**CAPACITY PLANNING**

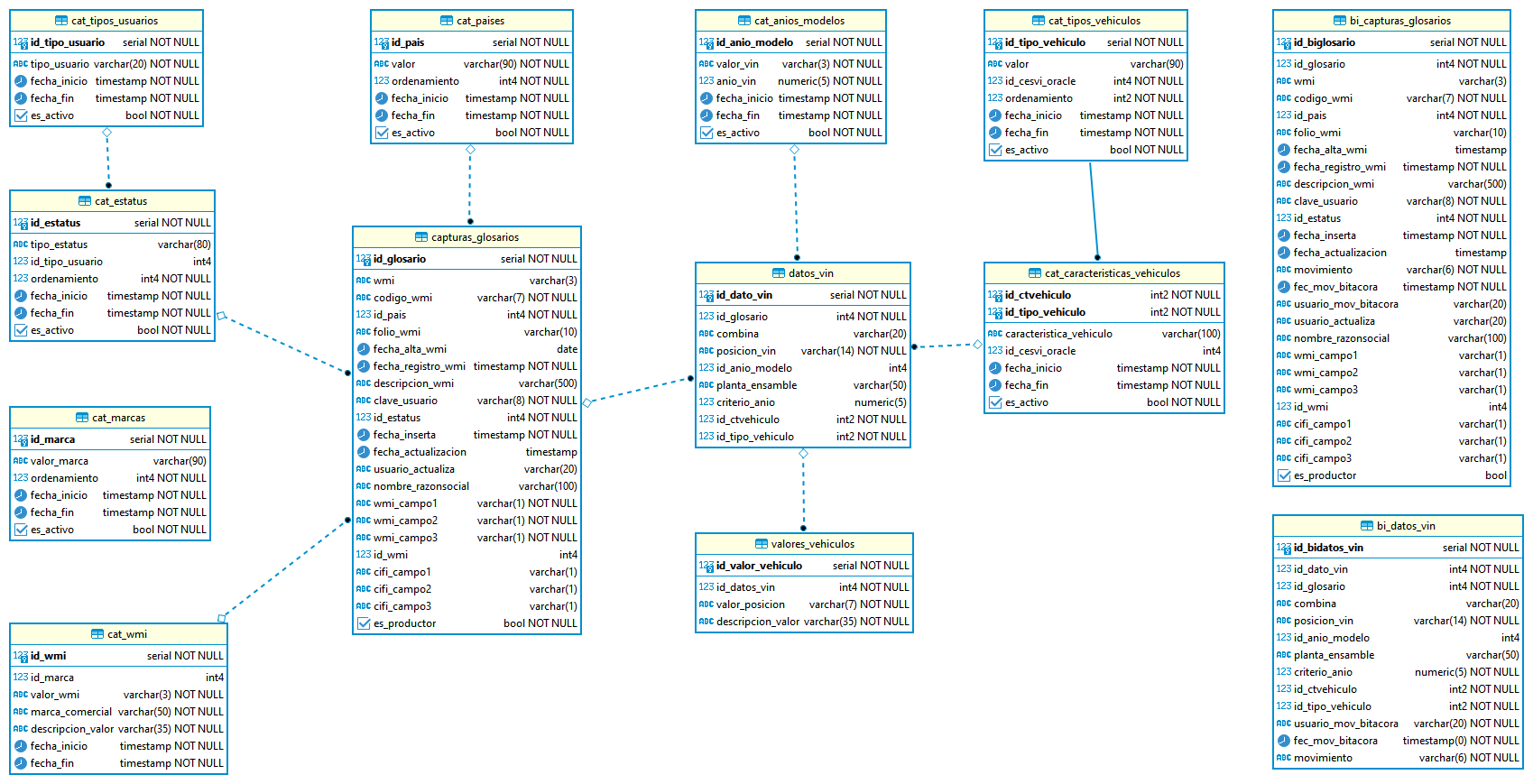
**BD: DESGLOSADOR.**



**DIAGRAMA**

**ENTIDAD – RELACIÓN**

**DB: desglosadordb.**



**DESCRIPCIÓN DEL MODELO**

**DB: desglosadordb**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Nombre** | **Llave Primaria** | **# Atributo** |
|  |  | | | |
| 1 | bi\_capturas\_glosarios | id\_biglosario | 26 |
| 2 | bi\_datos\_vin | id\_bidatos\_vin | 13 |
| 3 | capturas\_glosarios | id\_glosario | 22 |
| 4 | cat\_anios\_modelos | id\_anio\_modelo | 6 |
| 5 | cat\_caracteristicas\_vehiculos | id\_ctvehiculo | 7 |
| 6 | cat\_estatus | id\_estatus | 7 |
| 7 | cat\_marcas | id\_marca | 6 |
| 8 | cat\_paises | id\_pais | 6 |
| 9 | cat\_tipos\_usuarios | id\_tipo\_usuario | 5 |
| 10 | cat\_tipos\_vehiculos | id\_tipo\_vehiculo | 7 |
| 11 | cat\_wmi | id\_wmi | 7 |
| 12 | datos\_vin | id\_dato\_vin | 9 |
| 13 | valores\_vehiculos | id\_valor\_vehiculo | 4 |

