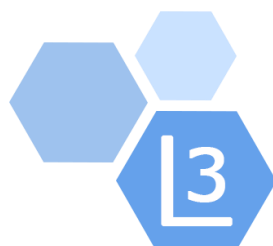


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Comune di Bari

Manuale Installazione e Gestione

“Servizi di interoperabilità per i dati e di
cooperazione applicativa”

Gestionale Manutenzione Strade - Traslochi

Ver.	Elabora	Verifica	Approva	Data emissione	Descrizione delle modifiche
1.0	GdL	D. Spadafora		19/09/2022	Prima stesura

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1 INTRODUZIONE

1.1 Premessa

Il Comune di Bari ha avviato un percorso programmatico (“Bari Smart City”) finalizzato alla conversione della propria realtà urbana a “smart” mediante l’attuazione di interventi finalizzati al miglioramento della qualità della vita dei cittadini rendendo al contempo più sostenibile la città dal punto di vista energetico. Tali interventi hanno come obiettivi principali quello di potenziare il processo in corso di dematerializzazione dei procedimenti tecnici ed amministrativi (e-government), il miglioramento dell’erogazione dei servizi al cittadino in termini di efficienza ed efficacia, il rinnovamento e l’efficientamento dei servizi pubblici. In coerenza con la programmazione nazionale/regionale in ambito “Città e comunità intelligenti” ed in linea con gli obiettivi dell’Agenda Digitale dell’amministrazione comunale, il progetto “Città Connessa: Sistema Informativo per il controllo degli oggetti” persegue l’obiettivo di realizzare una piattaforma nella quale sono descritti e monitorati dati, metadati e riferimenti geospaziali degli oggetti della città ed i servizi connessi, in maniera omogenea e integrata. In tale ambito si innesta il seguente progetto che prevede la realizzazione di una applicazione “Gestionale Manutenzione Strade – Traslochi” per la gestione dei cantieri stradali e dei traslochi sul territorio urbano.

1.2 Scopo

Il presente documento descrive l’infrastruttura di base e le operazioni per il riavvio e il controllo dei servizi della piattaforma Gestionale Manutenzione Strade – Traslochi.

1.3 Campo di applicazione

1.4 Assunzioni

Non applicabile

1.5 Riferimenti

Identificativo	Titolo/Descrizione
Contratto Quadro del 31/03/2017 e relativi allegati	Contratto Quadro del 31/03/2017 relativo all’Appalto dei servizi di interoperabilità per i dati e di cooperazione applicativa (lotto 3) in favore delle PA.

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Contratto Esecutivo e relativi allegati	Contratto Esecutivo del 18/06/2018 e allegato Progetto dei fabbisogni
Verbale di avvio dell'esecuzione	Verbale di avvio dell'esecuzione del contratto « SPCL3Città Connessa-Verbale avvio contratto_2018 07 03» del 03/07/2018
Addendum Contrattuale del 03/10/2019	SPCL3 - Citta Connessa - Addendum Contratto CIG 752127614E
Addendum Contrattuale del 11/06/2021	SPCL3-Bari-Città-Connessa-AddendumAggiornamentoPrF.EstensioneTemporale.v1.0.0
Addendum Contrattuale del 18/03/2022	Addendum_SPC_L3_PROROGAex_art.5.2_Comune_di_Bari_-_Città_Connessa
Progetto dei Fabbisogni v 4.0 (ultimo aggiornamento)	SPCL3-Bari-Città-Connessa-ProgettoFabbisogni_V4.0 del 03/03/2022
Specifica dei Requisiti	SPLC3-CittaConnessa-ManutenzioneStrade-Traslochi-SpecificaRequisiti.1.0

1.6 Acronimi e glossario

Definizione / Acronimo	Descrizione
AgID	Agenzia per l'Italia Digitale
Consip	Consip S.p.a.
RTI	Raggruppamento Temporaneo d'Impresa
SPC	Sistema Pubblico di Connettività
IoT	Internet of Things
SIS	Sistema Informativo Settoriale
CAD	Codice dell'Amministrazione Digitale
ESB	Enterprise Service Bus

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2 INTRODUZIONE

Il Gestionale Manutenzione Strade e Traslochi è un'applicazione web disponibile all'indirizzo <http://10.10.85.157/manutenzioneStrade/>

Tale applicazione ha un accesso pubblico libero con accesso limitato alle informazioni e alle funzionalità; per poter accedere a tutti i dati e le funzioni bisogna effettuare il login attraverso il pulsante "Login".

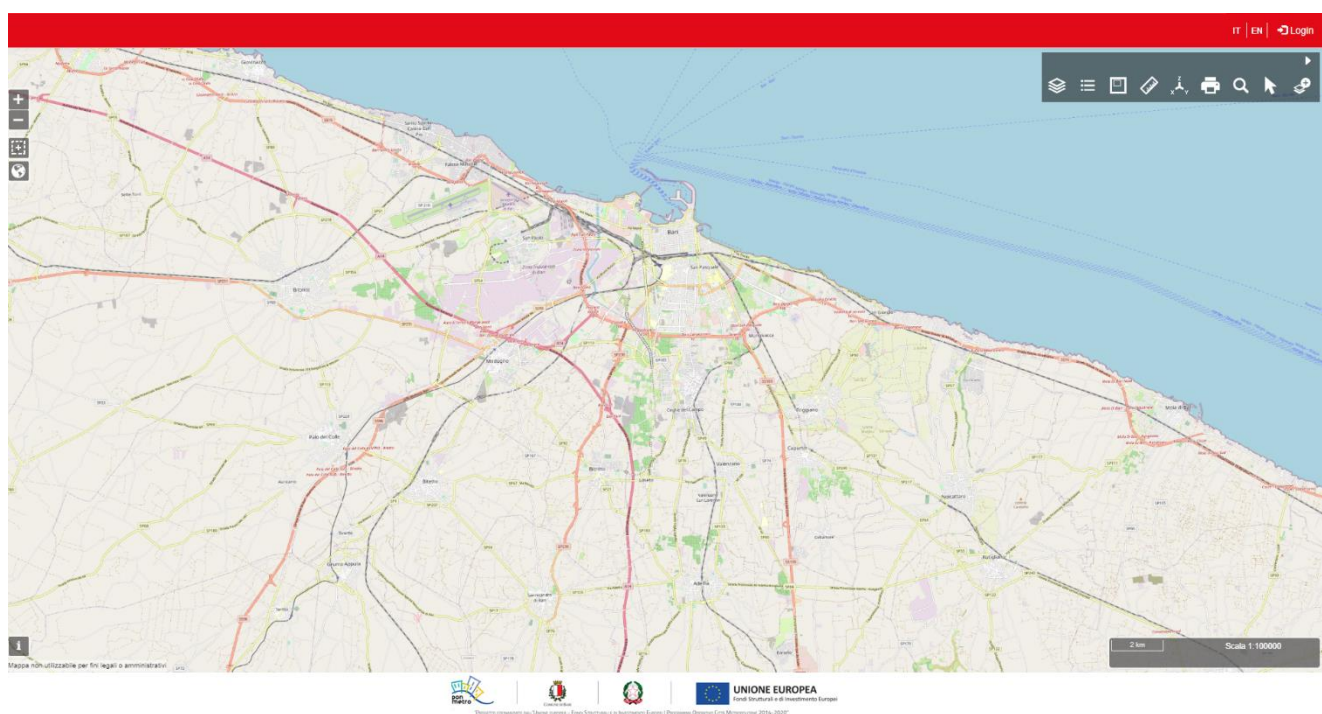


Figura 1. Home page dell'applicazione

Dopo aver effettuato il login il sistema mostrerà il menu a cui si ha accesso e le informazioni cartografiche abilitate:

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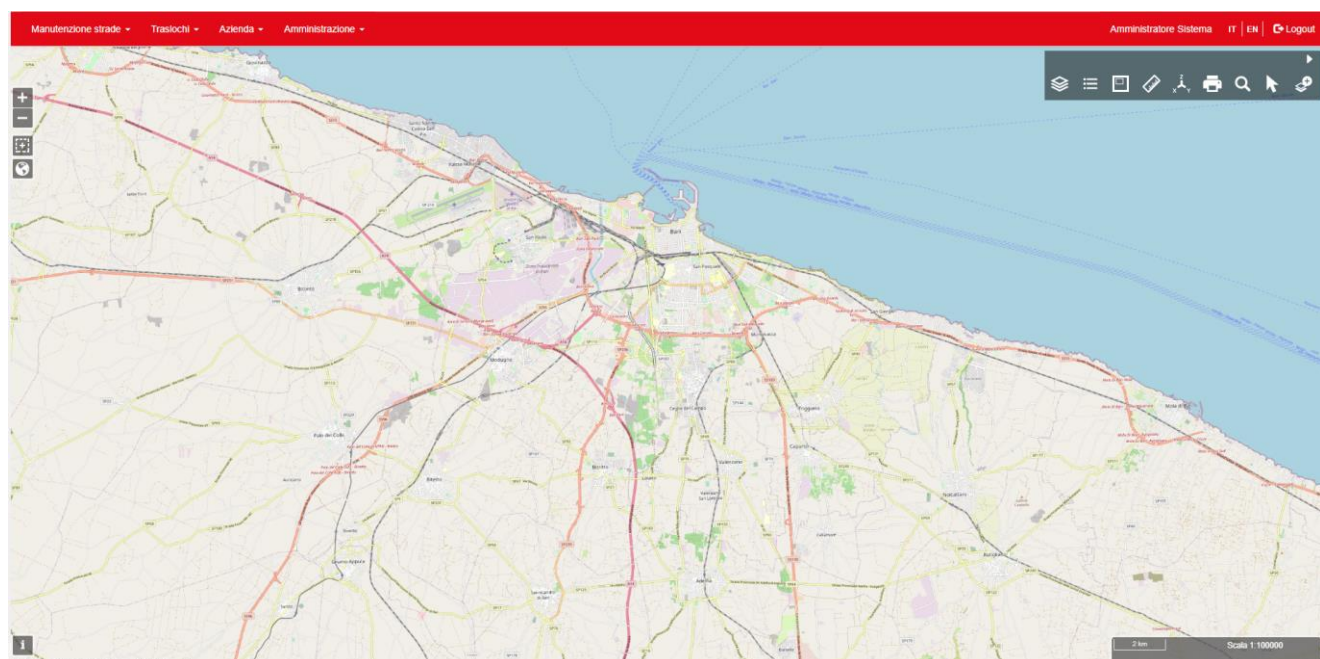


Figura 2. Applicazione dopo il login

Nella barra del menu in alto a destra è possibile visualizzare i seguenti menu:

Amministratore Sistema	Consente di accedere alla finestra con le proprie informazioni personali e nella quale è possibile modificare la password di accesso dell'utente loggato
Logout	Il pulsante Logout consente di uscire dal sistema
IT EN	La barra con le lingue permette di selezionare la lingua di visualizzazione dell'applicazione

In alto a sinistra vi è il menu con tutte le funzionalità raccolte per macro aree che variano in base ai permessi dell'utente loggato:

- **Amministrazione:** la sezione di amministrazione consente (agli utenti amministratori del sistema) la configurazione degli accessi all'applicazione e la configurazione dei layer cartografici dell'applicazione.
- **Cantieri:** Permette la gestione delle manutenzioni stradali con la possibilità di inserimento da parte delle aziende e gestione da parte dei funzionari comunali.
- **Traslochi:** Permette la gestione dei traslochi con la possibilità di inserimento da parte delle aziende e gestione da parte dei funzionari comunali.
- **Azienda:** consente la definizione delle anagrafiche delle aziende con caricamento di concessione relativa al trasloco.

