**V1\_\_init\_workflow\_schema.sql**

-- Workflows

CREATE TABLE workflows (

id UUID PRIMARY KEY,

name VARCHAR NOT NULL,

description TEXT,

status VARCHAR NOT NULL DEFAULT 'draft',

created\_at TIMESTAMP WITH TIME ZONE DEFAULT now(),

updated\_at TIMESTAMP WITH TIME ZONE DEFAULT now(),

owner VARCHAR,

metadata JSONB

);

-- Nodes

CREATE TABLE nodes (

id UUID PRIMARY KEY,

workflow\_id UUID NOT NULL REFERENCES workflows(id) ON DELETE CASCADE,

type VARCHAR NOT NULL,

label VARCHAR,

position\_x FLOAT,

position\_y FLOAT,

parameters JSONB,

script\_ref\_id VARCHAR

);

-- Edges

CREATE TABLE edges (

id UUID PRIMARY KEY,

workflow\_id UUID NOT NULL REFERENCES workflows(id) ON DELETE CASCADE,

source\_node\_id UUID NOT NULL REFERENCES nodes(id) ON DELETE CASCADE,

target\_node\_id UUID NOT NULL REFERENCES nodes(id) ON DELETE CASCADE,

label VARCHAR,

condition VARCHAR

);

flyway -url=jdbc:postgresql://localhost:5432/yourdb \

-user=youruser \

-password=yourpass \

Migrate

spring:

flyway:

enabled: false / true (default)

**Workflow Datamodel**

**Entiteit: Workflow**

| **Kolom** | **Type** | **Beschrijving** |
| --- | --- | --- |
| id | UUID / BIGINT | Primary key |
| name | VARCHAR | Naam van de workflow |
| description | TEXT | Optionele beschrijving |
| status | VARCHAR | bv. draft, active, archived |
| created\_at | TIMESTAMP | Aangemaakt op |
| updated\_at | TIMESTAMP | Laatst bewerkt |
| owner | VARCHAR | Gebruikersnaam of user ID |
| metadata | JSONB | Flexibele extra data (cron, labels, etc.) |

**Entiteit: Node**

| **Kolom** | **Type** | **Beschrijving** |
| --- | --- | --- |
| id | UUID / BIGINT | Primary key |
| workflow\_id | UUID / BIGINT | Foreign key naar Workflow |
| type | VARCHAR | bv. start, condition, script, etc. |
| label | VARCHAR | Zichtbare naam |
| position\_x | FLOAT | Canvas-coördinaat |
| position\_y | FLOAT | Canvas-coördinaat |
| parameters | JSONB | Dynamische node-instellingen |
| script\_ref\_id | VARCHAR | ID of naam van gekoppelde script |

**Entiteit: Edge**

| **Kolom** | **Type** | **Beschrijving** |
| --- | --- | --- |
| id | UUID / BIGINT | Primary key |
| workflow\_id | UUID / BIGINT | Foreign key naar Workflow |
| source\_node\_id | UUID / BIGINT | Beginpunt van de edge |
| target\_node\_id | UUID / BIGINT | Eindpunt van de edge |
| label | VARCHAR | bv. “ja”, “nee”, of conditie |
| condition | VARCHAR | Condities of triggers (optioneel) |

**Metadatavoorbeeld**

{

"category": "reporting",

"tags": ["daily", "automated"],

"trigger": {

"type": "cron",

"expression": "0 8 \* \* \*"

},

"externalReferences": {

"gitlabPipelineId": 8473,

"documentId": "DOC-2345"

},

"runtimeConfig": {

"timeoutSeconds": 300,

"retries": 2

}

}

**JSON / JPA Hibernate**

@Type(type = "jsonb")

@Column(columnDefinition = "jsonb")

private Map<String, Object> metadata;