**Tabla 'bi\_capturas\_glosarios'**

|  |  |
| --- | --- |
| **Tabla** | bi\_capturas\_glosarios |

**Primary Key 'pk\_capturas\_01'**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | | **Tipo** | | **Parent Tabla** | | | |
| id\_biglosario | | | | | PK | | ----- | | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | | **C3)** | **D4)** | **Comentarios** |
| PK | id\_biglosario | integer | NO | | NO | | NO | YES | Clave única de la bitácora para la tabla de captura de glosarios |
|  | id\_glosario | integer | NO | | NO | | NO | NO | Valor único del registro de la Captura Inicial |
|  | wmi | character varying (3) | YES | | NO | | NO | NO | valor del wmi (world manufactura identification), identificación del fabricante mundial |
|  | codigo\_wmi | character varying (7) | NO | | NO | | NO | YES | Código de la tabla WMI del esquema de REPUVE |
|  | id\_pais | integer | NO | | NO | | NO | NO | Clave única del registro del país |
|  | folio\_wmi | character varying (10) | YES | | NO | | NO | NO | Folio de atención del REPUVE |
|  | fecha\_alta\_wmi | timestamp without time zone | YES | | NO | | NO | NO | Fecha de alta del WMI |
|  | fecha\_registro\_wmi | timestamp without time zone | NO | | NO | | NO | NO | Fecha en que inserto el registro |
|  | descripcion\_wmi | character varying (500) | YES | | NO | | NO | NO | Descripción de la WMI |
|  | clave\_usuario | character varying (8) | NO | | NO | | NO | NO | Clave del usuario, se obtiene del WS de REPUVE |
|  | id\_estatus | integer | NO | | NO | | NO | NO | Clave única del registro del estatus |
|  | fecha\_inserta | timestamp without time zone | NO | | NO | | NO | NO | Fecha en que se captura el registro |
|  | fecha\_actualizacion | timestamp without time zone | YES | | NO | | NO | NO | Fecha de actualización del registro |
|  | movimiento | character varying (6) | NO | | NO | | NO | NO | Clavé de movimiento de la bitácora (Insert, delete, update) |
|  | fec\_mov\_bitacora | timestamp without time zone | NO | | NO | | NO | YES | Fecha de la base de datos en que se inserta el registro en la bitácora |
|  | usuario\_mov\_bitacora | character varying (20) | YES | | NO | | NO | YES | Usuario de la base de datos con la que se inserta el registro en la bitácora |
|  | usuario\_actualiza | character varying (20) | YES | | NO | | NO | YES | Usuario que actualiza el registro |
|  | nombre\_razonsocial | character varying (100) | YES | | NO | | NO | YES | nombre ó razón social del fabricante |
|  | wmi\_campo1 | character varying (1) | YES | | NO | | NO | YES | Valor del VMI(World Manufactura Identification),identificación del fabricante mundial, Carácter 1 |
|  | wmi\_campo2 | character varying (1) | YES | | NO | | NO | YES | Valor del VMI(World Manufactura Identification),identificación del fabricante mundial, Carácter 2 |
|  | wmi\_campo3 | character varying (1) | YES | | NO | | NO | YES | Valor del VMI(World Manufactura Identification),identificación del fabricante mundial, Carácter 3 |
|  | id\_wmi | integer | YES | | NO | | NO | YES | Clave única del catálogo de WMI (World Manufactura Identification) |
|  | cifi\_campo1 | character varying (1) | YES | | NO | | NO | YES | Primer campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | cifi\_campo2 | character varying (1) | YES | | NO | | NO | YES | Segundo campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | cifi\_campo3 | character varying (1) | YES | | NO | | NO | YES | Tercer campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | es\_productor | boolean | NO | | NO | | NO | YES | 1 = SI es productor de más de 500 vehículos 0 = NO es productor |

**Tabla 'bi\_datos\_vin'**

|  |  |
| --- | --- |
| **Tabla** | bi\_datos\_vin |

**Primary Key 'pk\_datosvin\_01'**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | | **Tipo** | | | **Parent Tabla** | | |
| bi\_id\_datos\_vin | | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** | |
| PK | id\_bidatos\_vin | integer | NO | | NO | NO | | YES | Clave única del registro de bitácora para los datos VIN | |
|  | id\_dato\_vin | integer | NO | | NO | NO | | YES | Clave única de registro de datos VIN | |
|  | id\_glosario | integer | NO | | NO | NO | | YES | Valor único del registro de la Captura Inicial | |
|  | combina | character varying (20) | YES | | NO | NO | | YES |  | |
|  | posicion\_vin | character varying (14) | NO | | NO | NO | | YES |  | |
|  | id\_anio\_modelo | integer | YES | | NO | NO | | YES | Clave única del año por modelo del automóvil | |
|  | planta\_ensamble | character varying (50) | YES | | NO | NO | | YES |  | |
|  | criterio\_anio | numeric (5) | NO | | NO | NO | | YES |  | |
|  | id\_ctvehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro ctvehiculos | |
|  | id\_tipo\_vehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro de tipos de vehículo | |
|  | usuario\_mov\_bitacora | character varying (20) | NO | | NO | NO | | YES | Usuario de la base de datos con la que se inserta el registro en la bitácora | |
|  | fec\_mov\_bitacora | timestamp without time zone | NO | | NO | NO | | YES | Fecha de la base de datos en que se inserta el registro en la bitácora | |
|  | movimiento | character varying (6) | NO | | NO | NO | | YES | Clavé de movimiento de la bitácora (Insert, delete, update) | |