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3 SPECIFICA INFRASTRUTTURALE

Nell’immagine a seguire si riporta il disegno architettuale della soluzione applicativa oggetto di implementazione.

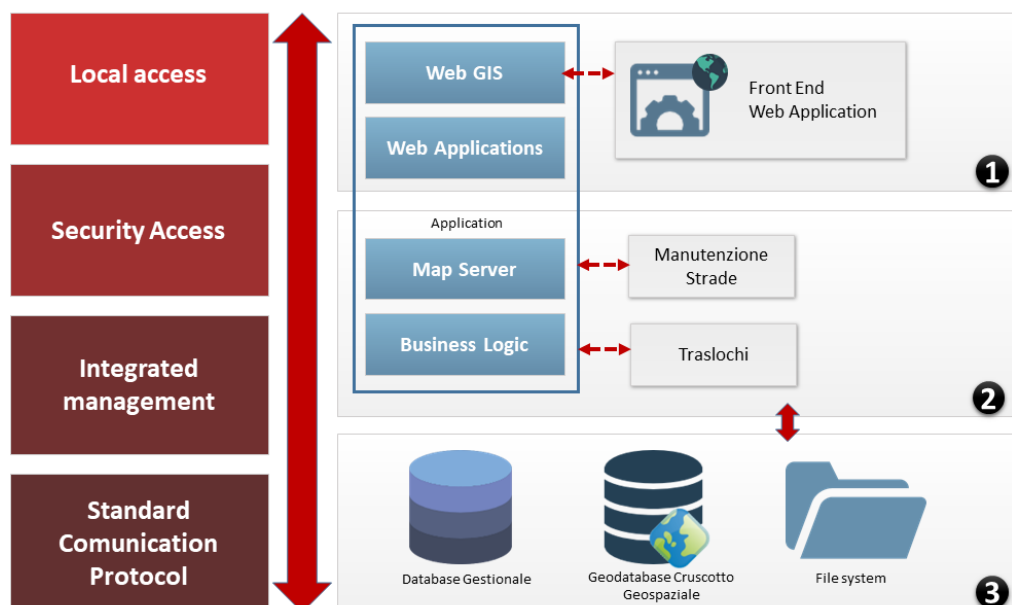


Figure 1. Architettura applicativa

La figura in alto mostra il disegno architettuale della soluzione “Piattaforma gestionale Manutenzione Strade e Traslochi” del Comune di Bari.

La figura evidenzia il modello architettuale proposto, di cui si descrivono di seguito le singole componenti.

1. **Presentation Layer:** rappresenta l’interfaccia utente dell’applicazione, responsabile della gestione delle interazioni con l’utente, della navigazione tra le pagine e dell’invocazione dei servizi di business forniti dal layer applicativo. Tale livello dei service consumer, destinato all’interazione con utenti finali e sistemi esterni mediante servizi semplici o aggregati, è l’insieme delle funzioni che permette agli utenti finali di poter fruire dei servizi applicativi previsti dalla fornitura. Tale livello consente l’accesso agli utenti e, in generale, a tutti gli stakeholders in base a ben determinati profili di utilizzo e di accesso, favorendo in questo modo l’utilizzo professionale dei servizi e delle funzionalità.
2. **Business Layer:** rappresenta il livello di business logic, cioè fornisce la logica dell’applicazione. Tutte le elaborazioni sono svolte da questo livello ed il risultato viene inviato al livello di presentation per le operazioni di visualizzazione. Si occupa tra l’altro dell’analisi ed elaborazione dei dati presenti, del

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corretto ed efficiente utilizzo del DB, della preparazione e formattazione dei dati, dell'interfacciamento verso i sistemi esterni, della gestione delle richieste inoltrate ai vari moduli funzionali dell'architettura. Fornisce anche il livello API REST che consente l'esposizione dei servizi della piattaforma a beneficio di sistemi informativi esterni o di altri moduli locali. Tali servizi, realizzati in architettura multi-tenant risultano strutturalmente predisposti al deployment in ambiente distribuito e possono essere fruiti nella loro formulazione standard o recepire istanze corrispondenti alla composizione/orchestratura di nuovi processi di business e/o workflow generate dai consumers. L'architettura multi-tenant consente una separazione logica degli ambiti applicativi e di dati per una molteplicità di soggetti che operano sul medesimo sistema.

3. Data Layer: rappresenta il livello dedicato alla memorizzazione dei dati manipolati nell'ambito delle diverse funzionalità, in cui trovano posto le componenti che rendono persistenti i dati delle applicazioni (geodatabase, file system, ecc.).

3.1 Front end

L'applicazione di front end sarà pubblicata sul web server Apache. Per lo sviluppo delle interfacce di front end si sono adottati framework javascript, fra i principali AngularJs e OpenLayers per le component di Web Gis.

Il front end comunica con il back-end attraverso il protocollo HTTP e il formato usato per la comunicazione e l'interscambio dati è JSON/GEOJSON su HTTP.

3.2 Business (back end)

Il back end racchiude tutte le componenti applicative di business logic che vanno ad implementare le funzionalità previste dalla soluzione applicativa. Lo sviluppo del back end si basa sull'utilizzo del framework open source Node.JS, che permette di utilizzare il linguaggio javascript, tipicamente utilizzato nella "client-side", anche per la scrittura di applicazioni "server-side".

Una delle componenti principali del back end è il modulo di gestione delle entità che rappresenta l'astrazione del livello dei dati (non geografici) nell'architettura del sistema di centrale in quanto fornisce una rappresentazione a oggetti dei dati del dominio e l'astrazione del DBMS adottato, ovvero l'assoluta indipendenza delle funzioni dell'applicazione dal RDBMS.

I servizi di cooperazione applicative sono sviluppati in Java, per cui tali moduli risiedono sotto l'application server Apache Tomcat.

3.3 Map server

Il map server utilizzato per il progetto è GeoServer. GeoServer è un server GeoSpaziale Open Source scritto in Java, seguendo le comuni pratiche Java Enterprise, per la gestione, disseminazione e analisi di dati geospaziali. Esso permette di distribuire, manipolare e analizzare i dati usando i più diffusi standard OGC (WMS, WFS, WCS,

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WPS), senza però dimenticare gli ormai diffusi approcci basati su protocolli REST e GeoJSON per la distribuzione semplificata di semplici dati vettoriali.

3.4 Database

La soluzione proposta si basa su RDBMS **PostgreSQL**, caratterizzato da robustezza, performance e scalabilità. PostgreSQL è un database relazionale ad oggetti rilasciato con licenza libera. Rappresenta un'ottima alternativa ai database tradizionali di carattere proprietario, e per alcuni aspetti, è all'avanguardia rispetto ai database a codice chiuso.

PostgreSQL supporta il linguaggio SQL per eseguire query sui dati. A differenza di altri database, è altamente programmabile poichè utilizza una grande varietà di linguaggi. E' possibile inserire codice sul server attraverso funzioni, altresì dette stored procedures. Le funzioni di programmazione possono essere eseguite con diversi livelli di autorizzazioni. Inoltre, è possibile eseguire eventi "triggers" collegati ad istruzioni SQL. I dati cartografici di natura vettoriale sono memorizzati anch'essi nella base dati PostgreSQL, per mezzo dell'estensione spaziale **PostGIS**. L'estensione spaziale, PostGIS, si integra in maniera nativa con l'RDBMS PostgreSQL e introduce i tipi di dato geometrico e le funzioni per lavorare con essi. PostGIS rappresenta l'estensione spaziale più matura nel mondo dell'Open Source. Grazie all'adesione agli standard OGC viene garantito l'efficiente scambio di informazioni tra applicazioni viene semplificata la gestione del dato georiferito.

4 PROCEDURA DI INSTALLAZIONE

A seguire le istruzioni per il deploy e la configurazione dell'applicazione:

1. Predisposizione di 4 macchine virtuali con Sistema operativo Linux Ubuntu LTS con il seguente dimensionamento consigliato

	Web-server	Application server	Map-server	DB-server
Sistema Operativo	Linux Ubuntu LTS	Linux Ubuntu LTS	Linux Ubuntu LTS	Linux Ubuntu LTS
Num. Processori (core)	2	4	8	4
RAM (GB)	4	8	16	8
Storage (GB)	50	100	300	300
Principali applicativi installati	Apache	Tomcat Node.JS	Tomcat GeoServer	PostgreSQL PostGIS

DATABASE

1. Installazione del database PostgreSQL versione 10;
2. Installazione dell'estensione spaziale PostGIS 2.4;
3. Creazione del database (cantieri) ed abilitazione dell'estensione spaziale PostGIS;
4. Import del dump disponibile nella cartella dump del pacchetto di installazione (utenza di default postgres/postgres);

MAP SERVER (utilizzato lo stesso map server del cruscotto geospaziale: geoserver)

1. Creazione del workspace "cantieri";
2. Creazione dei seguenti store nel workspace "cantieri":
 - a. public (per schema public del database postgresSQL)
3. Creazione dei seguenti layers (sempre nel workspace "cantieri");



APPLICATION SERVER (utilizzato ambiente Node utilizzato per cruscotto geospaziale)

1. Copia dal sorgente della cartella di backend Cantieri

```
geosp@appsrv-geosp:~/Cantieri$ ll
totale 112
-rwxrwxr-x 1 geosp geosp 1152 mar 23 2021 configure.sh
drwxrwxr-x 7 geosp geosp 4096 lug 28 10:48 EntityManager
drwxrwxr-x 3 geosp geosp 4096 ago 31 09:39 EventEngine
drwxrwxr-x 27 geosp geosp 4096 ago 31 12:14 node_modules
drwxrwxr-x 210 geosp geosp 12288 ago 31 11:34 node_modules.8
-rw-rw-r-- 1 geosp geosp 1094 ago 31 12:01 package.json
-rw-rw-r-- 1 geosp geosp 995 apr 12 2019 package.json.default
-rw-rw-r-- 1 geosp geosp 77692 ago 31 11:34 package-lock.json
geosp@appsrv-geosp:~/Cantieri$
```

