

Sybase PowerDesigner Logical Data Model Report

***Model: ML_Banquito_Comercializadora
Report: Diccionario_ML_Comercializadora***



Author: nahir
Version:
Date: 16/12/2025
Summary:

Table of Contents

The 'Table of Contents' field needs to be updated!

I Introduction

I.1 Description

I.2 Card of model ML_Banquito_Comercializadora

Name	ML_Banquito_Comercializadora
Code	MF_BANQUITO_COMERCIALIZADORA
Comment	
Author	
Version	

II Short model description

II.1 Non graphical objects

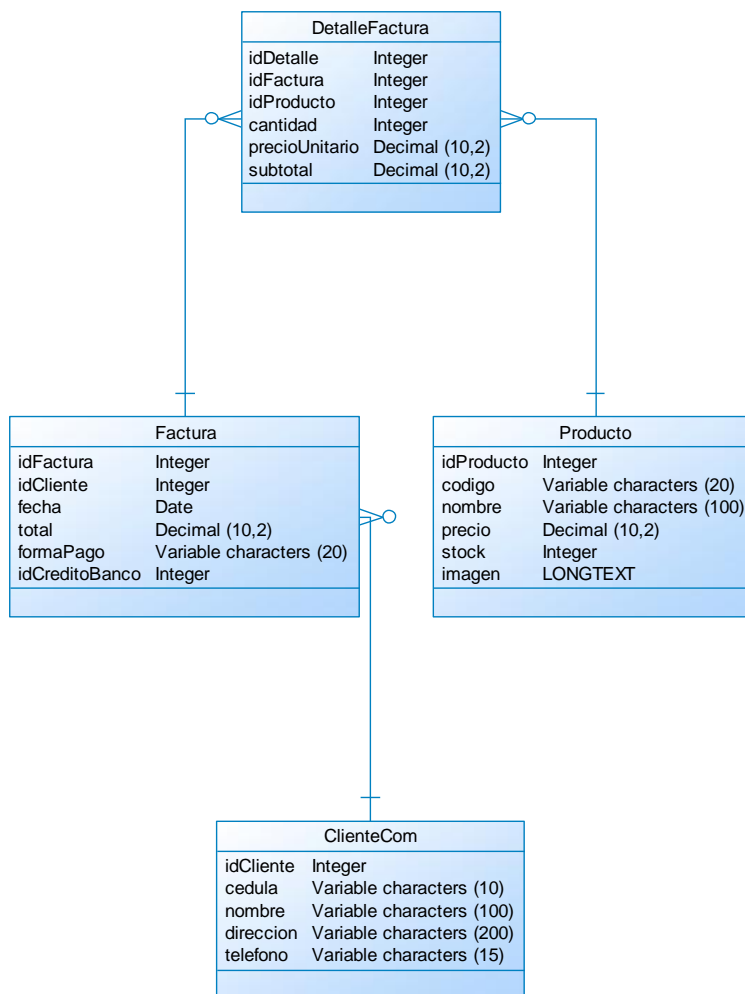
II.1.1 List of business rules

Name	Code	Rule Type
chk_precio_unitario_positivo	chk_precio_unitario_positivo	Constraint
chk_stock_positivo	chk_stock_positivo	Constraint
chk_subtotal_positivo	chk_subtotal_positivo	Constraint
chk_total_positivo	chk_total_positivo	Constraint

II.2 List of diagrams

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

II.3 Diagram ML_Comercializadora



II.3.1 List of entities in diagram

Name	Code	Parent	Generate	Number
ClienteCom	ClienteCom	Logical Data Model 'ML_Banquito_Co mercializadora'	X	
DetalleFactura	DetalleFactura	Logical Data Model 'ML_Banquito_Co mercializadora'	X	
Factura	Factura	Logical Data Model 'ML_Banquito_Co mercializadora'	X	
Producto	Producto	Logical Data Model 'ML_Banquito_Co mercializadora'	X	

II.3.2 List of relationships in diagram

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 -> Entity 2 Role Cardinality	Entity 2 -> Entity 1 Role Cardinality
fk_detalle_factura	fk_detalle_factura	Logical Data Model 'ML_Banquito_Comercializadora'	X	DetalleFactura	Factura		0,n	1,1
fk_detalle_producto	fk_detalle_producto	Logical Data Model 'ML_Banquito_Comercializadora'	X	DetalleFactura	Producto		0,n	1,1
fk_factura_cliente	fk_factura_cliente	Logical Data Model 'ML_Banquito_Comercializadora'	X	Factura	Cliente Com		0,n	1,1