**Tabla 'capturas\_glosarios'**

|  |  |
| --- | --- |
| **Tabla** | capturas\_glosarios |

**Primary Key 'pk\_capturas\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_glosario | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_glosario | integer | NO | | NO | NO | | YES | Valor único del registro de la Captura Inicial |
|  | wmi | character varying (3) | YES | | NO | NO | | YES | valor del wmi (world manufactura identification), identificación del fabricante mundial |
|  | codigo\_wmi | character varying (7) | NO | | NO | NO | | YES | Código de la tabla WMI del esquema de REPUVE |
| FK | id\_pais | integer | NO | | NO | NO | | YES | Clave única del registro del país |
|  | folio\_wmi | character varying (10) | YES | | NO | NO | | YES | Folio de atención del REPUVE |
|  | fecha\_alta\_wmi | date | YES | | NO | NO | | YES | Fecha de alta del WMI |
|  | fecha\_registro\_wmi | timestamp without time zone | NO | | NO | NO | | YES | Fecha en que inserto el registro |
|  | descripcion\_wmi | character varying (500) | YES | | NO | NO | | YES | Descripción de la WMI |
|  | clave\_usuario | character varying (8) | NO | | NO | NO | | YES | Clave del usuario, se obtiene del WS de REPUVE |
| FK | id\_estatus | integer | NO | | NO | NO | | YES | Clave única del registro del estatus |
|  | fecha\_inserta | timestamp without time zone | NO | | NO | NO | | YES | Fecha en que se captura el registro |
|  | fecha\_actualizacion | timestamp without time zone | YES | | NO | NO | | YES | Fecha de actualización del registro |
|  | usuario\_actualiza | character varying (20) | YES | | NO | NO | | YES | Usuario que actualiza el registro |
|  | nombre\_razonsocial | character varying (100) | YES | | NO | NO | | YES | nombre o razón social del fabricante |
|  | wmi\_campo1 | character varying (1) | NO | | NO | NO | | YES | Valor del VMI(World Manufactura Identification),identificación del fabricante mundial, Carácter 1 |
|  | wmi\_campo2 | character varying (1) | NO | | NO | NO | | YES | Valor del VMI (World Manufactura Identification), identificación del fabricante mundial, Carácter 2 |
|  | wmi\_campo3 | character varying (1) | NO | | NO | NO | | YES | Valor del VMI(World Manufactura Identification),identificación del fabricante mundial, Carácter 3 |
| FK | id\_wmi | integer | YES | | NO | NO | | YES | Clave única del catálogo de WMI (World Manufactura Identification) |
|  | cifi\_campo1 | character varying (1) | YES | | NO | NO | | YES | Primer campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | cifi\_campo2 | character varying (1) | YES | | NO | NO | | YES | Segundo campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | cifi\_campo3 | character varying (1) | YES | | NO | NO | | YES | tercer campo del CIFI (Código de Identificación del Fabricante Internacional) |
|  | es\_productor | boolean | YES | | NO | NO | | YES | 1 = SI es productor de más de 500 vehículos 0 = NO es productor |

**Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nombre Completo** | **Tipo** | **Parent Tabla** | **Child Tabla** | **Card.** |
| fk\_capturasglosarios\_catwmi\_19 | Non-identifying | cat\_wmi | capturas\_glosarios | 1:N |
| fk\_capturaglosario\_catpaises\_05 | Non-identifying | cat\_paises | capturas\_glosarios | 1:N |
| fk\_capturaglosarios\_catestatus\_11 | Non-identifying | cat\_estatus | capturas\_glosarios | 1:N |

**Indexes**

|  |  |  |
| --- | --- | --- |
| **Nombre Completo** | **Atributos** | **Unique** |
| idx\_catpaises\_idpais | id\_pais | NO |
| idx\_catestatus\_idestatus | id\_estatus | NO |

**Tabla '** **cat\_anios\_modelos'**

|  |  |
| --- | --- |
| **Tabla** | cat\_anios\_modelos |

**Primary Key 'pk\_caracteristicasvehi\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_anio\_modelo | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_anio\_modelo | integer | NO | | NO | NO | | YES | Clave única del año por modelo del automóvil |
|  | valor\_vin | character varying (3) | NO | | NO | NO | | YES | identificador del año, con respecto a la norma |
|  | anio\_vin | numeric (5) | NO | | NO | NO | | YES | año del modelo del vehículo |
|  | fecha\_inicio | timestamp without time zone | NO | | NO | NO | | YES | Fecha de ingreso del registro |
|  | fecha\_fin | timestamp without time zone | NO | | NO | NO | | YES | Fecha de fin del registro |
|  | es\_activo | boolean | NO | | NO | NO | | YES | es\_activo, valores true, false |