2. Aggiornamento del file di configurazione *node_modules/config/config.json*:
 - a. directory dei files di log (Log -> path)
 - b. indirizzo e porta del processo reader (EReader -> host,port)
 - c. indirizzo e porta del processo writer (EWriter -> host,port)
 - d. indirizzo, porta e workspace del map server (MaspServer -> host,port,workspace)
3. Aggiornamento del file di configurazione *node_modules/config/emConf.json*:
 - a. dati di accesso al database postgre (crud -> db)
 - b. directory per il salvataggio degli allegati (attachment -> path)
4. Spostarsi nella directory *EntityManager/reader* ed avviare il processo con il comando:
node reader &
5. Spostarsi nella directory *EntityManager/writer* ed avviare il processo con il comando:
node writer &
6. Installazione di Tomcat 8.5
7. Deploy su tomcat del war della print servlet di Mapfish (print-servlet.3.18.4.war) con creazione del link simbolico print che punta a print-servlet.3.18.4

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8. Creazione della directory print_CANTIERI all'interno di print-servlet-3.18.4/print-apps sotto Tomcat in cui vanno copiati:
 - a. Il file yaml di configurazione della stampa della mappa;
 - b. I template jrxml dei formati di stampa previsti;
 - c. Il logo dell'applicazione che verrà riprodotto in fase di stampa (nella directory print-servlet-3.18.4/print-apps/print_CANTIERI/resources). Il file del logo deve essere in formato png e chiamarsi logo.png

WEB SERVER (utilizzo dello stesso web server del cruscotto geospaziale)

1. Creazione dei seguenti proxy:
 - a. /er/* per applicazione di backend (processo reader)
 - b. /ew/* per applicazione di backend (processo writer)
 - c. /gs/* per geoserver
 - d. /as/* per applicazione di stampa mappa
2. Scompattare la cartella cantieri e copiare la cartella con i binary nella webroot di apache

4.1 Verifica dei servizi e dei log

È possibile verificare lo stato dei servizi verificando i processi node attivi sulla macchina di application server (considerando cruscotto geospaziale e gestionale manutenzione strade e traslochi)

```

geosp@appsrv-geosp:~/Cantieri$ ps ax | grep node
19839 ?        S1      0:02 node reader.js
19840 ?        S1      0:01 node reader.js
19861 ?        S1      0:00 node writer.js
19862 ?        S1      0:00 node writer.js
19883 ?        S1      0:00 node wso2Check.js
19899 ?        S1      0:00 node event-engine.js
31875 pts/0    S+      0:00 grep --color=auto node
geosp@appsrv-geosp:~/Cantieri$

```

I log applicativi sono disponibili in var/log/cantieri

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```
geosp@appsrv-geosp:~/cantieri$ cd /var/log/cantieri/
geosp@appsrv-geosp:/var/log/cantieri$ ll
totale 2336
-rw-r--r-- 1 geosp geosp 2240020 set 19 18:45 entityReader.log
-rw-r--r-- 1 geosp geosp 111593 set 19 18:40 entityWriter.log
-rw-r--r-- 1 geosp geosp 21762 set 19 18:48 eventEngine.log
geosp@appsrv-geosp:/var/log/cantieri$
```

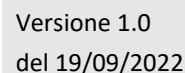
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5 MODELLO DATI

La progettazione concettuale è volta a modellare le entità dei due domini applicativi -manutenzione strade e traslochi- con le loro strutture e vincoli, e tiene conto anche di come gli utenti interagiscono con tali entità, ovvero delle operazioni che effettuano su di esse. In fase di progettazione si è proceduto con:

- Identificazione delle entità, ovvero gli oggetti della realtà applicativa di interesse;
- Identificazione delle associazioni tra queste (ovvero le corrispondenze tra gli elementi di due o più entità) e le loro proprietà;
- identificazione gli attributi delle entità (ovvero le loro proprietà significative ai fini della descrizione della realtà applicativa di interesse) e le loro tipologie;
- identificazione dei vincoli di integrità;

Si riporta a seguire lo schema ER derivato:



Si riporta a seguire listato SQL:

```
CREATE SCHEMA public;

ALTER SCHEMA public OWNER TO postgres;

--
-- TOC entry 4805 (class 0 OID 0)
-- Dependencies: 4
-- Name: SCHEMA public; Type: COMMENT; Schema: -; Owner: postgres
--

COMMENT ON SCHEMA public IS 'standard public schema';

--
-- TOC entry 1513 (class 1255 OID 163757)
-- Name: get_geom_from_lat_lon(); Type: FUNCTION; Schema: public; Owner: postgres
--

CREATE FUNCTION public.get_geom_from_lat_lon() RETURNS trigger
    LANGUAGE plpgsql STRICT
    AS $$

DECLARE
    geom geometry;
    srid int;
BEGIN
    -- retrieve srid
    SELECT Find_SRID(quote_ident(TG_TABLE_SCHEMA), quote_ident(TG_TABLE_NAME), 'geom') INTO srid;
    -- debug RAISE NOTICE 'srid: %',srid;

    -- on insert calculate geom
    IF (TG_OP = 'INSERT') THEN
        SELECT ST_SetSRID(ST_MakePoint(NEW.lon, NEW.lat), srid) INTO geom;
        -- debug RAISE NOTICE 'insert geom: %',geom;
        NEW.geom = geom;
    ELSEIF (TG_OP = 'UPDATE') THEN
        -- on update check for calculate geom
        IF (NEW.lon <> OLD.lon OR NEW.lat <> OLD.lat) THEN
            SELECT ST_SetSRID(ST_MakePoint(NEW.lon, NEW.lat), srid) INTO geom;
            -- debug RAISE NOTICE 'update geom: %',geom;
            NEW.geom = geom;
        END IF;
    END IF;

    RETURN NEW;
END;
$$;

ALTER FUNCTION public.get_geom_from_lat_lon() OWNER TO postgres;

--
-- TOC entry 1514 (class 1255 OID 163758)
-- Name: get_geom_from_xy(); Type: FUNCTION; Schema: public; Owner: user_cantieri
--

CREATE FUNCTION public.get_geom_from_xy() RETURNS trigger
    LANGUAGE plpgsql STRICT
    AS $$

DECLARE
    geom geometry;
    srid int;
    x double precision;
    y double precision;
BEGIN
    -- initialization
```

```
x = NULL;
y = NULL;

-- retrieve srid
SELECT Find_SRID(quote_ident(TG_TABLE_SCHEMA), quote_ident(TG_TABLE_NAME), 'geom') INTO srid;
-- debug RAISE NOTICE 'srid: %',srid;

-- on insert calculate geom
IF (TG_OP = 'INSERT') THEN
-- if coords are both valuated then we set geom
IF (NEW.x IS NOT NULL) THEN
SELECT ST_SetSRID(ST_MakePoint(NEW.x, NEW.y), srid) INTO geom;
-- debug RAISE NOTICE 'insert geom: %',geom;
NEW.geom = geom;
END IF;
ELSEIF (TG_OP = 'UPDATE') THEN

IF (OLD.geom IS NULL) THEN
-- if OLD geom is null and NEW coords are not null
IF (NEW.x IS NOT NULL) THEN
x = NEW.x;
y = NEW.y;
END IF;

ELSE
-- if OLD geom is not null and NEW coords are not null
IF (NEW.x IS NOT NULL OR NEW.y IS NOT NULL) THEN
IF (NEW.x IS NULL) THEN
x = OLD.x;
y = NEW.y;
ELSEIF (NEW.y IS NULL) THEN
x = NEW.x;
y = OLD.y;
ELSE
x = NEW.x;
y = NEW.y;
END IF;
ELSE
-- we receive y and x both NULL -> update geom to NULL
NEW.geom = NULL;
END IF;

END IF;

IF (y IS NOT NULL) THEN
SELECT ST_SetSRID(ST_MakePoint(x, y), srid) INTO geom;
NEW.geom = geom;
NEW.y = y;
NEW.x = x;
END IF;

END IF;

RETURN NEW;
END;
$$;

ALTER FUNCTION public.get_geom_from_xy() OWNER TO user_cantieri;

SET default_tablespace = '';

--
-- TOC entry 216 (class 1259 OID 163777)
-- Name: authority; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.authority (
id smallint NOT NULL,
```

```

name character varying(128),
geom public.geometry(MultiPolygon,32633),
vat character varying(11),
enabled boolean DEFAULT true NOT NULL,
function_id smallint,
address character varying(512),
address_number character varying(16),
municipality character varying(256),
phone character varying(128),
approved_user_id smallint,
approved_date timestamp with time zone
);

ALTER TABLE public.authority OWNER TO user_cantieri;

--
-- TOC entry 217 (class 1259 OID 163784)
-- Name: authority_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.authority_id_seq
AS smallint
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.authority_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4806 (class 0 OID 0)
-- Dependencies: 217
-- Name: authority_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.authority_id_seq OWNED BY public.authority.id;

--
-- TOC entry 218 (class 1259 OID 163786)
-- Name: authorization; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public."authorization" (
id integer NOT NULL,
start_date timestamp with time zone,
end_date timestamp with time zone,
auth_protocol character varying(128),
auth_attach character varying(512),
authority_id smallint
);

ALTER TABLE public."authorization" OWNER TO user_cantieri;

--
-- TOC entry 219 (class 1259 OID 163792)
-- Name: authorization_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.authorization_id_seq
AS integer
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE

```

```

CACHE 1;

ALTER TABLE public.authorization_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4807 (class 0 OID 0)
-- Dependencies: 219
-- Name: authorization_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.authorization_id_seq OWNED BY public."authorization".id;

--
-- TOC entry 220 (class 1259 OID 163794)
-- Name: ctx_function; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.ctx_function (
    id smallint NOT NULL,
    name character varying(512)
);

ALTER TABLE public.ctx_function OWNER TO user_cantieri;

--
-- TOC entry 221 (class 1259 OID 163800)
-- Name: ctx_function_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.ctx_function_id_seq
    AS smallint
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.ctx_function_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4808 (class 0 OID 0)
-- Dependencies: 221
-- Name: ctx_function_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.ctx_function_id_seq OWNED BY public.ctx_function.id;

--
-- TOC entry 222 (class 1259 OID 163802)
-- Name: ctx_title; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.ctx_title (
    id smallint NOT NULL,
    name character varying(512)
);

ALTER TABLE public.ctx_title OWNER TO user_cantieri;

--
-- TOC entry 223 (class 1259 OID 163808)
-- Name: ctx_title_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

```

```
CREATE SEQUENCE public.ctx_title_id_seq
AS smallint
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.ctx_title_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4809 (class 0 OID 0)
-- Dependencies: 223
-- Name: ctx_title_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.ctx_title_id_seq OWNED BY public.ctx_title.id;

--
-- TOC entry 224 (class 1259 OID 163810)
-- Name: event; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.event (
    id integer NOT NULL,
    group_id integer,
    type_id smallint NOT NULL,
    status_id smallint DEFAULT 0 NOT NULL,
    source character varying(64),
    message character varying(128),
    date timestamp with time zone DEFAULT now(),
    detail json,
    lat double precision,
    lon double precision,
    show_timeline smallint
);

ALTER TABLE public.event OWNER TO user_cantieri;

--
-- TOC entry 225 (class 1259 OID 163818)
-- Name: event_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.event_id_seq
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.event_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4810 (class 0 OID 0)
-- Dependencies: 225
-- Name: event_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.event_id_seq OWNED BY public.event.id;