III Full model description

III.1 Non graphical objects

III.1.1 List of business rules

Name	Code	Rule Type
chk_precio_unitario_positivo	chk_precio_unitario_positivo	Constraint
chk_stock_positivo	chk_stock_positivo	Constraint
chk_subtotal_positivo	chk_subtotal_positivo	Constraint
chk_total_positivo	chk_total_positivo	Constraint

III.1.2 Business rule *chk_precio_unitario_positivo*

III.1.2.1 Card of business rule *chk_precio_unitario_positivo*

Name	chk_precio_unitario_positivo
Code	chk_precio_unitario_positivo
Comment	
Rule Type	Constraint

III.1.2.2 Server expression of the business rule *chk_precio_unitario_positivo*

precioUnitario > 0

III.1.2.3 List of attached objects of the business rule *chk_precio_unitario_positivo*

Short Description
Entity 'DetalleFactura'

III.1.3 Business rule *chk_stock_positivo*

III.1.3.1 Card of business rule *chk_stock_positivo*

Name	chk_stock_positivo
Code	chk_stock_positivo
Comment	
Rule Type	Constraint

III.1.3.2 Server expression of the business rule *chk_stock_positivo*

stock >= 0

III.1.3.3 List of attached objects of the business rule *chk_stock_positivo*

Short Description

Entity 'Producto'

III.1.4 Business rule *chk_subtotal_positivo*

III.1.4.1 Card of business rule *chk_subtotal_positivo*

Name	chk_subtotal_positivo
Code	chk_subtotal_positivo
Comment	
Rule Type	Constraint

III.1.4.2 Server expression of the business rule *chk_subtotal_positivo*

subtotal > 0

III.1.4.3 List of attached objects of the business rule *chk_subtotal_positivo*

Short Description
Entity 'DetalleFactura'

III.1.5 Business rule *chk_total_positivo*

III.1.5.1 Card of business rule *chk_total_positivo*

Name	chk_total_positivo
Code	chk_total_positivo
Comment	
Rule Type	Constraint

III.1.5.2 Server expression of the business rule *chk_total_positivo*

total > 0

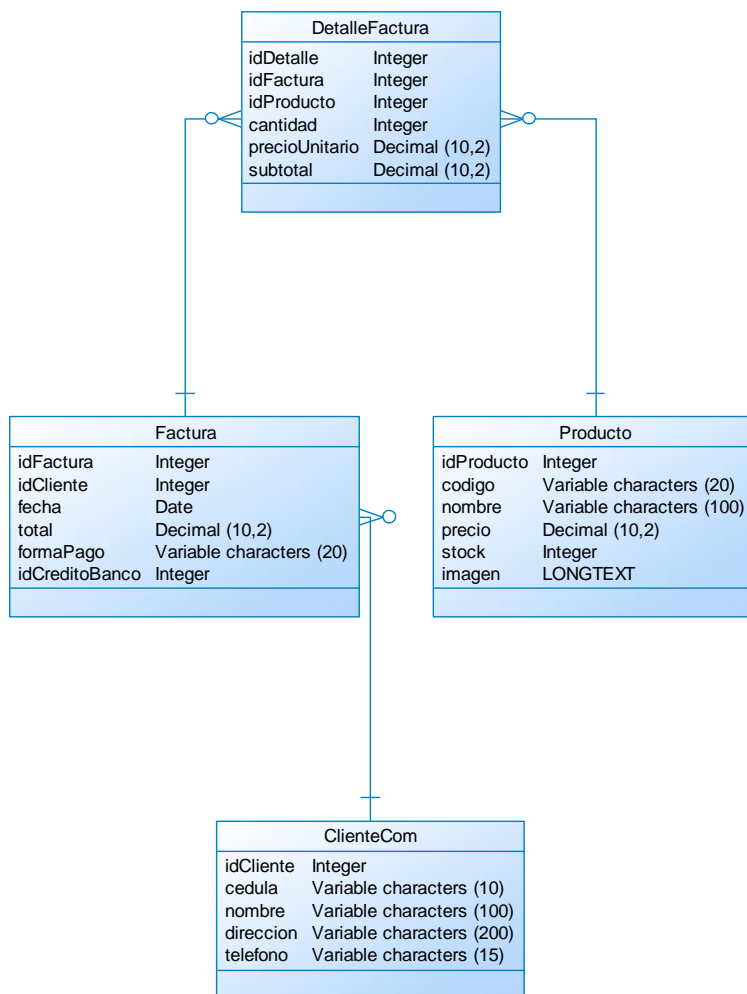
III.1.5.3 List of attached objects of the business rule *chk_total_positivo*