**Tabla 'caracteristicas\_vehiculos'**

|  |  |
| --- | --- |
| **Tabla** | caracteristicas\_vehiculos |

**Primary Key 'pk\_caracteristicasvehi\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_ctvehiculo | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_ctvehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro ctvehiculos |
| PK | id\_tipo\_vehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro de tipos de vehículo |
|  | caracteristica\_vehiculo | character varying (90) | YES | | NO | NO | | YES | Características del Vehículo |
|  | id\_cesvi\_oracle | integer | YES | | NO | NO | | YES | Identificador que aparece en la tabla de Oracle del esquema de REPUVE |
|  | fecha\_inicio | timestamp without time zone | NO | | NO | NO | | YES | Fecha de ingreso del registro |
|  | fecha\_fin | timestamp without time zone | NO | | NO | NO | | YES | Fecha de fin del registro |
|  | es\_activo | boolean | NO | | NO | NO | | YES | es\_activo, valores true, false |

**Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nombre Completo** | **Tipo** | **Parent Tabla** | **Child Tabla** | **Card.** |
| pk\_catcaracteristicasvehiculos\_01 | Non-identifying | cat\_tipos\_vehiculos | cat\_tipos\_vehiculos | 1:N |

**Indexes**

|  |  |  |
| --- | --- | --- |
| **Nombre Completo** | **Atributos** | **Unique** |
| idx\_cattipovehiculo\_idvehiculo | id\_tipo\_vehiculo | NO |

**Tabla 'cat\_estatus'**

|  |  |
| --- | --- |
| **Tabla** | cat\_estatus |

**Primary Key 'pk\_catestatus\_01'**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | | | | **Tipo** | | | | | **Parent Tabla** | | | | |
| id\_estatus | | | | | | | PK | | | | | ----- | | | | |
| **Key** | **Nombre Completo** | | **Tipo Dato** | | **N1)** | | | **U2)** | **C3)** | | | | **D4)** | **Comentarios** | |
| PK | id\_estatus | | integer | | NO | | | NO | NO | | | | YES | Clave única del registro del estatus | |
|  | tipo\_estatus | | character varying (80) | | YES | | | NO | NO | | | | YES | Tipo de estatus | |
| FK | id\_tipo\_usuario | | integer | | YES | | | NO | NO | | | | YES |  | |
|  | ordenamiento | | integer | | NO | | | NO | NO | | | | YES | Campo de ordenamiento, sirve para ordenar la descripción en el aplicativo | |
|  | fecha\_inicio | | timestamp without time zone | | NO | | | NO | NO | | | | YES | Fecha de ingreso del registro | |
|  | fecha\_fin | | timestamp without time zone | | NO | | | NO | NO | | | | YES | Fecha de fin del registro | |
|  | es\_activo | | boolean | | NO | | | NO | NO | | | | YES | es\_activo, valores true, false | |
|  | | |  | |  | | |  | | |  | |  | |  |  |

**Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nombre Completo** | **Tipo** | **Parent Tabla** | **Child Tabla** | **Card.** |
| fk\_catestatus\_cattiposusuarios\_id\_tipousuario | Non-identifying | cat\_tipos\_usuarios | cat\_estatus | 1:N |

**Indexes**

|  |  |  |
| --- | --- | --- |
| **Nombre Completo** | **Atributos** | **Unique** |
| idx\_cattipousuario\_idtipousuario | id\_tipo\_usuario | NO |

**Tabla 'cat\_marcas'**

|  |  |
| --- | --- |
| **Tabla** | cat\_marcas |

**Primary Key 'pk\_catmarcas\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_marca | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_marca | integer | NO | | NO | NO | | YES | Clave única del catálogo de marcas |
|  | valor\_marca | character varying (90) | YES | | NO | NO | | YES | Marca de vehículo |
|  | ordenamiento | integer | NO | | NO | NO | | YES | campo de ordenamiento, sirve para ordenar la descripción en el aplicativo |
|  | fecha\_inicio | timestamp without time zone | NO | | NO | NO | | YES | Fecha de ingreso del registro |
|  | fecha\_fin | timestamp without time zone | NO | | NO | NO | | YES | Fecha de fin del registro |
|  | es\_activo | boolean | NO | | NO | NO | | YES | es\_activo, valores true, false |

**Tabla 'cat\_paises'**

|  |  |
| --- | --- |
| **Tabla** | cat\_paises |

**Primary Key 'pk\_catpaises\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | **Parent Tabla** | | | |
| id\_pais | | | | PK | | ----- | | | |
| **Key** | | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | | **C3)** | **D4)** | **Comentarios** |
| PK | | id\_pais | integer | NO | | NO | | NO | YES | Clave única del registro del pais |
|  | | valor | character varying (90) | NO | | NO | | NO | YES | Nombre del pais |
|  | | ordenamiento | integer | NO | | NO | | NO | YES | Campo de ordenamiento, sirve para ordenar la descripción en el aplicativo |
|  | | fecha\_inicio | timestamp without time zone | NO | | NO | | NO | YES | Fecha de ingreso del registro |
|  | | fecha\_fin | timestamp without time zone | NO | | NO | | NO | YES | Fecha de fin del registro |
|  | | es\_activo | boolean | NO | | NO | | NO | YES | es\_activo, valores true, false |