--
-- TOC entry 226 (class 1259 OID 163820)
```

```
-- Name: event_type; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.event_type (
    id integer NOT NULL,
    name character varying,
    descr character varying
);

ALTER TABLE public.event_type OWNER TO user_cantieri;

--
-- TOC entry 227 (class 1259 OID 163826)
-- Name: event_type_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.event_type_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.event_type_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4811 (class 0 OID 0)
-- Dependencies: 227
-- Name: event_type_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.event_type_id_seq OWNED BY public.event_type.id;

--
-- TOC entry 228 (class 1259 OID 163828)
-- Name: event_type_permission; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.event_type_permission (
    event_type_id integer NOT NULL,
    permission_id integer NOT NULL
);

ALTER TABLE public.event_type_permission OWNER TO user_cantieri;

--
-- TOC entry 229 (class 1259 OID 163831)
-- Name: i18n; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.i18n (
    id integer NOT NULL,
    object_key character varying(64),
    parent_id integer,
    depth smallint
);

ALTER TABLE public.i18n OWNER TO user_cantieri;

--
-- TOC entry 230 (class 1259 OID 163834)
-- Name: i18n_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--
```

```
CREATE SEQUENCE public.il8n_id_seq
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;

ALTER TABLE public.il8n_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4812 (class 0 OID 0)
-- Dependencies: 230
-- Name: il8n_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.il8n_id_seq OWNED BY public.il8n.id;

--
-- TOC entry 231 (class 1259 OID 163836)
-- Name: il8n_string; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.il8n_string (
  id integer NOT NULL,
  object_id integer NOT NULL,
  label_key character varying(64),
  it character varying(256) DEFAULT '::character varying',
  en character varying(256) DEFAULT '::character varying'
);

ALTER TABLE public.il8n_string OWNER TO user_cantieri;

--
-- TOC entry 232 (class 1259 OID 163844)
-- Name: il8n_string_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.il8n_string_id_seq
  START WITH 1
  INCREMENT BY 1
  NO MINVALUE
  NO MAXVALUE
  CACHE 1;

ALTER TABLE public.il8n_string_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4813 (class 0 OID 0)
-- Dependencies: 232
-- Name: il8n_string_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.il8n_string_id_seq OWNED BY public.il8n_string.id;

--
-- TOC entry 233 (class 1259 OID 163846)
-- Name: menu; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.menu (
  id integer NOT NULL,
  label character varying(128),
  enabled boolean,
  "position" integer,
```



```

        icon character varying(256),
        key character varying,
        "group" integer
    );

ALTER TABLE public.menu OWNER TO user_cantieri;

--
-- TOC entry 234 (class 1259 OID 163852)
-- Name: menu_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.menu_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.menu_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4814 (class 0 OID 0)
-- Dependencies: 234
-- Name: menu_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.menu_id_seq OWNED BY public.menu.id;

--
-- TOC entry 235 (class 1259 OID 163854)
-- Name: menu_item; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.menu_item (
    id integer NOT NULL,
    id_group integer,
    label character varying(128),
    tooltip character varying(128),
    image character varying(128),
    app_name character varying(128),
    action character varying(128),
    params character varying(128),
    shortcut boolean,
    "position" integer
);

ALTER TABLE public.menu_item OWNER TO user_cantieri;

--
-- TOC entry 236 (class 1259 OID 163860)
-- Name: menu_item_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.menu_item_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.menu_item_id_seq OWNER TO user_cantieri;

```

```
-- TOC entry 4815 (class 0 OID 0)
-- Dependencies: 236
-- Name: menu_item_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--
```

```
ALTER SEQUENCE public.menu_item_id_seq OWNED BY public.menu_item.id;
```

```
--
-- TOC entry 276 (class 1259 OID 164489)
-- Name: move; Type: TABLE; Schema: public; Owner: user_cantieri
--
```

```
CREATE TABLE public.move (
    id integer NOT NULL,
    open_user_id integer,
    authority_id smallint,
    email character varying(256),
    request_date timestamp with time zone,
    request_year smallint,
    address character varying(512),
    x double precision,
    y double precision,
    note character varying(512),
    status_id smallint,
    geom public.geometry(Point,32633),
    start_date timestamp with time zone,
    end_date timestamp with time zone,
    number_from character varying(8),
    number_to character varying(8),
    signage_date timestamp with time zone,
    signage_address character varying(256),
    signage_num_from character varying(8),
    signage_num_to character varying(8),
    vehicle_num integer,
    vehicle_plate character varying(256),
    place character varying(256),
    signage_place character varying(256),
    signage_base character varying(256),
    signage_position_id smallint,
    control_date timestamp with time zone,
    control_team character varying(256),
    manage_user_id integer,
    manage_date timestamp with time zone,
    approved_user_id integer,
    approved_date timestamp with time zone,
    signage_num_bags integer,
    signage_bag_other character varying(256)
);
```

```
ALTER TABLE public.move OWNER TO user_cantieri;
```

```
--
-- TOC entry 278 (class 1259 OID 164524)
-- Name: move_attach; Type: TABLE; Schema: public; Owner: user_cantieri
--
```

```
CREATE TABLE public.move_attach (
    id integer NOT NULL,
    name character varying(128) NOT NULL,
    descr character varying(512),
    size integer,
    insert_date timestamp with time zone DEFAULT now(),
    entity_id integer NOT NULL
);
```

```
ALTER TABLE public.move_attach OWNER TO user_cantieri;
```

```
--
-- TOC entry 277 (class 1259 OID 164522)
-- Name: move_attach_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.move_attach_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.move_attach_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4816 (class 0 OID 0)
-- Dependencies: 277
-- Name: move_attach_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.move_attach_id_seq OWNED BY public.move_attach.id;

--
-- TOC entry 275 (class 1259 OID 164487)
-- Name: move_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.move_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.move_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4817 (class 0 OID 0)
-- Dependencies: 275
-- Name: move_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.move_id_seq OWNED BY public.move.id;

--
-- TOC entry 237 (class 1259 OID 163870)
-- Name: move_signage_position; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.move_signage_position (
    id smallint NOT NULL,
    name character varying(512)
);

ALTER TABLE public.move_signage_position OWNER TO user_cantieri;

--
-- TOC entry 238 (class 1259 OID 163876)
-- Name: move_signage_position_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--
```

```
CREATE SEQUENCE public.move_signage_position_id_seq
AS smallint
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.move_signage_position_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4818 (class 0 OID 0)
-- Dependencies: 238
-- Name: move_signage_position_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.move_signage_position_id_seq OWNED BY public.move_signage_position.id;

--
-- TOC entry 239 (class 1259 OID 163878)
-- Name: move_status; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.move_status (
    id smallint NOT NULL,
    name character varying(512)
);

ALTER TABLE public.move_status OWNER TO user_cantieri;

--
-- TOC entry 240 (class 1259 OID 163884)
-- Name: move_status_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.move_status_id_seq
AS smallint
START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.move_status_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4819 (class 0 OID 0)
-- Dependencies: 240
-- Name: move_status_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.move_status_id_seq OWNED BY public.move_status.id;

--
-- TOC entry 241 (class 1259 OID 163886)
-- Name: permission; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.permission (
    id integer NOT NULL,
    name character varying(64) NOT NULL,
    description character varying(128) NOT NULL,
    app_name character varying(32) NOT NULL,
```

```

    app_desc character varying(64) NOT NULL,
    menu_item_id integer
);

ALTER TABLE public.permission OWNER TO user_cantieri;

--
-- TOC entry 242 (class 1259 OID 163889)
-- Name: permission_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.permission_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.permission_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4820 (class 0 OID 0)
-- Dependencies: 242
-- Name: permission_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.permission_id_seq OWNED BY public.permission.id;

--
-- TOC entry 243 (class 1259 OID 163891)
-- Name: permission_role; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.permission_role (
    permission_id integer NOT NULL,
    role_id integer NOT NULL
);

ALTER TABLE public.permission_role OWNER TO user_cantieri;

--
-- TOC entry 272 (class 1259 OID 164375)
-- Name: registration; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.registration (
    id integer NOT NULL,
    authority_id integer,
    user_id integer,
    approved_user_id smallint,
    approved_date timestamp with time zone,
    approved boolean DEFAULT false NOT NULL
);

ALTER TABLE public.registration OWNER TO user_cantieri;

--
-- TOC entry 273 (class 1259 OID 164379)
-- Name: registration_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.registration_id_seq
    AS integer
    START WITH 1

```

```
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;
```

```
ALTER TABLE public.registration_id_seq OWNER TO user_cantieri;
```

```
--
-- TOC entry 4821 (class 0 OID 0)
-- Dependencies: 273
-- Name: registration_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--
```

```
ALTER SEQUENCE public.registration_id_seq OWNED BY public.registration.id;
```

```
--
-- TOC entry 244 (class 1259 OID 163894)
-- Name: roadsite; Type: TABLE; Schema: public; Owner: user_cantieri
--
```

```
CREATE TABLE public.roadsite (
    id integer NOT NULL,
    open_user_id integer,
    authority_id smallint,
    email character varying(256),
    request_date timestamp with time zone,
    request_year smallint,
    address character varying(512),
    note character varying(512),
    project_attach character varying(256),
    authorization_attach character varying(256),
    coord_communication_attach character varying(256),
    protocol_request_date timestamp with time zone,
    protocol_request_number character varying(128),
    status_id smallint,
    approved_user_id integer,
    approved_attach character varying(256),
    geom public.geometry(Geometry,32633),
    protocol_approved_number character varying(128),
    protocol_approved_date timestamp with time zone,
    start_date timestamp with time zone,
    end_date timestamp with time zone,
    protocol_company character varying(128),
    notepm character varying(256)
);
```

```
ALTER TABLE public.roadsite OWNER TO user_cantieri;
```

```
--
-- TOC entry 245 (class 1259 OID 163900)
-- Name: roadsite_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--
```

```
CREATE SEQUENCE public.roadsite_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;
```

```
ALTER TABLE public.roadsite_id_seq OWNER TO user_cantieri;
```

```
--
-- TOC entry 4822 (class 0 OID 0)
```

```
-- Dependencies: 245
-- Name: roadsite_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.roadsite_id_seq OWNED BY public.roadsite.id;

--
-- TOC entry 246 (class 1259 OID 163902)
-- Name: roadsite_status; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.roadsite_status (
    id smallint NOT NULL,
    name character varying(128)
);

ALTER TABLE public.roadsite_status OWNER TO user_cantieri;

--
-- TOC entry 247 (class 1259 OID 163905)
-- Name: roadsite_status_id_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.roadsite_status_id_id_seq
    AS smallint
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.roadsite_status_id_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4823 (class 0 OID 0)
-- Dependencies: 247
-- Name: roadsite_status_id_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.roadsite_status_id_id_seq OWNED BY public.roadsite_status.id;

