

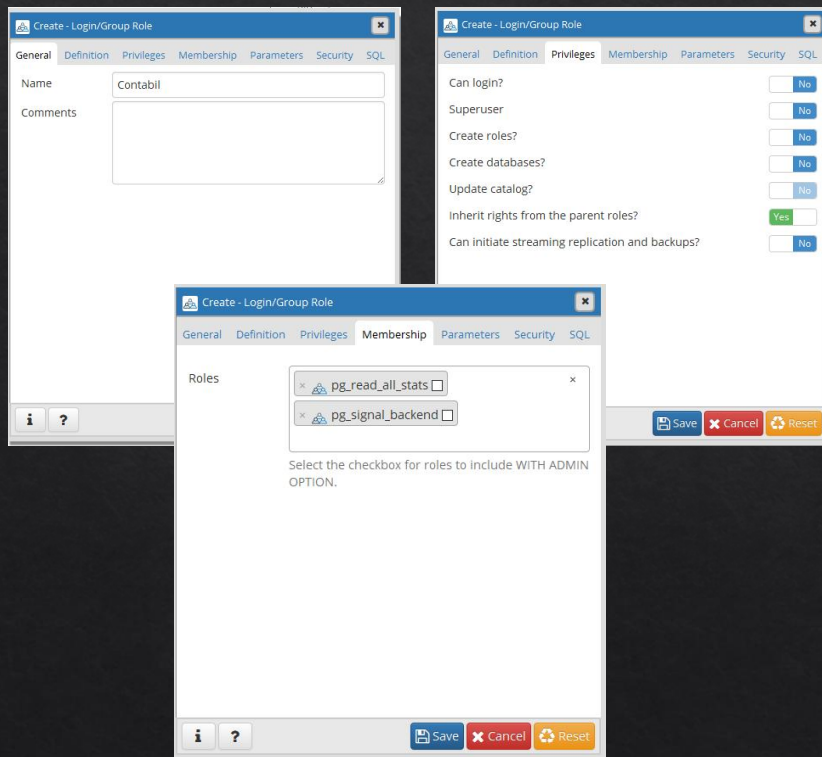
# Programação

- ◊ Stored Procedures
- ◊ Functions
- ◊ Triggers

```
CREATE PROCEDURE insert_data(a integer, b
integer)
LANGUAGE SQL
AS $$
INSERT INTO tbl VALUES (a);
INSERT INTO tbl VALUES (b);
$$;
```

```
CALL insert_data(1, 2);
```

# Segurança



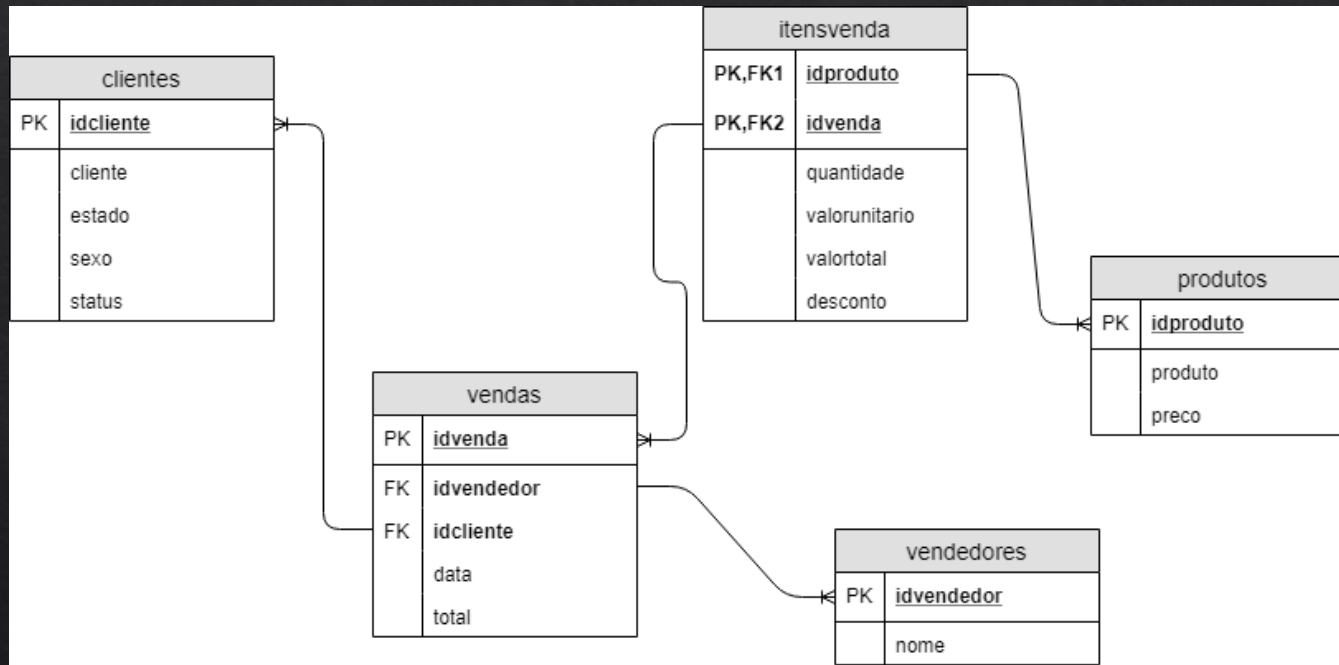
- ◆ GRANT
- ◆ GRANT SELECT, UPDATE ON LOCACAO TO CLOUDERA;
- ◆ REVOKE
- ◆ REVOKE SELECT, UPDATE ON LOCACAO FROM TO CLOUDERA;

# Views

## ◈ View e View Materializadas

```
CREATE VIEW comedies AS  
  SELECT *  
  FROM films  
  WHERE kind = 'Comedy';
```

# Integridade Referencial



Excluir um produto  
que já foi vendido?

o idvenda  
i - deve excluir  
o produto  
vendido.