**Tabla 'cat\_tipos\_usuarios'**

|  |  |
| --- | --- |
| **Tabla** | cat\_tipos\_usuarios |

**Primary Key 'pk\_cat\_tipos\_usuarios'**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_tipo\_usuario | | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_tipo\_usuario | Serial | YES | | NO | NO | | NO | Clave única del registro de tipo de usuarios |
|  | tipo\_usuario | Character varying(20) | YES | | NO | NO | | NO | Tipo de usuario |
|  | fecha\_inicio | Timestamp with time zone | YES | | NO | NO | | YES | Fecha de ingreso del registro |
|  | fecha\_fin | Timestamp with time zone | YES | | NO | NO | | YES | Fecha de fin del registro |
|  | es\_activo | Boolean | YES | | NO | NO | | YES | es\_activo, valores: true, false |

**Tabla 'cat\_tipos\_vehiculos'**

|  |  |
| --- | --- |
| **Tabla** | cat\_tipos\_vehiculos |

**Primary Key 'pk\_cattiposvehiculos\_01'**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | | |
| id\_tipo\_vehiculo | | | | PK | | | ----- | | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_tipo\_vehiculo | integer | NO | | NO | NO | | YES | Clave única del registro de tipos de vehículo |
|  | valor | character varying (90) | YES | | NO | NO | | YES | Tipo de vehículo |
|  | id\_cesvi\_oracle | integer | NO | | NO | NO | | YES | Identificador que aparece en la tabla de de Oracle del esquema de REPUVE |
|  | ordenamiento | smallint | NO | | NO | NO | | YES | Campo de ordenamiento, sirve para ordenar la descripción en el aplicativo |
|  | fecha\_inicio | timestamp without time zone | NO | | NO | NO | | YES | Fecha de ingreso del registro |
|  | fecha\_fin | timestamp without time zone | NO | | NO | NO | | YES | Fecha de fin del registro |
|  | es\_activo | boolean | NO | | NO | NO | | YES | es\_activo, valores true, false |

**Tabla 'cat\_wmi'**

|  |  |
| --- | --- |
| **Tabla** | cat\_tipos\_vehiculos |

**Primary Key '** **pk\_catwmi\_01'**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | | |
| id\_wmi | | | | PK | | | ----- | | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_wmi | integer | NO | | NO | NO | | YES |  |
|  | id\_marca | integer | NO | | NO | NO | | YES |  |
|  | valor\_wmi | character varying (3) | NO | | NO | NO | | YES |  |
|  | marca\_comercial | character varying (50) | NO | | NO | NO | | YES |  |
|  | descripcion\_valor | character varying (35) | NO | | NO | NO | | YES |  |
|  | fecha\_inicio | timestamp without time zone | NO | | NO | NO | | YES | Fecha de fin del registro |
|  | fecha\_fin | timestamp without time zone | NO | | NO | NO | | YES | Fecha de ingreso del registro |

**Tabla 'datos\_vin'**

|  |  |
| --- | --- |
| **Tabla** | datos\_vin |

**Primary Key 'pk\_datosvin\_01'**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_dato\_vin | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** | |
| PK | id\_dato\_vin | integer | NO | | NO | NO | | YES | Clave única de registro de datos VIN | |
|  | id\_glosario | integer | NO | | NO | NO | | YES | Valor único del registro de la Captura Inicial | |
|  | combina | character varying (20) | YES | | NO | NO | | YES | Es la concatenación del campo, captura\_glosario.codigo\_wmi + datos\_vin.posicion\_vin | |
|  | posicion\_vin | character varying (14) | NO | | NO | NO | | YES | Posiciones en que se encuentra en la cadena del VIN | |
|  | id\_anio\_modelo | integer | YES | | NO | NO | | YES | Clave única del año por modelo del automóvil | |
|  | planta\_ensamble | character varying (50) | YES | | NO | NO | | YES |  | |
|  | criterio\_anio | numeric (5) | NO | | NO | NO | | YES |  | |
| FK | id\_ctvehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro ctvehiculos | |
| FK | id\_tipo\_vehiculo | smallint | NO | | NO | NO | | YES | Clave única del registro de tipos de vehículo | |

**Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nombre Completo** | **Tipo** | **Parent Tabla** | **Child Tabla** | **Card.** |
| fk\_datosvin\_cataniosmodelos\_05 | Non-identifying | cat\_anios\_modelos | datos\_vin | 1:N |
| fk\_datosvin\_catcaracteristicasvehiculos\_0809 | Non-identifying | cat\_caracteristicas\_vehiculos | datos\_vin | 1:N |
| fk\_datosvin\_catcaracteristicasvehiculos\_0809 | fk\_datosvin\_cataniosmodelos\_05 | cat\_caracteristicas\_vehiculos | datos\_vin | 1:N |
| fk\_datosvin\_capturasglosarios\_02 | fk\_datosvin\_catcaracteristicasvehiculos\_0809 | capturas\_glosarios | datos\_vin | 1:N |

**Indexes**

|  |  |  |
| --- | --- | --- |
| **Nombre Completo** | **Atributos** | **Unique** |
| idx\_capglosarios\_idglosario | id\_glosario | NO |
| idx\_cataniosmodelos\_idaniomodelo | id\_anio\_modelo | NO |