--
-- TOC entry 248 (class 1259 OID 163907)
-- Name: role; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.role (
    id integer NOT NULL,
    descr character varying(128),
    name character varying(32),
    deleted boolean DEFAULT false,
    creation_date timestamp with time zone DEFAULT now(),
    remove_date timestamp with time zone,
    readonly boolean DEFAULT false
);

ALTER TABLE public.role OWNER TO user_cantieri;

--
-- TOC entry 249 (class 1259 OID 163913)
-- Name: role_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.role_id_seq
```



```

START WITH 1
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

ALTER TABLE public.role_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4824 (class 0 OID 0)
-- Dependencies: 249
-- Name: role_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.role_id_seq OWNED BY public.role.id;

--
-- TOC entry 250 (class 1259 OID 163915)
-- Name: role_sysuser; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.role_sysuser (
    role_id integer NOT NULL,
    sysuser_id integer NOT NULL
);

ALTER TABLE public.role_sysuser OWNER TO user_cantieri;

--
-- TOC entry 251 (class 1259 OID 163918)
-- Name: session; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.session (
    id integer NOT NULL,
    sysuser_id integer,
    token character varying(32),
    last_access_date timestamp with time zone,
    login_date timestamp with time zone,
    expiration_date timestamp with time zone
);

ALTER TABLE public.session OWNER TO user_cantieri;

--
-- TOC entry 252 (class 1259 OID 163921)
-- Name: session_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.session_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.session_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4825 (class 0 OID 0)
-- Dependencies: 252
-- Name: session_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

```

```
ALTER SEQUENCE public.session_id_seq OWNED BY public.session.id;

--
-- TOC entry 253 (class 1259 OID 163923)
-- Name: sysuser; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.sysuser (
    id integer NOT NULL,
    name character varying(50),
    surname character varying(50),
    phone character varying(50),
    signature character varying(32),
    email character varying(50),
    deleted boolean DEFAULT false,
    username character varying(16),
    creation_date timestamp with time zone DEFAULT now(),
    remove_date timestamp with time zone,
    enabled boolean DEFAULT true,
    authority_id integer,
    title_id smallint,
    cf character varying(16)
);

ALTER TABLE public.sysuser OWNER TO user_cantieri;

--
-- TOC entry 254 (class 1259 OID 163929)
-- Name: sysuser_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.sysuser_id_seq
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.sysuser_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4826 (class 0 OID 0)
-- Dependencies: 254
-- Name: sysuser_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.sysuser_id_seq OWNED BY public.sysuser.id;

--
-- TOC entry 280 (class 1259 OID 164663)
-- Name: view_cantieri; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_cantieri AS
    SELECT rs.id,
           rs.authority_id AS id_azienza,
           au.name AS azienda,
           rs.open_user_id AS id_utente_richiesta,
           (((sy.name)::text || ' '::text) || (sy.surname)::text) AS utente_richiesta,
           rs.email,
           rs.request_date AS data_richiesta,
           to_char((rs.request_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
data_richiesta_str,
           rs.request_year AS anno_richiesta,
           rs.address AS indirizzo,
```

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```

rs.note,
rs.protocol_request_number AS protocollo_richiesta,
rs.protocol_request_date AS data_protocollo_richiesta,
to_char((rs.protocol_request_date)::timestamp without time zone, 'DD/mm/YYYY
HH24:MI:SS':::text) AS data_protocollo_richiesta_str,
rs.status_id AS id_stato,
rss.name AS stato,
rs.approved_user_id AS id_utente_approvatore,
((s.name)::text || ' ':::text) || (s.surname)::text AS utente_approvatore,
rs.geom,
rs.protocol_approved_number AS protocollo_approvazione,
rs.protocol_approved_date AS data_protocollo_approvazione,
to_char((rs.protocol_approved_date)::timestamp without time zone, 'DD/mm/YYYY
HH24:MI:SS':::text) AS data_protocollo_approvazione_str,
rs.start_date AS data_inizio,
rs.end_date AS data_fine,
to_char((rs.start_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS':::text) AS
data_inizio_str,
to_char((rs.end_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS':::text) AS
data_fine_str,
((('rew/roadsite/':::text || rs.id) || '/download/':::text) || (rs.project_attach)::text) AS
progetto,
((('rew/roadsite/':::text || rs.id) || '/download/':::text) || (rs.authorization_attach)::text)
AS autorizzazione,
((('rew/roadsite/':::text || rs.id) || '/download/':::text) ||
(rs.coord_communication_attach)::text) AS comunicazione_coordinamento,
((('rew/roadsite/':::text || rs.id) || '/download/':::text) || (rs.approved_attach)::text) AS
approvazione
FROM (((public.roadsite rs
LEFT JOIN public.authority au ON ((au.id = rs.authority_id)))
LEFT JOIN public.roadsite_status rss ON ((rss.id = rs.status_id)))
LEFT JOIN public.sysuser s ON ((s.id = rs.approved_user_id)))
LEFT JOIN public.sysuser sy ON ((sy.id = rs.open_user_id)));

ALTER TABLE public.view_cantieri OWNER TO user_cantieri;

--
-- TOC entry 255 (class 1259 OID 163931)
-- Name: view_event; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_event AS
SELECT e.id,
       e.group_id,
       e.type_id,
       e.status_id,
       e.source,
       e.message,
       e.date,
       e.detail,
       e.lat,
       e.lon,
       e.show_timeline,
       et.name AS type,
       et.descr AS type_descr
FROM (public.event e
LEFT JOIN public.event_type et ON ((e.type_id = et.id)));

ALTER TABLE public.view_event OWNER TO user_cantieri;

--
-- TOC entry 281 (class 1259 OID 164769)
-- Name: view_move; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_move AS
SELECT mo.id,

```

```

mo.authority_id,
au.name AS authority,
mo.open_user_id,
((sy.name)::text || ' '::text) || (sy.surname)::text AS open_user,
mo.email,
mo.request_date,
to_char((mo.request_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
request_date_str,
mo.request_year,
mo.status_id,
ms.name AS status,
mo.start_date,
to_char((mo.start_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
start_date_str,
mo.end_date,
to_char((mo.end_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
end_date_str,
mo.address,
mo.number_from,
mo.number_to,
mo.x,
mo.y,
mo.geom,
mo.place,
mo.signage_date,
mo.signage_address,
mo.signage_num_from,
mo.signage_num_to,
mo.signage_place,
sp.name AS signage_position,
mo.signage_position_id,
mo.signage_base,
mo.vehicle_num,
mo.vehicle_plate,
mo.manage_user_id,
mo.manage_date,
((s.name)::text || ' '::text) || (s.surname)::text AS manage_user,
mo.control_date,
to_char((mo.control_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
control_date_str,
mo.control_team,
mo.note,
mo.approved_user_id,
mo.approved_date,
to_char((mo.approved_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
approved_date_str,
((s.name)::text || ' '::text) || (s.surname)::text AS approved_user
FROM (((public.move mo
LEFT JOIN public.authority au ON ((au.id = mo.authority_id))
LEFT JOIN public.move_status ms ON ((ms.id = mo.status_id))
LEFT JOIN public.sysuser s ON ((s.id = mo.approved_user_id))
LEFT JOIN public.sysuser sy ON ((sy.id = mo.open_user_id))
LEFT JOIN public.move_signage_position sp ON ((sp.id = mo.signage_position_id)));

```

```

ALTER TABLE public.view_move OWNER TO user_cantieri;

```

```

--
-- TOC entry 271 (class 1259 OID 164295)
-- Name: view_public_cantieri; Type: VIEW; Schema: public; Owner: user_cantieri
--

```

```

CREATE VIEW public.view_public_cantieri AS
SELECT r.id,
       r.start_date AS inizio_cantiere,
       r.end_date AS fine_cantiere,
       r.address AS indirizzo,
       r.geom
FROM (public.roadsite r

```

```

LEFT JOIN public.authority a ON ((a.id = r.authority_id))
LEFT JOIN public.roadsite_status rs ON ((rs.id = r.status_id))
WHERE ((r.status_id = 3) AND (r.end_date > now()));

ALTER TABLE public.view_public_cantieri OWNER TO user_cantieri;

--
-- TOC entry 279 (class 1259 OID 164539)
-- Name: view_public_traslochi; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_public_traslochi AS
SELECT m.id,
       m.address AS indirizzo,
       m.number_from AS civico_iniziale,
       m.number_to AS civico_finale,
       m.start_date AS inizio_trasloco,
       m.end_date AS fine_trasloco,
       m.geom
FROM ((public.move m
      LEFT JOIN public.authority a ON ((a.id = m.authority_id))
      LEFT JOIN public.move_status rs ON ((rs.id = m.status_id))
      WHERE ((m.status_id = 3) AND (m.end_date > now())));

ALTER TABLE public.view_public_traslochi OWNER TO user_cantieri;

--
-- TOC entry 274 (class 1259 OID 164386)
-- Name: view_registration; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_registration AS
SELECT r.id,
       r.approved,
       a.name AS authority_name,
       string_agg(((s.name)::text || ' '::text) || (s.surname)::text), ' ', '::text) AS fullname_user
FROM ((public.registration r
      LEFT JOIN public.authority a ON ((r.authority_id = a.id))
      LEFT JOIN public.sysuser s ON ((r.user_id = s.id))
      GROUP BY r.id, r.approved, a.name);

ALTER TABLE public.view_registration OWNER TO user_cantieri;

--
-- TOC entry 282 (class 1259 OID 164774)
-- Name: view_roadsite; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_roadsite AS
SELECT rs.id,
       rs.authority_id,
       au.name AS authority,
       rs.open_user_id,
       ((sy.name)::text || ' '::text) || (sy.surname)::text AS open_user,
       rs.email,
       rs.request_date,
       to_char((rs.request_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
request_date_str,
       rs.request_year,
       rs.address,
       rs.note,
       rs.protocol_request_number,
       rs.protocol_request_date,
       to_char((rs.protocol_request_date)::timestamp without time zone, 'DD/mm/YYYY
HH24:MI:SS'::text) AS protocol_request_date_str,
       rs.status_id,
```

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```

    rss.name AS status,
    rs.approved_user_id,
    (((s.name)::text || ' '::text) || (s.surname)::text) AS approved_user,
    rs.geom,
    rs.protocol_approved_number,
    rs.protocol_approved_date,
    to_char((rs.protocol_approved_date)::timestamp without time zone, 'DD/mm/YYYY
HH24:MI:SS'::text) AS protocol_approved_date_str,
    rs.start_date,
    rs.end_date,
    to_char((rs.start_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
start_date_str,
    to_char((rs.end_date)::timestamp without time zone, 'DD/mm/YYYY HH24:MI:SS'::text) AS
end_date_str,
    rs.project_attach,
    rs.authorization_attach,
    rs.coord_communication_attach,
    rs.approved_attach,
    rs.notepm
FROM (((public.roadside rs
LEFT JOIN public.authority au ON ((au.id = rs.authority_id))
LEFT JOIN public.roadside_status rss ON ((rss.id = rs.status_id))
LEFT JOIN public.sysuser s ON ((s.id = rs.approved_user_id))
LEFT JOIN public.sysuser sy ON ((sy.id = rs.open_user_id)));

```

