

Anexo V. Creación de índices

Creación del TABLESPACE

```
/* TABLESPACE CREATION */
create tablespace tablespaceLuz DATAFILE ONLINE;
```

Construcción índices adicionales

```
/* index creation */

CREATE INDEX ix_Province_CountryCode ON Province(countryCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_City_ProvinceCode ON City(provinceCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Address_CityCode ON Address(cityCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Consumer_AddressCode ON Consumer(addressCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Consumer_BankCode ON Consumer(bankCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Company_AddressCode ON Company(addressCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Meter_CompanyCode ON Meter(companyCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Meter_ConsumerCode ON Meter(ConsumerCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Meter_AddressCode ON Meter(addressCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Connection_MeterSN ON Connection(meterSerialNumber) TABLESPACE
tablespaceLuz;
CREATE INDEX ix_Price_CountryCode ON Price(countryCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Price_CompanyCode ON Price(companyCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Clients_CompanyCode ON Clients(companyCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Clients_ConsumerCode ON Clients(consumerCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Operators_CountryCode ON Operators(countryCode) TABLESPACE tablespaceLuz;
CREATE INDEX ix_Operators_CompanyCode ON Operators(companyCode) TABLESPACE tablespaceLuz;
```

Seguridad. Declaración de usuarios y permisos

```
/* creación del usuario administrador de la BBDD */
CREATE USER sol IDENTIFIED BY ajcc
DEFAULT TABLESPACE users
QUOTA UNLIMITED ON users
TEMPORARY TABLESPACE temp;

GRANT
CREATE SESSION,
CREATE TABLE,
CREATE TRIGGER,
CREATE SEQUENCE,
CREATE VIEW
TO sol;
```

Creación de roles y permisos

```
CREATE ROL DB_ADMIN IDENTIFIED BY password;
CREATE ROL DB_COMPANY IDENTIFIED BY password;

GRANT SELECT, INSERT, UPDATE DELETE ON COUNTRY TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON PROVINCE TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON CITY TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON STREETTYPE TO DB_ADMIN;
GRANT SELECT ON ADDRESS TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON BANK TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON IDENTITYTYPE TO DB_ADMIN;
GRANT SELECT ON CONSUMER TO DB_ADMIN;
GRANT SELECT, INSERT, UPDATE DELETE ON COMPANY TO DB_ADMIN;
GRANT SELECT ON METER TO DB_ADMIN;
GRANT SELECT ON CONNECTION TO DB_ADMIN;
GRANT SELECT ON PRICE TO DB_ADMIN;
GRANT SELECT ON CLIENTS TO DB_ADMIN;
GRANT SELECT ON OPERATORS TO DB_ADMIN;
GRANT SELECT ON LUZLOG TO DB_ADMIN;
```

```
GRANT SELECT ON COUNTRY TO DB_COMPANY;  
GRANT SELECT ON PROVINCE TO DB_COMPANY;  
GRANT SELECT ON CITY TO DB_COMPANY;  
GRANT SELECT ON STREETTYPE TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON ADDRESS TO DB_COMPANY;  
GRANT SELECT ON BANK TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON IDENTITYTYPE TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON CONSUMER TO DB_COMPANY;  
GRANT SELECT ON COMPANY TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON METER TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON CONNECTION TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON PRICE TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON CLIENTS TO DB_COMPANY;  
GRANT SELECT, INSERT, UPDATE DELETE ON OPERATORS TO DB_COMPANY;  
GRANT INSERT ON LUZLOG TO DB_COMPANY;
```