**Tabla '** **valores\_vehiculos'**

|  |  |
| --- | --- |
| **Tabla** | valores\_vehiculos |

**Primary Key '** **id\_valor\_vehiculo’**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Atributo** | | | | | **Tipo** | | | **Parent Tabla** | | |
| id\_tipo\_usuario | | | | | PK | | | ----- | | |
| **Key** | **Nombre Completo** | **Tipo Dato** | **N1)** | | **U2)** | **C3)** | | **D4)** | **Comentarios** |
| PK | id\_valor\_vehiculo | integer | NO | | NO | NO | | YES | Clave única del registro de valor vehicular |
|  | id\_datos\_vin | integer | NO | | NO | NO | | YES | Clave única de registro de datos VIN |
|  | valor\_posicion | character varying (7) | NO | | NO | NO | | YES |  |
|  | descripcion\_valor | character varying (35) | NO | | NO | NO | | YES | Descripción del valor de la posición capturada |

**Relationships**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nombre Completo** | **Tipo** | **Parent Tabla** | **Child Tabla** | **Card.** |
| fk\_valoresvehiculos\_datosvin\_02 | Non-identifying | datos\_vin | valores\_vehiculos | 1:N |

1)Not Null

2)Unique

3)Check

4)Default

**Listado de Atributos**

| **REG.** | **Campo** | **Tabla** | **Tipo** | **PK** | **FK** |
| --- | --- | --- | --- | --- | --- |
| 1 | id\_biglosario | bi\_capturas\_glosarios | integer | YES | NO |
| 2 | id\_glosario | bi\_capturas\_glosarios | integer | NO | NO |
| 3 | wmi | bi\_capturas\_glosarios | character varying (3) | NO | NO |
| 4 | codigo\_wmi | bi\_capturas\_glosarios | character varying (7) | NO | NO |
| 5 | id\_pais | bi\_capturas\_glosarios | integer | NO | NO |
| 6 | folio\_wmi | bi\_capturas\_glosarios | character varying (10) | NO | NO |
| 7 | fecha\_alta\_wmi | bi\_capturas\_glosarios | timestamp without time zone | NO | NO |
| 8 | fecha\_registro\_wmi | bi\_capturas\_glosarios | timestamp without time zone | NO | NO |
| 9 | descripcion\_wmi | bi\_capturas\_glosarios | character varying (500) | NO | NO |
| 10 | clave\_usuario | bi\_capturas\_glosarios | character varying (8) | NO | NO |
| 11 | id\_estatus | bi\_capturas\_glosarios | integer | NO | NO |
| 12 | fecha\_inserta | bi\_capturas\_glosarios | timestamp without time zone | NO | NO |
| 13 | fecha\_actualizacion | bi\_capturas\_glosarios | timestamp without time zone | NO | NO |
| 14 | movimiento | bi\_capturas\_glosarios | character varying (6) | NO | NO |
| 15 | fec\_mov\_bitacora | bi\_capturas\_glosarios | timestamp without time zone | NO | NO |
| 16 | usuario\_mov\_bitacora | bi\_capturas\_glosarios | character varying (20) | NO | NO |
| 17 | usuario\_actualiza | bi\_capturas\_glosarios | character varying (20) | NO | NO |
| 18 | nombre\_razonsocial | bi\_capturas\_glosarios | character varying (100) | NO | NO |
| 19 | wmi\_campo1 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 20 | wmi\_campo2 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 21 | wmi\_campo3 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 22 | id\_wmi | bi\_capturas\_glosarios | integer | NO | NO |
| 23 | cifi\_campo1 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 24 | cifi\_campo2 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 25 | cifi\_campo3 | bi\_capturas\_glosarios | character varying (1) | NO | NO |
| 26 | es\_productor | bi\_capturas\_glosarios | boolean | NO | NO |
| 27 | id\_bidatos\_vin | bi\_datos\_vin | integer | YES | NO |
| 28 | id\_dato\_vin | bi\_datos\_vin | integer | NO | NO |
| 29 | id\_glosario | bi\_datos\_vin | integer | NO | NO |
| 30 | combina | bi\_datos\_vin | character varying (20) | NO | NO |
| 31 | posicion\_vin | bi\_datos\_vin | character varying (14) | NO | NO |
| 32 | id\_anio\_modelo | bi\_datos\_vin | integer | NO | NO |
| 33 | planta\_ensamble | bi\_datos\_vin | character varying (50) | NO | NO |
| 34 | criterio\_anio | bi\_datos\_vin | numeric (5) | NO | NO |
| 35 | id\_ctvehiculo | bi\_datos\_vin | smallint | NO | NO |
| 36 | id\_tipo\_vehiculo | bi\_datos\_vin | smallint | NO | NO |
| 37 | usuario\_mov\_bitacora | bi\_datos\_vin | character varying (20) | NO | NO |
| 38 | fec\_mov\_bitacora | bi\_datos\_vin | timestamp without time zone | NO | NO |
| 39 | movimiento | bi\_datos\_vin | character varying (6) | NO | NO |
| 40 | id\_glosario | capturas\_glosarios | integer | YES | NO |
| 41 | wmi | capturas\_glosarios | character varying (3) | NO | NO |
| 42 | codigo\_wmi | capturas\_glosarios | character varying (7) | NO | NO |
| 43 | id\_pais | capturas\_glosarios | integer | NO | YES |
| 44 | folio\_wmi | capturas\_glosarios | character varying (10) | NO | NO |
| 45 | fecha\_alta\_wmi | capturas\_glosarios | date | NO | NO |
| 46 | fecha\_registro\_wmi | capturas\_glosarios | timestamp without time zone | NO | NO |
| 47 | descripcion\_wmi | capturas\_glosarios | character varying (500) | NO | NO |
| 48 | clave\_usuario | capturas\_glosarios | character varying (8) | NO | NO |
| 49 | id\_estatus | capturas\_glosarios | integer | NO | YES |
| 50 | fecha\_inserta | capturas\_glosarios | timestamp without time zone | NO | NO |
| 51 | fecha\_actualizacion | capturas\_glosarios | timestamp without time zone | NO | NO |
| 52 | usuario\_actualiza | capturas\_glosarios | character varying (20) | NO | NO |