```
ALTER TABLE public.view_roadside OWNER TO user_cantieri;
```

```

--
-- TOC entry 256 (class 1259 OID 163945)
-- Name: view_sysuser; Type: VIEW; Schema: public; Owner: user_cantieri
--

```

```

CREATE VIEW public.view_sysuser AS
SELECT su.id,
       su.name,
       su.surname,
       su.username,
       su.phone,
       su.email,
       su.signature AS password,
       su.creation_date,
       su.enabled,
       su.authority_id,
       su.cf,
       su.title_id
FROM public.sysuser su
WHERE (su.deleted = false);

```

```
ALTER TABLE public.view_sysuser OWNER TO user_cantieri;
```

```

--
-- TOC entry 283 (class 1259 OID 164882)
-- Name: view_traslochi; Type: VIEW; Schema: public; Owner: postgres
--

```

```

CREATE VIEW public.view_traslochi AS
SELECT mo.id,
       mo.authority_id AS id_azienda,
       au.name AS azienda,
       mo.open_user_id AS id_utente_richiesta,
       (((sy.name)::text || ' '::text) || (sy.surname)::text) AS utente_richiesta,
       mo.email,
       mo.request_date AS data_richiesta,
       to_char(mo.request_date, 'DD/mm/YYYY'::text) AS data_richiesta_str,
       mo.request_year AS anno_richiesta,
       mo.status_id AS id_stato,
       ms.name AS stato,

```

```

mo.start_date AS data_inizio,
to_char(mo.start_date, 'DD/mm/YYYY'::text) AS data_inizio_str,
mo.end_date AS data_fine,
to_char(mo.end_date, 'DD/mm/YYYY'::text) AS data_fine_str,
mo.address AS indirizzo,
mo.number_from AS civico_iniziale,
mo.number_to AS civico_finale,
mo.x,
mo.y,
mo.geom,
mo.place AS tratto,
mo.signage_date AS data_apposizione_segnaletica,
mo.signage_address AS indirizzo_segnaletica,
mo.signage_num_from AS civico_inizio_segnaletica,
mo.signage_num_to AS civico_fine_segnaletica,
mo.signage_place AS tratto_segnaletica,
sp.name AS posizione_segnaletica,
mo.signage_base AS base_segnaletica,
mo.vehicle_num AS numero_veicoli,
mo.vehicle_plate AS targhe_veicoli,
mo.manage_user_id AS id_utente_presaincarico,
mo.manage_date AS data_presaincarico,
(((s.name)::text || ' '::text) || (s.surname)::text) AS utente_presaincarico,
mo.control_date AS data_controllo_segnaletica,
to_char(mo.control_date, 'DD/mm/YYYY'::text) AS data_controllo_segnaletica_str,
mo.control_team AS pattuglia,
mo.note,
mo.approved_user_id AS id_utente_approvatore,
mo.approved_date AS data_approvazione,
to_char(mo.approved_date, 'DD/mm/YYYY'::text) AS data_approvazione_str,
(((s.name)::text || ' '::text) || (s.surname)::text) AS utente_approvatore
FROM (((public.move mo
LEFT JOIN public.authority au ON ((au.id = mo.authority_id))
LEFT JOIN public.move_status ms ON ((ms.id = mo.status_id))
LEFT JOIN public.sysuser s ON ((s.id = mo.approved_user_id))
LEFT JOIN public.sysuser sy ON ((sy.id = mo.open_user_id))
LEFT JOIN public.move_signage_position sp ON ((sp.id = mo.signage_position_id)));

ALTER TABLE public.view_traslochi OWNER TO postgres;

--
-- TOC entry 257 (class 1259 OID 163949)
-- Name: wg_category; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_category (
    id integer NOT NULL,
    label character varying(64) NOT NULL,
    _position smallint,
    manageable boolean DEFAULT true,
    permission character varying(64)
);

ALTER TABLE public.wg_category OWNER TO user_cantieri;

--
-- TOC entry 258 (class 1259 OID 163953)
-- Name: view_wg_category; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_wg_category AS
SELECT c.id,
       c.label,
       c._position,
       c.manageable,
       c.permission,
       p.description AS permission_descr

```



```

FROM (public.wg_category c
      LEFT JOIN public.permission p ON (((c.permission)::text = (p.name)::text)));

ALTER TABLE public.view_wg_category OWNER TO user_cantieri;

--
-- TOC entry 259 (class 1259 OID 163957)
-- Name: wg_layer; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_layer (
    id integer NOT NULL,
    id_category integer NOT NULL,
    id_parent integer,
    depth smallint NOT NULL,
    label character varying(64) NOT NULL,
    type character varying(32) NOT NULL,
    visible boolean NOT NULL,
    opacity double precision,
    tiled boolean,
    source json,
    layer_name character varying(64),
    selectable json,
    hover character varying(1024),
    filter json,
    upgradable character varying[],
    dynamic_filter boolean,
    min_scale integer,
    max_scale integer,
    extent double precision[],
    style json,
    searchable json,
    queryable json,
    _position smallint,
    permission character varying(64),
    image_id smallint NOT NULL,
    cluster_style json,
    editable boolean
);

ALTER TABLE public.wg_layer OWNER TO user_cantieri;

--
-- TOC entry 260 (class 1259 OID 163963)
-- Name: wg_layer_image; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_layer_image (
    id smallint NOT NULL,
    name character varying(32),
    image character varying
);

ALTER TABLE public.wg_layer_image OWNER TO user_cantieri;

--
-- TOC entry 261 (class 1259 OID 163969)
-- Name: view_wg_layer; Type: VIEW; Schema: public; Owner: user_cantieri
--

CREATE VIEW public.view_wg_layer AS
SELECT l.id,
       l.id_category,
       l.id_parent,
       l.depth,
       l.label,
```

```

l.type,
l.visible,
l.opacity,
l.tiled,
l.source,
l.layer_name,
l.selectable,
l.hover,
l.filter,
l.upgradable,
l.dynamic_filter,
l.min_scale,
l.max_scale,
l.extent,
l.style,
l.cluster_style,
l.searchable,
l.queryable,
l._position,
l.permission,
p.description AS permission_descr,
l.image_id,
li.name AS image_name,
li.image,
l.editable,
CASE
    WHEN (l.image_id = ANY (ARRAY[2, 6])) THEN 'Point'::text
    WHEN (l.image_id = 3) THEN 'LineString'::text
    WHEN (l.image_id = 4) THEN 'Polygon'::text
    WHEN (l.image_id = 7) THEN 'Geometry'::text
    ELSE NULL::text
END AS geometry_type
FROM ((public.wg_layer l
LEFT JOIN public.permission p ON (((l.permission)::text = (p.name)::text)))
LEFT JOIN public.wg_layer_image li ON ((l.image_id = li.id)));

```

```
ALTER TABLE public.view_wg_layer OWNER TO user_cantieri;
```

```

--
-- TOC entry 262 (class 1259 OID 163974)
-- Name: webgis_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

```

```

CREATE SEQUENCE public.webgis_seq
START WITH 2
INCREMENT BY 1
NO MINVALUE
NO MAXVALUE
CACHE 1;

```

```
ALTER TABLE public.webgis_seq OWNER TO user_cantieri;
```

```

--
-- TOC entry 263 (class 1259 OID 163976)
-- Name: wg_base_map; Type: TABLE; Schema: public; Owner: user_cantieri
--

```

```

CREATE TABLE public.wg_base_map (
    id integer NOT NULL,
    label character varying(256) NOT NULL,
    image character varying NOT NULL,
    type character varying(32) NOT NULL,
    tiled boolean NOT NULL,
    opacity double precision NOT NULL,
    _default boolean,
    _position smallint NOT NULL,
    permission character varying(64),

```

```

        source json NOT NULL,
        print_not_reproject boolean
    );

ALTER TABLE public.wg_base_map OWNER TO user_cantieri;

--
-- TOC entry 264 (class 1259 OID 163982)
-- Name: wg_layer_attach; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_layer_attach (
    id integer NOT NULL,
    name character varying(128) NOT NULL,
    descr character varying(64),
    size integer,
    insert_date timestamp with time zone DEFAULT now(),
    entity_id integer NOT NULL
);

ALTER TABLE public.wg_layer_attach OWNER TO user_cantieri;

--
-- TOC entry 265 (class 1259 OID 163986)
-- Name: wg_layer_attach_id_seq; Type: SEQUENCE; Schema: public; Owner: user_cantieri
--

CREATE SEQUENCE public.wg_layer_attach_id_seq
    AS integer
    START WITH 1
    INCREMENT BY 1
    NO MINVALUE
    NO MAXVALUE
    CACHE 1;

ALTER TABLE public.wg_layer_attach_id_seq OWNER TO user_cantieri;

--
-- TOC entry 4828 (class 0 OID 0)
-- Dependencies: 265
-- Name: wg_layer_attach_id_seq; Type: SEQUENCE OWNED BY; Schema: public; Owner: user_cantieri
--

ALTER SEQUENCE public.wg_layer_attach_id_seq OWNED BY public.wg_layer_attach.id;

--
-- TOC entry 266 (class 1259 OID 163988)
-- Name: wg_legend; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_legend (
    id integer NOT NULL,
    id_layer integer NOT NULL,
    label character varying(64),
    image character varying,
    extern boolean DEFAULT false
);

ALTER TABLE public.wg_legend OWNER TO user_cantieri;

--
-- TOC entry 267 (class 1259 OID 163995)
-- Name: wg_legend_class; Type: TABLE; Schema: public; Owner: user_cantieri
--

```

```
CREATE TABLE public.wg_legend_class (
    id integer NOT NULL,
    id_legend integer NOT NULL,
    name character varying(64) NOT NULL,
    image character varying,
    _position smallint
);

ALTER TABLE public.wg_legend_class OWNER TO user_cantieri;

--
-- TOC entry 268 (class 1259 OID 164001)
-- Name: wg_map; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_map (
    id smallint NOT NULL,
    map_name character varying(128),
    default_bbox double precision[],
    scales integer[],
    watermark character varying(255),
    point_zoom_level smallint,
    info_format character varying[],
    image_format json,
    vector_format json,
    mapserver json
);

ALTER TABLE public.wg_map OWNER TO user_cantieri;

--
-- TOC entry 269 (class 1259 OID 164007)
-- Name: wg_map_rs; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_map_rs (
    id smallint NOT NULL,
    name character varying(128),
    x_label character varying(32),
    y_label character varying(32),
    units character varying(32),
    prefix character varying(32),
    x_prefix character varying(32),
    y_prefix character varying(32),
    definition character varying(512),
    _default boolean DEFAULT false,
    code integer
);

ALTER TABLE public.wg_map_rs OWNER TO user_cantieri;

--
-- TOC entry 270 (class 1259 OID 164014)
-- Name: wg_map_tools; Type: TABLE; Schema: public; Owner: user_cantieri
--