Short Description
Entity 'Factura'

III.2 List of diagrams

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3 Diagram ML_Comercializadora



III.3.1 List of entities in diagram

Name	Code	Parent	Generate	Number
ClienteCom	ClienteCom	Logical Data Model 'ML_Banquito_Comercializadora'	X	
DetalleFactura	DetalleFactura	Logical Data Model 'ML_Banquito_Comercializadora'	X	
Factura	Factura	Logical Data Model 'ML_Banquito_Comercializadora'	X	
Producto	Producto	Logical Data Model 'ML_Banquito_Comercializadora'	X	

III.3.1.1 Entity ClienteCom

III.3.1.1.1 Card of entity ClienteCom

Name	ClienteCom
Code	ClienteCom
Parent	Logical Data Model 'ML_Banquito_Comercializadora'
Comment	
Generate	Yes
Number	

III.3.1.1.2 List of relationships of the entity ClienteCom

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 - > Entity 2 Role Cardinality	Entity 2 - > Entity 1 Role Cardinality
fk_factura_cliente	fk_factura_cliente	X	Factura	ClienteCom		0,n	1,1

III.3.1.1.3 List of diagrams containing the entity ClienteCom

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.1.4 List of attributes of the entity ClienteCom

Name	Code	Data Type	Mandatory	Inherited From
idCliente cedula	IDCLIENTE CEDULA	Integer	X	
nombre	NOMBRE	Variable characters (10)	X	
direccion	DIRECCION	Variable characters (100)		
telefono	TELEFONO	Variable characters (200)		
		Variable characters (15)		

III.3.1.2 Entity DetalleFactura

III.3.1.2.1 Card of entity DetalleFactura

Name	DetalleFactura
Code	DetalleFactura
Parent	Logical Data Model 'ML_Banquito_Comercializadora'

Comment Generate Number	Yes
-------------------------------	-----

III.3.1.2.2 List of associated business rules of the entity *DetalleFactura*

Name	Code	Rule Type
chk_precio_unitario_positivo	chk_precio_unitario_positivo	Constraint
chk_subtotal_positivo	chk_subtotal_positivo	Constraint

III.3.1.2.3 List of relationships of the entity *DetalleFactura*

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 - > Entity 2 Role Cardinality	Entity 2 - > Entity 1 Role Cardinality
fk_detalle_factura	fk_detalle_factura	X	DetalleFactura	Factura		0,n	1,1
fk_detalle_producto	fk_detalle_producto	X	DetalleFactura	Producto		0,n	1,1

III.3.1.2.4 List of diagrams containing the entity *DetalleFactura*

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.2.5 List of attributes of the entity *DetalleFactura*

Name	Code	Data Type	Mandatory	Inherited From
idDetalle	IDDETALLE	Integer		
idFactura	IDFACTURA	Integer	X	
idProducto	IDPRODUCTO	Integer	X	
cantidad	CANTIDAD	Integer	X	
precioUnitario	PRECIOUNITARIO	Decimal (10,2)	X	
subtotal	SUBTOTAL	Decimal (10,2)	X	

III.3.1.3 Entity Factura

III.3.1.3.1 Card of entity *Factura*

Name	Factura
Code	Factura

Parent Comment Generate Number	Logical Data Model 'ML_Banquito_Comercializadora' Yes
--------------------------------	--

III.3.1.3.2 List of associated business rules of the entity Factura

Name	Code	Rule Type
chk_total_positivo	chk_total_positivo	Constraint

III.3.1.3.3 List of relationships of the entity Factura

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 - > Entity 2 Role Cardinality	Entity 2 - > Entity 1 Role Cardinality
fk_detalle_factura	fk_detalle_factura	X	DetalleFactura	Factura		0,n	1,1
fk_factura_cliente	fk_factura_cliente	X	Factura	ClienteCom		0,n	1,1

III.3.1.3.4 List of diagrams containing the entity Factura

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.3.5 List of attributes of the entity Factura

Name	Code	Data Type	Mandatory	Inherited From
idFactura	IDFACTURA	Integer		
idCliente	IDCLIENTE	Integer	X	
fecha	FECHA	Date	X	
total	TOTAL	Decimal (10,2)	X	
formaPago	FORMAPAGO	Variable characters (20)	X	
idCreditoBanco	IDCREDITOBANCO	Integer		

