Diagram Report

SistemaInsumos1.1.dm1

Version 1.0

CRDevelopment
Facundo

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Diagram Summary Report

Name	Author	Description
SistemaInsumos1.1.dm1	Facundo	

Diagram Detail Reports

SistemaInsumos1.1.dm1

Diagram Name	SistemaInsumos1.1.dm1
Description	
Author	Facundo
Company	CRDevelopment
Version	1.0
Copyright	CRDevelopment
Copyright Year	

Bound Attachments

Name	Current Value

Model Summary Report

Name	DatabasePlatform
Logical	Logical
SVICMySql	MySQL 5.x

Model Detail Reports

Logical

Model Name	Logical
Database	Logical
Platform	
Model Notation	Physical

Security Properties

Name	Current Value

Bound Attachments

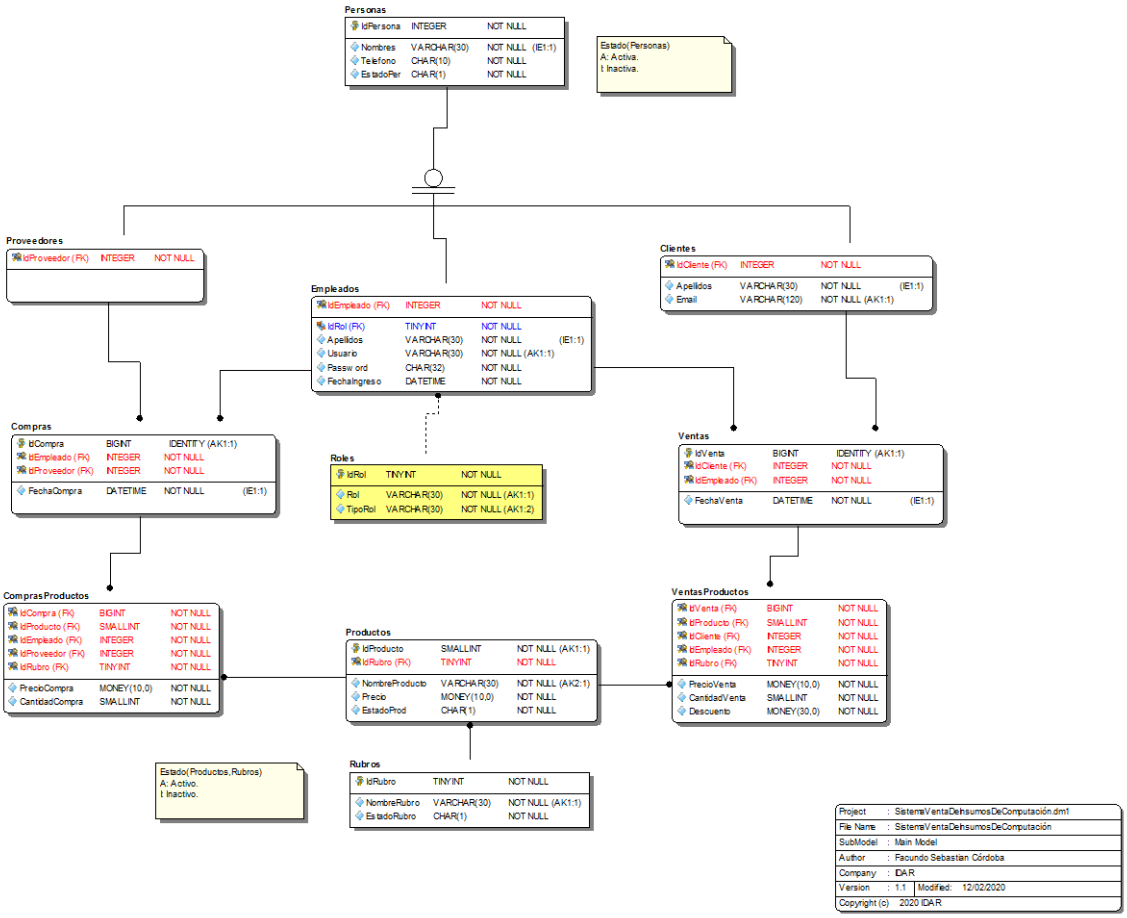
Name	Current Value

Submodel Summary Report

Name	DatabasePlatform
Main Model	Logical

Submodel Detail Reports

Main Model Image



Main Model

SubModel Name	Main Model
Database Platform	Logical
Parent SubModel	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Entity Summary Report

Entity Name	Entity Type	Primary Keys	# Attr
Clientes	Dependent	IdCliente	3
Compras	Dependent	IdCompra,IdEmpleado,IdProveedor	4
ComprasProductos	Dependent	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro	7
Empleados	Dependent	IdEmpleado	6
Personas	Independent	IdPersona	4
Productos	Dependent	IdProducto,IdRubro	5
Proveedores	Dependent	IdProveedor	1
Roles	Independent	IdRol	3
Rubros	Independent	IdRubro	3
Ventas	Dependent	IdVenta,IdCliente,IdEmpleado	4
VentasProductos	Dependent	IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro	8