CREATE TABLE public.wg_map_tools (
    id character varying(24) NOT NULL,
    tip character varying(32),
    class character varying(32),
    _position smallint,
    params json,
    permission character varying(64)
);
```

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```

ALTER TABLE public.wg_map_tools OWNER TO user_cantieri;

--
-- TOC entry 4510 (class 2604 OID 164440)
-- Name: authority id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.authority ALTER COLUMN id SET DEFAULT
nextval('public.authority_id_seq'::regclass);

--
-- TOC entry 4512 (class 2604 OID 164441)
-- Name: authorization id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public."authorization" ALTER COLUMN id SET DEFAULT
nextval('public.authorization_id_seq'::regclass);

--
-- TOC entry 4513 (class 2604 OID 164442)
-- Name: ctx_function id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.ctx_function ALTER COLUMN id SET DEFAULT
nextval('public.ctx_function_id_seq'::regclass);

--
-- TOC entry 4514 (class 2604 OID 164443)
-- Name: ctx_title id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.ctx_title ALTER COLUMN id SET DEFAULT
nextval('public.ctx_title_id_seq'::regclass);

--
-- TOC entry 4517 (class 2604 OID 164444)
-- Name: event id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event ALTER COLUMN id SET DEFAULT nextval('public.event_id_seq'::regclass);

--
-- TOC entry 4518 (class 2604 OID 164445)
-- Name: event_type id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event_type ALTER COLUMN id SET DEFAULT
nextval('public.event_type_id_seq'::regclass);

--
-- TOC entry 4519 (class 2604 OID 164446)
-- Name: i18n id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.i18n ALTER COLUMN id SET DEFAULT nextval('public.i18n_id_seq'::regclass);

--
-- TOC entry 4522 (class 2604 OID 164447)
-- Name: i18n_string id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

```

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```

ALTER TABLE ONLY public.il8n_string ALTER COLUMN id SET DEFAULT
nextval('public.il8n_string_id_seq'::regclass);

--
-- TOC entry 4523 (class 2604 OID 164448)
-- Name: menu id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.menu ALTER COLUMN id SET DEFAULT nextval('public.menu_id_seq'::regclass);

--
-- TOC entry 4524 (class 2604 OID 164449)
-- Name: menu_item id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.menu_item ALTER COLUMN id SET DEFAULT
nextval('public.menu_item_id_seq'::regclass);

--
-- TOC entry 4546 (class 2604 OID 164492)
-- Name: move id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move ALTER COLUMN id SET DEFAULT nextval('public.move_id_seq'::regclass);

--
-- TOC entry 4547 (class 2604 OID 164527)
-- Name: move_attach id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move_attach ALTER COLUMN id SET DEFAULT
nextval('public.move_attach_id_seq'::regclass);

--
-- TOC entry 4525 (class 2604 OID 164452)
-- Name: move_signage_position id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move_signage_position ALTER COLUMN id SET DEFAULT
nextval('public.move_signage_position_id_seq'::regclass);

--
-- TOC entry 4526 (class 2604 OID 164453)
-- Name: move_status id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move_status ALTER COLUMN id SET DEFAULT
nextval('public.move_status_id_seq'::regclass);

--
-- TOC entry 4527 (class 2604 OID 164454)
-- Name: permission id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.permission ALTER COLUMN id SET DEFAULT
nextval('public.permission_id_seq'::regclass);

--
-- TOC entry 4545 (class 2604 OID 164455)
-- Name: registration id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

```

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```

ALTER TABLE ONLY public.registration ALTER COLUMN id SET DEFAULT
nextval('public.registration_id_seq'::regclass);

--
-- TOC entry 4528 (class 2604 OID 164456)
-- Name: roadsite id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.roadsite ALTER COLUMN id SET DEFAULT
nextval('public.roadsite_id_seq'::regclass);

--
-- TOC entry 4529 (class 2604 OID 164457)
-- Name: roadsite_status id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.roadsite_status ALTER COLUMN id SET DEFAULT
nextval('public.roadsite_status_id_id_seq'::regclass);

--
-- TOC entry 4533 (class 2604 OID 164458)
-- Name: role id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.role ALTER COLUMN id SET DEFAULT nextval('public.role_id_seq'::regclass);

--
-- TOC entry 4534 (class 2604 OID 164459)
-- Name: session id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.session ALTER COLUMN id SET DEFAULT
nextval('public.session_id_seq'::regclass);

--
-- TOC entry 4538 (class 2604 OID 164460)
-- Name: sysuser id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.sysuser ALTER COLUMN id SET DEFAULT
nextval('public.sysuser_id_seq'::regclass);

--
-- TOC entry 4541 (class 2604 OID 164461)
-- Name: wg_layer_attach id; Type: DEFAULT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer_attach ALTER COLUMN id SET DEFAULT
nextval('public.wg_layer_attach_id_seq'::regclass);

--
-- TOC entry 4552 (class 2606 OID 164055)
-- Name: authority pk_authority; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.authority
  ADD CONSTRAINT pk_authority PRIMARY KEY (id);

--
-- TOC entry 4556 (class 2606 OID 164057)

```

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```
-- Name: authorization pk_authorization; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public."authorization"
    ADD CONSTRAINT pk_authorization PRIMARY KEY (id);

--

-- TOC entry 4558 (class 2606 OID 164059)
-- Name: ctx_function pk_ctx_function; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.ctx_function
    ADD CONSTRAINT pk_ctx_function PRIMARY KEY (id);

--

-- TOC entry 4560 (class 2606 OID 164061)
-- Name: ctx_title pk_ctx_title; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.ctx_title
    ADD CONSTRAINT pk_ctx_title PRIMARY KEY (id);

--

-- TOC entry 4562 (class 2606 OID 164063)
-- Name: event pk_event; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event
    ADD CONSTRAINT pk_event PRIMARY KEY (id);

--

-- TOC entry 4564 (class 2606 OID 164065)
-- Name: event_type pk_event_type; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event_type
    ADD CONSTRAINT pk_event_type PRIMARY KEY (id);

--

-- TOC entry 4568 (class 2606 OID 164067)
-- Name: event_type_permission pk_event_type_permission; Type: CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.event_type_permission
    ADD CONSTRAINT pk_event_type_permission PRIMARY KEY (event_type_id, permission_id);

--

-- TOC entry 4570 (class 2606 OID 164069)
-- Name: il8n pk_il8n; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.il8n
    ADD CONSTRAINT pk_il8n PRIMARY KEY (id);

--

-- TOC entry 4572 (class 2606 OID 164071)
-- Name: il8n_string pk_il8n_string; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.il8n_string
    ADD CONSTRAINT pk_il8n_string PRIMARY KEY (id);
```

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```
--
-- TOC entry 4576 (class 2606 OID 164073)
-- Name: menu_pk_menu; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.menu
    ADD CONSTRAINT pk_menu PRIMARY KEY (id);

--
-- TOC entry 4578 (class 2606 OID 164075)
-- Name: menu_item_pk_menu_item; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.menu_item
    ADD CONSTRAINT pk_menu_item PRIMARY KEY (id);

--
-- TOC entry 4628 (class 2606 OID 164497)
-- Name: move_pk_move; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move
    ADD CONSTRAINT pk_move PRIMARY KEY (id);

--
-- TOC entry 4630 (class 2606 OID 164533)
-- Name: move_attach_pk_move_attach; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move_attach
    ADD CONSTRAINT pk_move_attach PRIMARY KEY (id);

--
-- TOC entry 4580 (class 2606 OID 164079)
-- Name: move_signage_position_pk_move_signage_position; Type: CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.move_signage_position
    ADD CONSTRAINT pk_move_signage_position PRIMARY KEY (id);

--
-- TOC entry 4582 (class 2606 OID 164081)
-- Name: move_status_pk_move_status; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move_status
    ADD CONSTRAINT pk_move_status PRIMARY KEY (id);

--
-- TOC entry 4584 (class 2606 OID 164083)
-- Name: permission_pk_permission; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.permission
    ADD CONSTRAINT pk_permission PRIMARY KEY (id);

--
-- TOC entry 4588 (class 2606 OID 164085)
-- Name: permission_role_pk_permission_role; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
```

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--

```
ALTER TABLE ONLY public.permission_role
    ADD CONSTRAINT pk_permission_role PRIMARY KEY (permission_id, role_id);
```

--

```
-- TOC entry 4626 (class 2606 OID 164423)
-- Name: registration pk_registration; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.registration
    ADD CONSTRAINT pk_registration PRIMARY KEY (id);
```

--

```
-- TOC entry 4590 (class 2606 OID 164087)
-- Name: roadsite pk_roadsite; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.roadsite
    ADD CONSTRAINT pk_roadsite PRIMARY KEY (id);
```

--

```
-- TOC entry 4592 (class 2606 OID 164089)
-- Name: roadsite_status pk_roadsite_status; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.roadsite_status
    ADD CONSTRAINT pk_roadsite_status PRIMARY KEY (id);
```

--

```
-- TOC entry 4594 (class 2606 OID 164091)
-- Name: role pk_role; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.role
    ADD CONSTRAINT pk_role PRIMARY KEY (id);
```

--

```
-- TOC entry 4596 (class 2606 OID 164093)
-- Name: role_sysuser pk_role_sysuser; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.role_sysuser
    ADD CONSTRAINT pk_role_sysuser PRIMARY KEY (role_id, sysuser_id);
```

--

```
-- TOC entry 4598 (class 2606 OID 164095)
-- Name: session pk_session; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.session
    ADD CONSTRAINT pk_session PRIMARY KEY (id);
```

--

```
-- TOC entry 4600 (class 2606 OID 164097)
-- Name: sysuser pk_sysuser; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.sysuser
    ADD CONSTRAINT pk_sysuser PRIMARY KEY (id);
```

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```
--
-- TOC entry 4612 (class 2606 OID 164099)
-- Name: wg_base_map pk_wg_base_map; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_base_map
    ADD CONSTRAINT pk_wg_base_map PRIMARY KEY (id);

--

-- TOC entry 4606 (class 2606 OID 164101)
-- Name: wg_category pk_wg_category; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_category
    ADD CONSTRAINT pk_wg_category PRIMARY KEY (id);

--

-- TOC entry 4608 (class 2606 OID 164103)
-- Name: wg_layer pk_wg_layer; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer
    ADD CONSTRAINT pk_wg_layer PRIMARY KEY (id);

--

-- TOC entry 4614 (class 2606 OID 164105)
-- Name: wg_layer_attach pk_wg_layer_attach; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer_attach
    ADD CONSTRAINT pk_wg_layer_attach PRIMARY KEY (id);

--

-- TOC entry 4610 (class 2606 OID 164107)
-- Name: wg_layer_image pk_wg_layer_image; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer_image
    ADD CONSTRAINT pk_wg_layer_image PRIMARY KEY (id);

--

-- TOC entry 4616 (class 2606 OID 164109)
-- Name: wg_legend pk_wg_legend; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_legend
    ADD CONSTRAINT pk_wg_legend PRIMARY KEY (id);

--

-- TOC entry 4618 (class 2606 OID 164111)
-- Name: wg_legend_class pk_wg_legend_class; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_legend_class
    ADD CONSTRAINT pk_wg_legend_class PRIMARY KEY (id);