| 53 | nombre\_razonsocial | capturas\_glosarios | character varying (100) | NO | NO |
| 54 | wmi\_campo1 | capturas\_glosarios | character varying (1) | NO | NO |
| 55 | wmi\_campo2 | capturas\_glosarios | character varying (1) | NO | NO |
| 56 | wmi\_campo3 | capturas\_glosarios | character varying (1) | NO | NO |
| 57 | id\_wmi | capturas\_glosarios | integer | NO | YES |
| 58 | cifi\_campo1 | capturas\_glosarios | character varying (1) | NO | NO |
| 59 | cifi\_campo2 | capturas\_glosarios | character varying (1) | NO | NO |
| 60 | cifi\_campo3 | capturas\_glosarios | character varying (1) | NO | NO |
| 61 | es\_productor | bi\_capturas\_glosarios | boolean | NO | NO |
| 62 | id\_anio\_modelo | cat\_anios\_modelos | integer | YES | NO |
| 63 | valor\_vin | cat\_anios\_modelos | character varying (3) | NO | NO |
| 64 | anio\_vin | cat\_anios\_modelos | numeric (5) | NO | NO |
| 65 | fecha\_inicio | cat\_anios\_modelos | timestamp without time zone | NO | NO |
| 66 | fecha\_fin | cat\_anios\_modelos | timestamp without time zone | NO | NO |
| 67 | es\_activo | cat\_anios\_modelos | boolean | NO | NO |
| 68 | id\_ctvehiculo | cat\_caracteristicas\_vehiculos | smallint | YES | NO |
| 69 | id\_tipo\_vehiculo | cat\_caracteristicas\_vehiculos | smallint | NO | NO |
| 70 | caracteristica\_vehiculo | cat\_caracteristicas\_vehiculos | character varying (90) | NO | YES |
| 71 | id\_cesvi\_oracle | cat\_caracteristicas\_vehiculos | integer | NO | NO |
| 72 | fecha\_inicio | cat\_caracteristicas\_vehiculos | timestamp without time zone | NO | NO |
| 73 | fecha\_fin | cat\_caracteristicas\_vehiculos | timestamp without time zone | NO | NO |
| 74 | es\_activo | cat\_caracteristicas\_vehiculos | boolean | NO | NO |
| 75 | id\_estatus | cat\_estatus | integer | YES | NO |
| 76 | tipo\_estatus | cat\_estatus | character varying (80) | NO | NO |
| 77 | id\_tipo\_usuario | cat\_estatus | integer | NO | YES |
| 78 | ordenamiento | cat\_estatus | integer | NO | NO |
| 79 | fecha\_inicio | cat\_estatus | timestamp without time zone | NO | NO |
| 80 | fecha\_fin | cat\_estatus | timestamp without time zone | NO | NO |
| 81 | es\_activo | cat\_estatus | boolean | NO | NO |
| 82 | id\_marca | cat\_marcas | integer | YES | NO |
| 83 | valor\_marca | cat\_marcas | character varying (90) | NO | NO |
| 84 | ordenamiento | cat\_marcas | integer | NO | NO |
| 85 | fecha\_inicio | cat\_marcas | timestamp without time zone | NO | NO |
| 86 | fecha\_fin | cat\_marcas | timestamp without time zone | NO | NO |
| 87 | es\_activo | cat\_marcas | boolean | NO | NO |
| 88 | id\_pais | cat\_paises | integer | YES | NO |
| 89 | valor | cat\_paises | character varying (90) | NO | NO |
| 90 | ordenamiento | cat\_paises | integer | NO | NO |
| 91 | fecha\_inicio | cat\_paises | timestamp without time zone | NO | NO |
| 92 | fecha\_fin | cat\_paises | timestamp without time zone | NO | NO |
| 93 | es\_activo | cat\_paises | boolean | NO | NO |
| 94 | id\_tipo\_usuario | cat\_tipos\_usuarios | integer | YES | NO |
| 95 | tipo\_usuario | cat\_tipos\_usuarios | character varying (20) | NO | NO |
| 96 | fecha\_inicio | cat\_tipos\_usuarios | timestamp without time zone | NO | NO |
| 97 | fecha\_fin | cat\_tipos\_usuarios | timestamp without time zone | NO | NO |
| 98 | es\_activo | cat\_tipos\_usuarios | boolean | NO | NO |
| 99 | id\_tipo\_vehiculo | cat\_tipos\_vehiculos | integer | YES | NO |
| 100 | valor | cat\_tipos\_vehiculos | character varying (90) | NO | NO |
| 101 | id\_cesvi\_oracle | cat\_tipos\_vehiculos | integer | NO | NO |
| 102 | ordenamiento | cat\_tipos\_vehiculos | smallint | NO | NO |
| 103 | fecha\_inicio | cat\_tipos\_vehiculos | timestamp without time zone | NO | NO |
| 104 | fecha\_fin | cat\_tipos\_vehiculos | timestamp without time zone | NO | NO |
| 105 | es\_activo | cat\_tipos\_vehiculos | boolean | NO | NO |
| 106 | id\_wmi | cat\_wmi | integer | YES | NO |
| 107 | id\_marca | cat\_wmi | integer | NO | NO |
| 108 | valor\_wmi | cat\_wmi | character varying (3) | NO | NO |
| 109 | marca\_comercial | cat\_wmi | character varying (50) | NO | NO |
| 110 | descripcion\_valor | cat\_wmi | character varying (35) | NO | NO |
| 111 | fecha\_inicio | cat\_wmi | timestamp without time zone | NO | NO |
| 112 | fecha\_fin | cat\_wmi | timestamp without time zone | NO | NO |
| 113 | id\_dato\_vin | datos\_vin | integer | YES | NO |
| 114 | id\_glosario | datos\_vin | integer | NO | NO |
| 115 | combina | datos\_vin | character varying (20) | NO | NO |
| 116 | posicion\_vin | datos\_vin | character varying (14) | NO | NO |
| 117 | id\_anio\_modelo | datos\_vin | integer | NO | YES |
| 118 | planta\_ensamble | datos\_vin | character varying (50) | NO | NO |
| 119 | criterio\_anio | datos\_vin | numeric (5) | NO | NO |
| 120 | id\_ctvehiculo | datos\_vin | smallint | NO | YES |
| 121 | id\_tipo\_vehiculo | datos\_vin | smallint | NO | YES |
| 122 | id\_valor\_vehiculo | valores\_vehiculos | integer | YES | NO |
| 123 | id\_datos\_vin | valores\_vehiculos | integer | NO | YES |
| 124 | valor\_posicion | valores\_vehiculos | character varying (7) | NO | NO |