Entity Detail Reports

Clientes

Entity Name	Clientes
Owner Name	
Logical Only	NO
Entity Type	Dependent, Subtype
Primary Keys	IdCliente
Definition	Tabla que almacena en el sistema los clientes de la tienda que vende insumos de computación.
Notes	Tabla que almacena en el sistema los clientes de la tienda que vende insumos de computación.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Clientes	
SVICMySql (MySQL)	Clientes	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK7	PrimaryKey	IdCliente
UI_Email	Alternate Key	Email
IX_ApellidosClientes	Inversion Entry	Apellidos

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdCliente		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
Apellidos		VARCHAR(30)	N	Apellidos del cliente .
Email		VARCHAR(120)	N	correo electronico del cliente. Único.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One To Zero or More				IdCliente	YES

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Ventas	Identifying	One To Zero or More					NO

IdCliente

Attribute Name	IdPersona	**Entity Name**	Clientes
Column Name	IdCliente		
Logical Role Name	IdCliente		
Role Name	IdCliente		

Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	Clientes	INTEGER
SVICMySql (MySQL)	IdCliente	Clientes	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Apellidos

Attribute Name	Apellidos	**Entity Name**	Clientes
Column Name	Apellidos		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Apellidos	Clientes	VARCHAR
SVICMySql (MySQL)	Apellidos	Clientes	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Apellidos del cliente .

Note

Apellidos del cliente .

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Email

Attribute Name	Email	**Entity Name**	Clientes
Column Name	Email		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Email	Clientes	VARCHAR
SVICMySql (MySQL)	Email	Clientes	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

correo electronico del cliente. Único.

Note

correo electronico del cliente. Único.

Logical Column Properties

Data Type	VARCHAR(120)	**Width**	120	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Compras

Entity Name	Compras
Owner Name	
Logical Only	NO
Entity Type	Dependent
Primary Keys	IdCompra,IdEmpleado,IdProveedor
Definition	Tabla que almacena en el sistema las compras realizadas por los empleados a los proveedores.
Notes	Tabla que almacena en el sistema las compras realizadas por los empleados a los proveedores.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Compras	
SVICMySql (MySQL)	Compras	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK8	PrimaryKey	IdCompra, IdEmpleado, IdProveedor
UI_IdCompra	Alternate Key	IdCompra
IX_FechaCompra	Inversion Entry	FechaCompra

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdCompra		BIGINT	ID	Clave primaria de la Tabla Compras (1/3).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).
IdProveedor		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).
FechaCompra		DATETIME	N	fecha en la cual un empleado compra productos a un proveedor.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Proveedores	Identifying	One To Zero or More				IdProveedor	NO
Empleados	Identifying	One To Zero or More				IdEmpleado	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
ComprasProductos	Identifying	One To Zero or More					NO

IdCompra

Attribute Name	IdCompra	**Entity Name**	Compras
Column Name	IdCompra		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCompra	Compras	BIGINT
SVICMySql (MySQL)	IdCompra	Compras	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Compras (1/3).

Note

Clave primaria de la Tabla Compras (1/3).

Logical Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Identity	YES		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Attribute Name	IdPersona	**Entity Name**	Compras
Column Name	IdEmpleado		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Compras	INTEGER
SVICMySql (MySQL)	IdEmpleado	Compras	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProveedor

Attribute Name	IdPersona	**Entity Name**	Compras
Column Name	IdProveedor		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Proveedores

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	Compras	INTEGER
SVICMySql (MySQL)	IdProveedor	Compras	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaCompra

Attribute Name	FechaCompra	**Entity Name**	Compras
Column Name	FechaCompra		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaCompra	Compras	DATETIME
SVICMySql (MySQL)	FechaCompra	Compras	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

fecha en la cual un empleado compra productos a un proveedor.

Note

fecha en la cual un empleado compra productos a un proveedor.

Logical Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

ComprasProductos

Entity Name	ComprasProductos
Owner Name	
Logical Only	NO
Entity Type	Dependent
Primary Keys	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro
Definition	Tabla que almacena en el sistema los productos que se adquirieron en una compra .
Notes	Tabla que almacena en el sistema los productos que se adquirieron en una compra .