--

-- TOC entry 4620 (class 2606 OID 164113)
-- Name: wg_map pk_wg_map; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_map
```

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```

ADD CONSTRAINT pk_wg_map PRIMARY KEY (id);

--
-- TOC entry 4622 (class 2606 OID 164115)
-- Name: wg_map_rs pk_wg_map_rs; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_map_rs
    ADD CONSTRAINT pk_wg_map_rs PRIMARY KEY (id);

--
-- TOC entry 4624 (class 2606 OID 164117)
-- Name: wg_map_tools pk_wg_map_tool; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_map_tools
    ADD CONSTRAINT pk_wg_map_tool PRIMARY KEY (id);

--
-- TOC entry 4554 (class 2606 OID 164119)
-- Name: authority un_authority_vat; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.authority
    ADD CONSTRAINT un_authority_vat UNIQUE (vat);

--
-- TOC entry 4566 (class 2606 OID 164121)
-- Name: event_type un_event_type_name; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event_type
    ADD CONSTRAINT un_event_type_name UNIQUE (name);

--
-- TOC entry 4574 (class 2606 OID 164123)
-- Name: i18n_string un_i18n_string_object_id_label_key; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.i18n_string
    ADD CONSTRAINT un_i18n_string_object_id_label_key UNIQUE (object_id, label_key);

--
-- TOC entry 4586 (class 2606 OID 164125)
-- Name: permission un_permission_name; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.permission
    ADD CONSTRAINT un_permission_name UNIQUE (name);

--
-- TOC entry 4602 (class 2606 OID 164127)
-- Name: sysuser un_sysuser_cf; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.sysuser
    ADD CONSTRAINT un_sysuser_cf UNIQUE (cf);

--
-- TOC entry 4604 (class 2606 OID 164129)

```

```
-- Name: sysuser un_sysuser_username; Type: CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.sysuser
    ADD CONSTRAINT un_sysuser_username UNIQUE (username);

--

-- TOC entry 4660 (class 2620 OID 164518)
-- Name: move geom_from_xy; Type: TRIGGER; Schema: public; Owner: user_cantieri
--

CREATE TRIGGER geom_from_xy BEFORE INSERT OR UPDATE ON public.move FOR EACH ROW EXECUTE PROCEDURE
public.get_geom_from_xy();

--

-- TOC entry 4631 (class 2606 OID 164131)
-- Name: authority fk_authority_function; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.authority
    ADD CONSTRAINT fk_authority_function FOREIGN KEY (function_id) REFERENCES
public.ctx_function(id);

--

-- TOC entry 4632 (class 2606 OID 164136)
-- Name: authorization fk_authorization_authority; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public."authorization"
    ADD CONSTRAINT fk_authorization_authority FOREIGN KEY (authority_id) REFERENCES
public.authority(id);

--

-- TOC entry 4633 (class 2606 OID 164141)
-- Name: event fk_event_type_id; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event
    ADD CONSTRAINT fk_event_type_id FOREIGN KEY (type_id) REFERENCES public.event_type(id);

--

-- TOC entry 4634 (class 2606 OID 164146)
-- Name: event_type_permission fk_event_type_permission_event_type_id; Type: FK CONSTRAINT; Schema:
public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event_type_permission
    ADD CONSTRAINT fk_event_type_permission_event_type_id FOREIGN KEY (event_type_id) REFERENCES
public.event_type(id);

--

-- TOC entry 4635 (class 2606 OID 164151)
-- Name: event_type_permission fk_event_type_permission_permission_id; Type: FK CONSTRAINT; Schema:
public; Owner: user_cantieri
--

ALTER TABLE ONLY public.event_type_permission
    ADD CONSTRAINT fk_event_type_permission_permission_id FOREIGN KEY (permission_id) REFERENCES
public.permission(id);

--
```

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```
-- TOC entry 4636 (class 2606 OID 164156)
-- Name: il8n_string fk_il8n_string_object_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.il8n_string
    ADD CONSTRAINT fk_il8n_string_object_id FOREIGN KEY (object_id) REFERENCES public.il8n(id);

--

-- TOC entry 4637 (class 2606 OID 164161)
-- Name: menu_item fk_menu_item_id_group; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.menu_item
    ADD CONSTRAINT fk_menu_item_id_group FOREIGN KEY (id_group) REFERENCES public.menu(id);

--

-- TOC entry 4659 (class 2606 OID 164534)
-- Name: move_attach fk_move_attach_entity_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.move_attach
    ADD CONSTRAINT fk_move_attach_entity_id FOREIGN KEY (entity_id) REFERENCES public.move(id);

--

-- TOC entry 4655 (class 2606 OID 164498)
-- Name: move fk_move_authority; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move
    ADD CONSTRAINT fk_move_authority FOREIGN KEY (authority_id) REFERENCES public.authority(id);

--

-- TOC entry 4656 (class 2606 OID 164503)
-- Name: move fk_move_signage_position; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move
    ADD CONSTRAINT fk_move_signage_position FOREIGN KEY (signage_position_id) REFERENCES
public.move_signage_position(id);

--

-- TOC entry 4657 (class 2606 OID 164508)
-- Name: move fk_move_status; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move
    ADD CONSTRAINT fk_move_status FOREIGN KEY (status_id) REFERENCES public.move_status(id);

--

-- TOC entry 4658 (class 2606 OID 164513)
-- Name: move fk_move_sysuser; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.move
    ADD CONSTRAINT fk_move_sysuser FOREIGN KEY (open_user_id) REFERENCES public.sysuser(id);

--

-- TOC entry 4638 (class 2606 OID 164186)
-- Name: permission fk_permission_menu_item_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
```

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--

```
ALTER TABLE ONLY public.permission
    ADD CONSTRAINT fk_permission_menu_item_id FOREIGN KEY (menu_item_id) REFERENCES
public.menu_item(id);
```

--

```
-- TOC entry 4639 (class 2606 OID 164191)
-- Name: permission_role fk_permission_role_permission_id; Type: FK CONSTRAINT; Schema: public;
Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.permission_role
    ADD CONSTRAINT fk_permission_role_permission_id FOREIGN KEY (permission_id) REFERENCES
public.permission(id) ON DELETE CASCADE;
```

--

```
-- TOC entry 4640 (class 2606 OID 164196)
-- Name: permission_role fk_permission_role_role_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--
```

```
ALTER TABLE ONLY public.permission_role
    ADD CONSTRAINT fk_permission_role_role_id FOREIGN KEY (role_id) REFERENCES public.role(id);
```

--

```
-- TOC entry 4641 (class 2606 OID 164201)
-- Name: roadsite fk_roadsite_authority; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.roadsite
    ADD CONSTRAINT fk_roadsite_authority FOREIGN KEY (authority_id) REFERENCES
public.authority(id);
```

--

```
-- TOC entry 4642 (class 2606 OID 164206)
-- Name: roadsite fk_roadsite_status; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.roadsite
    ADD CONSTRAINT fk_roadsite_status FOREIGN KEY (status_id) REFERENCES
public.roadsite_status(id);
```

--

```
-- TOC entry 4643 (class 2606 OID 164211)
-- Name: roadsite fk_roadsite_sysuser; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--
```

```
ALTER TABLE ONLY public.roadsite
    ADD CONSTRAINT fk_roadsite_sysuser FOREIGN KEY (open_user_id) REFERENCES public.sysuser(id);
```

--

```
-- TOC entry 4644 (class 2606 OID 164216)
-- Name: role_sysuser fk_role_sysuser_role_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--
```

```
ALTER TABLE ONLY public.role_sysuser
    ADD CONSTRAINT fk_role_sysuser_role_id FOREIGN KEY (role_id) REFERENCES public.role(id);
```

--

```
-- TOC entry 4645 (class 2606 OID 164221)
```

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```
-- Name: role_sysuser fk_role_sysuser_sysuser_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.role_sysuser
    ADD CONSTRAINT fk_role_sysuser_sysuser_id FOREIGN KEY (sysuser_id) REFERENCES
public.sysuser(id);

--

-- TOC entry 4646 (class 2606 OID 164226)
-- Name: session fk_session_sysuser_id; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.session
    ADD CONSTRAINT fk_session_sysuser_id FOREIGN KEY (sysuser_id) REFERENCES public.sysuser(id) ON
DELETE CASCADE;

--

-- TOC entry 4647 (class 2606 OID 164231)
-- Name: sysuser fk_sysuser_authority; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.sysuser
    ADD CONSTRAINT fk_sysuser_authority FOREIGN KEY (authority_id) REFERENCES public.authority(id);

--

-- TOC entry 4648 (class 2606 OID 164236)
-- Name: sysuser fk_sysuser_title; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.sysuser
    ADD CONSTRAINT fk_sysuser_title FOREIGN KEY (title_id) REFERENCES public.ctx_title(id);

--

-- TOC entry 4652 (class 2606 OID 164241)
-- Name: wg_layer_attach fk_wg_layer_attach_entity_id; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.wg_layer_attach
    ADD CONSTRAINT fk_wg_layer_attach_entity_id FOREIGN KEY (entity_id) REFERENCES
public.wg_layer(id);

--

-- TOC entry 4649 (class 2606 OID 164246)
-- Name: wg_layer fk_wg_layer_id_category; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.wg_layer
    ADD CONSTRAINT fk_wg_layer_id_category FOREIGN KEY (id_category) REFERENCES
public.wg_category(id);

--

-- TOC entry 4650 (class 2606 OID 164251)
-- Name: wg_layer fk_wg_layer_id_parent; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer
    ADD CONSTRAINT fk_wg_layer_id_parent FOREIGN KEY (id_parent) REFERENCES public.wg_layer(id);

--
```

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```
-- TOC entry 4651 (class 2606 OID 164256)
-- Name: wg_layer fk_wg_layer_image_id; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_layer
    ADD CONSTRAINT fk_wg_layer_image_id FOREIGN KEY (image_id) REFERENCES
public.wg_layer_image(id);

--

-- TOC entry 4654 (class 2606 OID 164261)
-- Name: wg_legend_class fk_wg_legend_class_id_legend; Type: FK CONSTRAINT; Schema: public; Owner:
user_cantieri
--

ALTER TABLE ONLY public.wg_legend_class
    ADD CONSTRAINT fk_wg_legend_class_id_legend FOREIGN KEY (id_legend) REFERENCES
public.wg_legend(id);

--

-- TOC entry 4653 (class 2606 OID 164266)
-- Name: wg_legend fk_wg_legend_id_layer; Type: FK CONSTRAINT; Schema: public; Owner: user_cantieri
--

ALTER TABLE ONLY public.wg_legend
    ADD CONSTRAINT fk_wg_legend_id_layer FOREIGN KEY (id_layer) REFERENCES public.wg_layer(id);

--

-- TOC entry 4827 (class 0 OID 0)
-- Dependencies: 283
-- Name: TABLE view_traslochi; Type: ACL; Schema: public; Owner: postgres
--

GRANT ALL ON TABLE public.view_traslochi TO user_cantieri;
```