```sql
-- ===========================================================================
-- CIAdb - Seed de datos de integración (Usr, Services, Partner)
-- PostgreSQL 13+ | Fecha: 2025-10-06
-- ===========================================================================

-- 1) Crear base de datos CIAdb si no existe
DO $$
BEGIN
  IF NOT EXISTS (SELECT 1 FROM pg_database WHERE datname = 'CIAdb') THEN
    PERFORM dblink_exec('dbname=' || current_database(), 'CREATE DATABASE "CIAdb"');
  END IF;
END$$ LANGUAGE plpgsql;

-- 2) Conectarse a CIAdb (en psql)
-- \c CIAdb;

-- 3) (Opcional) Asegurar esquema
SET search_path TO public;

-- 4) Limpiar datos previos de estas tablas manteniendo integridad
--    (Ajusta nombres exactos si tu JPA generó otros)
DO $$
BEGIN
  IF to_regclass('public.partner') IS NOT NULL THEN
    EXECUTE 'TRUNCATE TABLE partner RESTART IDENTITY CASCADE';
  END IF;
  IF to_regclass('public.services') IS NOT NULL THEN
    EXECUTE 'TRUNCATE TABLE services RESTART IDENTITY CASCADE';
  END IF;
  IF to_regclass('public.usr') IS NOT NULL THEN
    EXECUTE 'TRUNCATE TABLE usr RESTART IDENTITY CASCADE';
  END IF;
END$$;

-- 5) Insertar USUARIOS (Usr)
-- Nota: no insertamos el id; luego referenciamos por email
INSERT INTO usr (name, identification, email, password, role, lon, lat)
VALUES
  ('Nicolás Moreno',    'CC10000001', 'nicolas.moreno@exa.test',
'$2a$10$8TcBzrwjMGYiNAMipQ4YO.rfc1AMhpOBhd7lVJRYnKLlLvFb/.5Eq', 'CLIENT',
-74.1081088, 4.5940736),
  ('Tomás Vera',        'CC10000002', 'tomas.vera@exa.test',
'$2a$10$8TcBzrwjMGYiNAMipQ4YO.rfc1AMhpOBhd7lVJRYnKLlLvFb/.5Eq', 'CLIENT',
-74.0720900, 4.7110000),
```

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 ('Andrés Triviño',     'CC10000003', 'andres.trivino@exa.test',
'$2a$10$8TcBzrwjMGYiNAMipQ4YO.rfc1AMhpOBhd7lVJRYnKLlLvFb/.5Eq', 'OPERATOR',
-74.0825550, 4.6452000),
 ('Julián Nova',        'CC10000004', 'julian.nova@exa.test',
'$2a$10$8TcBzrwjMGYiNAMipQ4YO.rfc1AMhpOBhd7lVJRYnKLlLvFb/.5Eq', 'CLIENT',
-74.0600000, 4.7000000),
 ('Exa Admin',          'CC10000005', 'admin@exa.test',
'$2a$10$8TcBzrwjMGYiNAMipQ4YO.rfc1AMhpOBhd7lVJRYnKLlLvFb/.5Eq', 'ADMIN',
-74.1000000, 4.6800000);

-- 6) Insertar SERVICIOS (Services)
-- Mezcla de SOAT / TECNICOMECANICA / otros; varias exp_date < hoy (vencidos)
-- payment_id queda en NULL; plate en mayúsculas; graduated variados
INSERT INTO services
  (name, usr_id, price, service_type, plate, exp_date, assurance, duration, start_date,
graduated, payment_id)
VALUES
  -- Usuario: Nicolás
 ('SOAT Renault',      (SELECT id FROM usr WHERE email = 'nicolas.moreno@exa.test'),
  250000, 'SOAT', 'ABC123',
  DATE '2025-09-15', 'SURA', '1 año', DATE '2024-09-16', false, NULL),  -- vencido

 ('Tecnomecánica Ren.', (SELECT id FROM usr WHERE email =
'nicolas.moreno@exa.test'),
  180000, 'TECNICOMECCANICA', 'ABC123',
  DATE '2025-07-10', 'Centro CDA Norte', '1 año', DATE '2024-07-11', false, NULL), --
vencido