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	ComprasProductos	
SVICMySql (MySQL)	ComprasProductos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK14	PrimaryKey	IdCompra, IdProducto, IdEmpleado, IdProveedor, IdRubro

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdCompra		BIGINT	N	Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).
IdProducto		SMALLINT	N	Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).
IdProveedor		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).
IdRubro		TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).
PrecioCompra		MONEY(10, 0)	N	precio unitario del producto cuando

CantidadCompra	SMALLINT	N	se llevó a cabo la compra. cantidad de un producto comprada.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Compras	Identifying	One To Zero or More				IdCompra, IdEmpleado, IdProveedor	NO
Productos	Identifying	One To Zero or More				IdProducto, IdRubro	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype

IdCompra

Attribute Name	IdCompra	**Entity Name**	ComprasProductos
Column Name	IdCompra		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCompra	ComprasProductos	BIGINT
SVICMySql (MySQL)	IdCompra	ComprasProductos	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).

Note

Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).

Logical Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint

Check Constraint
Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProducto

Attribute Name	IdProducto	**Entity Name**	ComprasProductos
Column Name	IdProducto		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	ComprasProductos	SMALLINT
SVICMySql (MySQL)	IdProducto	ComprasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).

Note

Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).

Logical Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Attribute Name	IdPersona	**Entity Name**	ComprasProductos
Column Name	IdEmpleado		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	ComprasProductos	INTEGER
SVICMySql (MySQL)	IdEmpleado	ComprasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProveedor

Attribute Name	IdPersona	**Entity Name**	ComprasProductos
Column Name	IdProveedor		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	ComprasProductos	INTEGER
SVICMySql (MySQL)	IdProveedor	ComprasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Attribute Name	IdRubro	**Entity Name**	ComprasProductos
Column Name	IdRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	ComprasProductos	TINYINT
SVICMySql (MySQL)	IdRubro	ComprasProductos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

PrecioCompra

Attribute Name	PrecioCompra	**Entity Name**	ComprasProductos
Column Name	PrecioCompra		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	PrecioCompra	ComprasProductos	MONEY
SVICMySql (MySQL)	PrecioCompra	ComprasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio unitario del producto cuando se llevó a cabo la compra.

Note

precio unitario del producto cuando se llevó a cabo la compra.

Logical Column Properties

Data Type	MONEY(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Identity	NO				

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

CantidadCompra

Attribute Name	CantidadCompra	**Entity Name**	ComprasProductos
Column Name	CantidadCompra		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	CantidadCompra	ComprasProductos	SMALLINT
SVICMySql (MySQL)	CantidadCompra	ComprasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

cantidad de un producto comprada.

Note

cantidad de un producto comprada.

Logical Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Empleados

Entity Name	Empleados
Owner Name	
Logical Only	NO
Entity Type	Dependent, Subtype
Primary Keys	IdEmpleado
Definition	Tabla que almacena en el sistema los empleados de la tienda que vende insumos de computación.
Notes	Tabla que almacena en el sistema los empleados de la tienda que vende insumos de computación.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Empleados	
SVICMySql (MySQL)	Empleados	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK4	PrimaryKey	IdEmpleado
UI_Usuario	Alternate Key	Usuario
IX_Apellidos	Inversion Entry	Apellidos

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1).
IdRol		TINYINT	N	Clave primaria de la Tabla Roles (1/1).
Apellidos		VARCHAR(30)	N	Apellidos del Empleado .
Usuario		VARCHAR(30)	N	nombre de usuario del empleado. Único.
Password		CHAR(32)	N	contraseña del usuario del empleado codificada en MD5.
FechaIngreso		DATETIME	N	Fecha de ingreso del empleado.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One To Zero or More				IdEmpleado	YES
Roles	Non-Identifying	One To Zero or More				IdRol	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Compras	Identifying	One To Zero or More					NO
Ventas	Identifying	One To Zero or More					NO

IdEmpleado

Attribute Name	IdPersona	**Entity Name**	Empleados
Column Name	IdEmpleado		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Empleados	INTEGER
SVICMySql (MySQL)	IdEmpleado	Empleados	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla (1/1).	Personas	Clave primaria de la Tabla (1/1).	Empleados

Note

Clave primaria de la Tabla (1/1).	Personas	Clave primaria de la Tabla (1/1).	Empleados

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRol

Attribute Name	IdRol	**Entity Name**	Empleados
Column Name	IdRol		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRol	Empleados	TINYINT
SVICMySql (MySQL)	IdRol	Empleados	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Roles (1/1).

Note

Clave primaria de la Tabla Roles (1/1).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Apellidos

Attribute Name	Apellidos	**Entity Name**	Empleados
Column Name	Apellidos		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Apellidos	Empleados	VARCHAR
SVICMySql (MySQL)	Apellidos	Empleados	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Apellidos del Empleado .

Note

Apellidos del Empleado .

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Usuario

Attribute Name	Usuario	**Entity Name**	Empleados
Column Name	Usuario		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Usuario	Empleados	VARCHAR
SVICMySql (MySQL)	Usuario	Empleados	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

nombre de usuario del empleado. Único.