III.3.1.4 Entity Producto

III.3.1.4.1 Card of entity Producto

Name	Producto
Code	Producto

Parent Comment Generate Number	Logical Data Model 'ML_Banquito_Comercializadora' Yes
--------------------------------	--

III.3.1.4.2 List of associated business rules of the entity Producto

Name	Code	Rule Type
chk_stock_positivo	chk_stock_positivo	Constraint

III.3.1.4.3 List of relationships of the entity Producto

Name	Code	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 - > Entity 2 Role Cardinality	Entity 2 - > Entity 1 Role Cardinality
fk_detalle_producto	fk_detalle_producto	X	DetalleFactura	Producto		0,n	1,1

III.3.1.4.4 List of diagrams containing the entity Producto

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.1.4.5 List of attributes of the entity Producto

Name	Code	Data Type	Mandatory	Inherited From
idProducto codigo	IDPRODUCTO CODIGO	Integer	X	
nombre	NOMBRE	Variable characters (20)	X	
precio	PRECIO	Variable characters (100)	X	
stock	STOCK	Decimal (10,2)	X	
imagen	IMAGEN	Integer	X	
		LONGTEXT		

III.3.2 List of relationships in diagram

Name	Code	Parent	Generate	Entity 2	Entity 1	Dependent Role	Entity 1 - > Entity 2 Role Cardinality	Entity 2 - > Entity 1 Role Cardinality
fk_detalle	fk_detalle	Logical	X	DetalleFa	Factura		0,n	1,1

e_factura	_factura	Data Model 'ML_Banquito_Comercializadora'		ctura				
fk_detalle_producto	fk_detalle_producto	Logical Data Model 'ML_Banquito_Comercializadora'	X	DetalleFactura	Producto		0,n	1,1
fk_factura_cliente	fk_factura_cliente	Logical Data Model 'ML_Banquito_Comercializadora'	X	Factura	ClienteCom		0,n	1,1

III.3.2.1 Relationship fk_detalle_factura

III.3.2.1.1 Card of relationship fk_detalle_factura

Name	fk_detalle_factura
Code	fk_detalle_factura
Parent	Logical Data Model 'ML_Banquito_Comercializadora'
Comment	
Generate	Yes
Entity 1	Factura
Entity 2	DetalleFactura
Dependent Role	<None>
Entity 1 -> Entity 2	0,n
Role Cardinality	
Entity 2 -> Entity 1	1,1
Role Cardinality	
Assertion	Each Factura may have one or more DetalleFactura. Each DetalleFactura must have one and only one Factura.

III.3.2.1.2 List of diagrams containing the relationship fk_detalle_factura

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.1.3 List of relationship joins of the relationship fk_detalle_factura

Display Name	Parent Attribute	Child Attribute
idFactura = idFactura	idFactura	idFactura

III.3.2.2 Relationship fk_detalle_producto

III.3.2.2.1 Card of relationship fk_detalle_producto

Name	fk_detalle_producto
Code	fk_detalle_producto
Parent	Logical Data Model 'ML_Banquito_Comercializadora'
Comment	
Generate	Yes
Entity 1	Producto
Entity 2	DetalleFactura
Dependent Role	<None>
Entity 1 -> Entity 2	0,n
Role Cardinality	
Entity 2 -> Entity 1	1,1
Role Cardinality	
Assertion	Each Producto may have one or more DetalleFactura. Each DetalleFactura must have one and only one Producto.

III.3.2.2.2 List of diagrams containing the relationship fk_detalle_producto

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.2.3 List of relationship joins of the relationship fk_detalle_producto

Display Name	Parent Attribute	Child Attribute
idProducto = idProducto	idProducto	idProducto

III.3.2.3 Relationship fk_factura_cliente

III.3.2.3.1 Card of relationship fk_factura_cliente

Name	fk_factura_cliente
Code	fk_factura_cliente
Parent	Logical Data Model 'ML_Banquito_Comercializadora'
Comment	
Generate	Yes
Entity 1	ClienteCom
Entity 2	Factura
Dependent Role	<None>
Entity 1 -> Entity 2	0,n
Role Cardinality	
Entity 2 -> Entity 1	1,1
Role Cardinality	
Assertion	Each ClienteCom may have one or more Factura. Each Factura must have one and only one ClienteCom.

III.3.2.3.2 List of diagrams containing the relationship *fk_factura_cliente*

Name	Code
ML_Comercializadora	PHYSICALDIAGRAM_1

III.3.2.3.3 List of relationship joins of the relationship *fk_factura_cliente*

Display Name	Parent Attribute	Child Attribute
idCliente = idCliente	idCliente	idCliente

