**MY-GIS-APP Web application Development**

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## Check and update table srid

* SELECT ST\_SRID (shape) FROM ed\_pole LIMIT 1;
* UPDATE ed\_pole SET shape = ST\_SetSRID (shape, 4326)

## Create event trigger function and event trigger

* **While I export data from smallworld to postgres using javainterop module, table set srid to 0 default so unable to view layer in map. So, I set srid to 4326 using event trigger**

### create event trigger function

CREATE OR REPLACE FUNCTION set\_srid\_on\_table\_creation()

RETURNS event\_trigger AS $$

DECLARE

table\_name text;

geometry\_column text;

BEGIN

-- Get the name of the newly created table from the event

table\_name := TG\_TABLE\_NAME;

-- Dynamically fetch the geometry column name for the created table

SELECT column\_name

INTO geometry\_column

FROM information\_schema.columns

WHERE table\_name = table\_name

AND data\_type = 'geometry'

LIMIT 1;

-- If a geometry column is found, set the SRID to 4326

IF geometry\_column IS NOT NULL THEN

EXECUTE format(

'UPDATE %I SET %I = ST\_SetSRID(%I, 4326) WHERE ST\_SRID(%I) != 4326',

table\_name, geometry\_column, geometry\_column, geometry\_column

);

END IF;

END;

$$ LANGUAGE plpgsql;

### Create event trigger

CREATE EVENT TRIGGER set\_srid\_on\_table\_creation\_trigger

ON ddl\_command\_end

WHEN TAG IN ('CREATE TABLE')

EXECUTE FUNCTION set\_srid\_on\_table\_creation();