**Funciones**

|  |  |  |
| --- | --- | --- |
| **Reg.** | **Nombre** | **Comentario** |
| 1 | fn\_bi\_capturas\_glosarios | Bitacorita todo movimiento de la tabla capturas\_glosarios a la tabla bit\_capturas\_glosarios |
| 2 | fn\_genera\_wmi | genera el campo WMI de la tabla capturas\_glosarios |
| 3 | fn\_changestatus | Actualiza fecha\_fin o la fecha\_inicio cuando se activa el registro o se desactiva |
| 4 | fn\_generacombina | Genera el campo combina de la tabla capturas\_glosarios |
| 5 | fn\_bit\_datos\_vin | Bitacoriza todo movimiento de la tabla datos\_vin a la tabla bit\_datos\_vin |

**Triggers**

|  |  |  |  |
| --- | --- | --- | --- |
| **Reg.** | **Nombre** | **Tabla** | **Función a ejecutar** |
| 1 | tr\_actualizacapturasglosarios | capturas\_glosarios | fn\_bi\_capturas\_glosarios |
| 2 | tr\_genera\_wmi | capturas\_glosarios | fn\_genera\_wmi |
| 3 | tr\_actualizadatosaniosmodelos | cat\_anios\_modelos | fn\_changestatus |
| 4 | tr\_actualizadatoscaracteristicasveh | cat\_caracteristicas\_vehiculos | fn\_changestatus |
| 5 | tr\_actualizadatosestatus | cat\_estatus | fn\_changestatus |
| 6 | tr\_actualizadatosmarcas | cat\_marcas | fn\_changestatus |
| 7 | tr\_actualizadatospaises | cat\_paises | fn\_changestatus |
| 8 | tr\_actualizadatosusuarios | cat\_tipos\_usuarios | fn\_changestatus |
| 9 | tr\_actualizadatosvehiculos | cat\_tipos\_vehiculos | fn\_changestatus |
| 10 | tr\_actualizacampocombina | datos\_vin | fn\_generacombina |
| 11 | tr\_actualizadatosvin | datos\_vin | fn\_bit\_datos\_vin |

**Procedimiento**

|  |  |  |
| --- | --- | --- |
| **Reg.** | **Nombre** | **Comentario** |
| 1 | pr\_vmclave | Genera Folio de atención del REPUVE |

Nota: este procedimiento pertenece al esquema de “REPUVENORMAL” de Oracle

**Consideraciones**

Estrategia de respaldos.

Se recomienda:

- Realizar un respaldo diario incremental.

- Realizar un respaldo total cada semana de la base de datos

Firmas de elaboración, revisión y aprobación.

**Fecha de Elaboración:** 27 de ABRIL del 2021

|  |  |  |
| --- | --- | --- |
| **Elaboró** | **Revisó** | **Aprobó** |
| José Luis Curiel Romero  Subdirector de Área | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Subdirector de Área | Javier Jesús Alvarez Guerrero  Director de Área |