

users						
user_id	email	passw	name	salt	fail_a	fail_date
uint64	varchar	blob	varchar	blob	integer	uint64
PK , autoinc	unique, index					

providers	
prov_id	prov_name
uint64	varchar(32)
PK , autoinc	index

counters					
cnt_id	fact_n	prov_id	user_id	abon_nu	cnt_typ
uint64	uint64	uint64	uint64	uint64	int
PK , autoinc		FK	FK		FK

unique

counter_types	
cnt_typ	desc
int	char(32)
PK , autoinc	index

readings					
tr_id	tr_date	state	cnt_id	cnt_val	user_id
uint64	DATETIME	smallint	uint64	uint64	uint64
PK , autoinc			FK		FK

objects					
cnt_id	city	village	street	buid_n	flat_n
uint64	ch(32)	ch(32)	ch(32)	smallint	smallint
PK,FK					