

Diagram Documentation

Status

Field	Description	Type	Default	Other
status_id		serial		PK
robot_id		int		FK
battery		double precision		NULLABLE
cpu_1		double precision		NULLABLE
point		jsonb		NULLABLE
orientation		jsonb		NULLABLE
last_heard	UTC-Timestamp in Sekunden als 64-bit Integer mit GROUP BY, für neustes Tupel pro Roboter	bigint	0	

Robot

Field	Description	Type	Default	Other
robot_id		serial		PK
nid		varchar(64)		UNIQUE
state_id	BEFORE UPDATE TRIGGER -> INSERT INTO StateChange	int		FK, NULLABLE
display_name		varchar(64)		NULLABLE
ipv4	15 Zeichen für ipv4	varchar(16)		NULLABLE
ipv6	39 Zeichen für ipv6	varchar(40)		NULLABLE
mac	17 Zeichen für mac	varchar(24)		NULLABLE

State

Field	Description	Type	Default	Other
state_id		serial		PK
state		varchar(64)		UNIQUE

StateChange

Field	Description	Type	Default	Other
change_id		serial		PK
state_id		int		FK
robot_id		int		FK
begin		bigint		

Neighbor

Field	Description	Type	Default	Other
robot_id		int		PK, FK
neighbor		int		PK, FK
strength		real	1.0	