	avg_relative_humidity_previous_month	double precision
*	avg_wind_speed_current_month	double precision
*	avg_wind_speed_previous_month	double precision

Indexes

Type	Name	On
Pk	indicators_monthlyconsumptionkpi_pkey	id

Table scada_proxy_device

Idx	Name	Data Type
* Pk	id	integer GENERATED BY DEFAULT AS IDENTITY
* Idx	scada_id	varchar(255)
*	name	varchar(255)
	status	varchar(50)
*	is_active	boolean
Idx	category_id	bigint
Idx	institution_id	bigint

Indexes

Type	Name	On
Pk	scada_proxy_device_pkey	id
	scada_proxy_device_scada_id_a4938d8d_like	scada_id
	scada_proxy_device_category_id_4394f828	category_id

Table scada_proxy_device

	scada_proxy_device_institution_id_23c359bc	institution_id

Foreign Keys

Type	Name	On
	scada_proxy_device_institution_id_23c359bc_fk_scada_pro (institution_id) ref scada_proxy_institution (id)	
	scada_proxy_device_category_id_4394f828_fk_scada_pro (category_id) ref scada_proxy_devicecategory (id)	

Table scada_proxy_devicecategory

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Idx	scada_id	varchar(255)
* Idx	name	varchar(100)
	description	text
*	charts	jsonb

Indexes

Type	Name	On
Pk	scada_proxy_devicecategory_pkey	id
	scada_proxy_devicecategory_scada_id_667ba97c_like	scada_id
	scada_proxy_devicecategory_name_c083df94_like	name

Table scada_proxy_institution

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Idx	scada_id	varchar(255)
*	name	varchar(255)

Indexes

Type	Name	On
Pk	scada_proxy_institution_pkey	id
	scada_proxy_institution_scada_id_db41a63d_like	scada_id

Table scada_proxy_measurement

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Unq	date	timestamptz
*	data	jsonb
	data.frequency	_number
	data.outputStatus	_number
	data.currentPhaseA	_number
	data.currentPhaseB	_number
	data.currentPhaseC	_number
	data.voltagePhaseA	_number
	data.voltagePhaseB	_number
	data.voltagePhaseC	_number
	data.neutralCurrent	_number
	data.apparentPowerLow	_number
	data.currentTDDPhaseA	_number
	data.currentTDDPhaseB	_number
	data.currentTDDPhaseC	_number
	data.currentTHDPhaseA	_number

Table scada_proxy_measurement

	data.currentTHDPhaseB	_number
	data.currentTHDPhaseC	_number
	data.maxCurrentPhaseA	_number
	data.maxCurrentPhaseB	_number
	data.maxCurrentPhaseC	_number
	data.totalActivePower	_number
	data.totalPowerFactor	_number
	data.voltageTHDPhaseA	_number
	data.voltageTHDPhaseB	_number
	data.voltageTHDPhaseC	_number
	data.activePowerPhaseA	_number
	data.activePowerPhaseB	_number
	data.activePowerPhaseC	_number
	data.apparentPowerHigh	_number
	data.powerFactorPhaseA	_number
	data.powerFactorPhaseB	_number
	data.powerFactorPhaseC	_number
	data.totalApparentPower	_number
	data.totalReactivePower	_number
	data.apparentPowerPhaseA	_number
	data.apparentPowerPhaseB	_number
	data.apparentPowerPhaseC	_number
	data.reactivePowerPhaseA	_number
	data.reactivePowerPhaseB	_number
	data.reactivePowerPhaseC	_number
	data.maxActivePowerDemand	_number
	data.cumulativeActivePower	_number
	data.exportedActivePowerLow	_number
	data.importedActivePowerLow	_number
	data.maxApparentPowerDemand	_number
	data.cumulativeApparentPower	_number
	data.exportedActivePowerHigh	_number
	data.importedActivePowerHigh	_number
	data.currentActivePowerDemand	_number
	data.negativeReactivePowerLow	_number
	data.positiveReactivePowerLow	_number
	data.negativeReactivePowerHigh	_number
	data.positiveReactivePowerHigh	_number
	data.currentApparentPowerDemand	_number
	data.powerFactorMaxImportedApparentPower	_number
* Unq	device_id	integer

Indexes

Type	Name	On
Pk	scada_proxy_measurement_pkey	id
Unq	scada_proxy_measurement_device_id_date_79bb42f4_uniq	device_id, date
	scada_proxy_measurement_date_82cf8623	date
	scada_proxy_measurement_device_id_4fd9751a	device_id

Foreign Keys

Type	Name	On

Table scada_proxy_measurement

scada_proxy_measurem_device_id_4fd9751a_fk_scada_pro (device_id) ref scada_proxy_device (id)

Table scada_proxy_taskprogress

Idx	Name	Data Type
* Pk	id	bigint GENERATED BY DEFAULT AS IDENTITY
* Idx	task_id	varchar(255)
*	status	varchar(50)
*	processed_devices	integer
*	total_devices	integer
	message	text
*	started_at	timestamptz
	finished_at	timestamptz
*	is_cancelled	boolean

Indexes

Type	Name	On
Pk	scada_proxy_taskprogress_pkey	id
	scada_proxy_taskprogress_task_id_d80e61c4_like	task_id