

DW_D-End

Database model documentation

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Database model: DW_D-End, sql_server

1. Model details

Model name:DW_D-End

Version:2 . 4

Database engine:Microsoft SQL Server

Description:Database to store the D-end project data

2. Tables

2.1. Table Dim_Cliente

Description:Table that stores health plan customer information

2.1.1. Columns

Column name	Type	Properties	Description
cli_id	int	PK	Primary key of the "Dim_Cliente" table, it is a sequential number field.
cli_id_ori	varchar(250)	null	Column id coming from MongoDB.
cli_nome	varchar(500)	null	Column that stores the customer's name.
cli_data_nascimento	datetime	null	Column that stores the customer's date of birth.
cli_qtd_dependente	int	null	Column that stores the number of dependents of the health insurance holder.
cli_marca_otica	bigint	null	Column that stores the customer's "marca otica", an individual number for each person.
cli_marca_otica_odonto	bigint	null	Column that stores the customer's "marca otica odonto", an individual number for each person, only if the holder has this health insurance.
cli_situacao	varchar(50)	null	Column that stores the customer's status, it can be active or inactive.

cli_data_cancelamento	datetime	null	Column that stores the medical insurance cancellation date.
cli_data_situacao	datetime	null	Column that stores the customer status date.
cli_cod_contrato	varchar(500)	null	Column that stores the contract code.

2.2. Table Dim_Plano

Description:Table that stores health plan information.

2.2.1. Columns

Column name	Type	Properties	Description
pln_id	int	PK	Primary key of the "Dim_Plano" table, it is a sequential number field.
pln_codigo	varchar(50)	null	Column that stores the health plan code.
pln_nome	varchar(250)	null	Column that stores the health plan name.
pln_operadora	varchar(250)	null	Column that stores the health plan company name.
pln_ini_vigencia	datetime	null	Column that stores the date that the health plan started.

2.3. Table Dim_Repassse

Description:Table that stores the transfer information between client and medical agreement.

2.3.1. Columns

Column name	Type	Properties	Description
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rep_id	int	PK	Primary key of the "Dim_Repassse" table, it is a sequential number field.
rep_saude_orig	numeric(8,2)	null	Column that stores the value of the health plan
rep_competencia	datetime	null	Column that stores the payment date.
rep_data_geracao	datetime	null	Column that stores the date on which the amount to be paid was generated.
rep_valor	numeric(8,2)	null	Column that stores the passed value.
rep_tipo_beneficiario	varchar(5)	null	Column that stores the type of beneficiary, whether it is a dependent or holder.
rep_rubrica	varchar(60)	null	Column that stores the transfer type.
rep_condicao	varchar(30)	null	Column that stores the pass-through condition.
rep_diferenca	numeric(8,2)	null	Difference in transfer between the health plan and the client

2.4. Table Dim_Convenio

Description:Table that stores medical insurance information

2.4.1. Columns

Column name	Type	Properties	Description
con_id	int	PK	Primary key of the "Dim_Convenio" table, it is a sequential number field.
con_codigo	bigint	null	Column that stores the

			medical insurance code.
con_nome	varchar(250)	null	Column that stores the name of the medical insurance.
con_data_suspensao	datetime	null	Date of suspension of the medical agreement.

2.5. Table Fato_Medical

Description:Table that stores the primary keys of dimension tables.

2.5.1. Columns

Column name	Type	Properties	Description
Dim_Cliente_cli_id	int	PK	Foreign key of table "Dim_Cliente" and Primary key of table Fato_Medical.
Dim_Plano_pln_id	int	PK	Foreign key of table "Dim_Plano" and Primary key of table Fato_Medical.
Dim_Repassse_rep_id	int	PK	Foreign key of table "Dim_Repassse" and Primary key of table Fato_Medical.
Dim_Convenio_con_id	int	PK	Foreign key of table "Dim_Convenio" and Primary key of table Fato_Medical.

2.6. Table Key_Crypto

Description: Table that stores the client ID and encryption key.

2.6.1. Columns

Column name	Type	Properties	Description
krc_key	varchar(300)	PK	Column that stores the encryption key.
kcr_id	varchar(300)	PK	Column that stores the customer ID

3. References

3.1. Reference **fk_cliente_medical_cli_id**

Description:foreign key between "Dim_Cliente" and "Fato_Medical" tables.

Dim_Cliente	0..*	Fato_Medical
cli_id	<->	Dim_Cliente_cli_id

3.2. Reference **fk_plano_medical_pln_id**

Description:foreign key between "Dim_Plano" and "Fato_Medical" tables.

Dim_Plano	0..*	Fato_Medical
pln_id	<->	Dim_Plano_pln_id

3.3. Reference **fk_repassse_medical_rep_id**

Description:foreign key between "Dim_Repassse" and "Fato_Medical" tables.

Dim_Repassse	0..*	Fato_Medical
rep_id	<->	Dim_Repassse_rep_id

3.4. Reference **fk_convenio_medical_con_id**

Description:foreign key between "Dim_Convenio" and "Fato_Medical" tables.

Dim_Convenio	0..*	Fato_Medical
con_id	<->	Dim_Convenio_con_id

Documentation of users Database

- Admin User Roles:
 - Create new users;
 - Grant/Revoke privileges to users in the database;
 - Read and write to the database;
 - Change database settings.
- Analyst User Role:
 - Read from database.