  -- Usuario: Tomás
 ('SOAT Mazda',        (SELECT id FROM usr WHERE email = 'tomas.vera@exa.test'),
  260000, 'SOAT', 'XYZ987',
  DATE '2026-01-10', 'AXA Colpatria', '1 año', DATE '2025-01-11', true, NULL),    -- vigente

 ('Tecnomecánica Maz.', (SELECT id FROM usr WHERE email = 'tomas.vera@exa.test'),
  190000, 'TECNICOMECCANICA', 'XYZ987',
  DATE '2025-10-01', 'CDA Centro', '1 año', DATE '2024-10-02', false, NULL),     -- vencido
(ligeramente)

  -- Usuario: Andrés (operador como cliente también)
 ('SOAT Moto',         (SELECT id FROM usr WHERE email = 'andres.trivino@exa.test'),
  150000, 'SOAT', 'MOT321',
  DATE '2025-11-20', 'SURA', '1 año', DATE '2024-11-21', false, NULL),          -- vigente

 ('Tecnomecánica Moto', (SELECT id FROM usr WHERE email = 'andres.trivino@exa.test'),
  120000, 'TECNICOMECCANICA', 'MOT321',
  DATE '2025-08-15', 'CDA Sur', '1 año', DATE '2024-08-16', false, NULL),        -- vencido

  -- Usuario: Julián
```

```sql
  ('SOAT Chevrolet',     (SELECT id FROM usr WHERE email = 'julian.nova@exa.test'),
   255000, 'SOAT', 'JKK456',
   DATE '2025-12-30', 'Liberty', '1 año', DATE '2024-12-31', true, NULL),        -- vigente

  ('Tecnomecánica Chev', (SELECT id FROM usr WHERE email = 'julian.nova@exa.test'),
   185000, 'TECNICOMECCANICA', 'JKK456',
   DATE '2025-06-30', 'CDA Occidente', '1 año', DATE '2024-07-01', false, NULL);   -- vencido

-- 7) Insertar PARTNERS (Partner) asociados a algunos servicios
--   lat/lon aproximadas Bogotá; soat/techno según servicio
--   Asociamos 1-2 partners por servicio para cubrir ambos flags
INSERT INTO partner (name, lat, lon, soat, techno, service_id) VALUES
  ('Punto SOAT Chapinero',   4.648620, -74.063300, true,  false,
    (SELECT id FROM services WHERE plate='ABC123' AND service_type='SOAT' LIMIT
1)),
  ('CDA Norte 145',          4.736500, -74.044800, false, true,
    (SELECT id FROM services WHERE plate='ABC123' AND
service_type='TECNICOMECCANICA' LIMIT 1)),

  ('SOAT Parkway',           4.639500, -74.068900, true,  false,
    (SELECT id FROM services WHERE plate='XYZ987' AND service_type='SOAT' LIMIT
1)),
  ('CDA Centro 26',          4.610000, -74.083000, false, true,
    (SELECT id FROM services WHERE plate='XYZ987' AND
service_type='TECNICOMECCANICA' LIMIT 1)),

  ('SOAT Avenida 68',        4.661800, -74.105000, true,  false,
    (SELECT id FROM services WHERE plate='MOT321' AND service_type='SOAT' LIMIT
1)),
  ('CDA Sur Tunal',          4.575800, -74.130500, false, true,
    (SELECT id FROM services WHERE plate='MOT321' AND
service_type='TECNICOMECCANICA' LIMIT 1)),

  ('SOAT Suba 116',          4.712300, -74.072100, true,  false,
    (SELECT id FROM services WHERE plate='JKK456' AND service_type='SOAT' LIMIT 1)),
  ('CDA Occidente Engativá', 4.702100, -74.128500, false, true,
    (SELECT id FROM services WHERE plate='JKK456' AND
service_type='TECNICOMECCANICA' LIMIT 1));

-- 8) Verificaciones rápidas (opcionales)
-- SELECT u.id, u.name, s.id AS service_id, s.service_type, s.plate, s.exp_date
-- FROM usr u JOIN services s ON s.usr_id = u.id
-- ORDER BY u.id, s.id;

-- SELECT s.id, s.plate, p.name AS partner, p.soat, p.techno
-- FROM services s JOIN partner p ON p.service_id = s.id
-- ORDER BY s.id, p.id;
```