Note

nombre de usuario del empleado. Único.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Password

Attribute Name	Password	**Entity Name**	Empleados
Column Name	Password		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Password	Empleados	CHAR
SVICMySql (MySQL)	Password	Empleados	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

contraseña del usuario del empleado codificada en MD5.

Note

contraseña del usuario del empleado codificada en MD5.

Logical Column Properties

Data Type	CHAR(32)	**Width**	32	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaIngreso

Attribute Name	FechaIngreso	**Entity Name**	Empleados
Column Name	FechaIngreso		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaIngreso	Empleados	DATETIME
SVICMySql (MySQL)	FechaIngreso	Empleados	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Fecha de ingreso del empleado.

Note

Fecha de ingreso del empleado.

Logical Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Personas

Entity Name	Personas
Owner Name	
Logical Only	NO
Entity Type	Independent, Supertype
Primary Keys	IdPersona
Definition	Tabla que almacena las personas participantes del sistema.
Notes	Tabla que almacena las personas participantes del sistema.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Personas	
SVICMySql (MySQL)	Personas	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK2	PrimaryKey	IdPersona
IX_Nombres	Inversion Entry	Nombres

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdPersona		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
Nombres		VARCHAR(30)	N	Nombres de la persona.
Telefono		CHAR(10)	N	Es el Teléfono de la Persona.
EstadoPer		CHAR(1)	N	Estado de las personas. A: Activa - I: Inactiva.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction
EstadoPer	Default		'A'

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Proveedores	Identifying	One To Zero or More					YES
Empleados	Identifying	One To Zero or More					YES
Clientes	Identifying	One To Zero or More					YES

IdPersona

Attribute Name	IdPersona	**Entity Name**	Personas
Column Name	IdPersonas		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		

Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdPersona	Personas	INTEGER
SVICMySql (MySQL)	IdPersonas	Personas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1).

Note

Clave primaria de la Tabla Personas (1/1).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Nombres

Attribute Name	Nombres	**Entity Name**	Personas
Column Name	Nombres		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Nombres	Personas	VARCHAR
SVICMySql (MySQL)	Nombres	Personas	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombres de la persona.

Note

Nombres de la persona.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Telefono

Attribute Name	Telefono	**Entity Name**	Personas
Column Name	Telefono		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Telefono	Personas	CHAR
SVICMySql (MySQL)	Telefono	Personas	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Es el Teléfono de la Persona.

Note

Es el Teléfono de la Persona.

Logical Column Properties

Data Type	CHAR(10)	**Width**	10	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoPer

Attribute Name	EstadoPer	**Entity Name**	Personas
Column Name	EstadoPer		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoPer	Personas	CHAR
SVICMySql (MySQL)	EstadoPer	Personas	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado de las personas. A: Activa - I: Inactiva.

Note

Estado de la personas. A: Activa - I: Inactiva.

Logical Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	'A'
Bound Default	
Reference Value	

Productos

Entity Name	Productos
Owner Name	
Logical Only	NO
Entity Type	Dependent
Primary Keys	IdProducto,IdRubro
Definition	Tabla que almacena en el sistema. los productos se puede adquierir en la tienda .
Notes	Tabla que almacena en el sistema. los productos se puede adquierir en la tienda .

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Productos	
SVICMySql (MySQL)	Productos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK11	PrimaryKey	IdProducto, IdRubro
UI_IdProducto	Alternate Key	IdProducto
UI_NombreProducto	Alternate Key	NombreProducto

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdProducto		SMALLINT	N	Clave primaria de la Tabla Productos (1/2).
IdRubro		TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).
NombreProducto		VARCHAR(30)	N	Nombre del producto. Único.
Precio		MONEY(10, 0)	N	precio fijado para la venta del producto.
EstadoProd		CHAR(1)	N	Estado del producto. A: Activo - I: Inactivo.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Rubros	Identifying	One To Zero or More				IdRubro	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
ComprasProductos	Identifying	One To Zero or More					NO
VentasProductos	Identifying	One To Zero or More					NO

IdProducto

Attribute Name	IdProducto	**Entity Name**	Productos
Column Name	IdProducto		

Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	Productos	SMALLINT
SVICMySql (MySQL)	IdProducto	Productos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2).

Note

Clave primaria de la Tabla Productos (1/2).

Logical Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Attribute Name	IdRubro	**Entity Name**	Productos
Column Name	IdRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Rubros

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	Productos	TINYINT
SVICMySql (MySQL)	IdRubro	Productos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

NombreProducto

Attribute Name	NombreProducto	**Entity Name**	Productos
Column Name	NombreProducto		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	NombreProducto	Productos	VARCHAR
SVICMySql (MySQL)	NombreProducto	Productos	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del producto. Único.

Note

Nombre del producto. Único.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Precio

Attribute Name	Precio	**Entity Name**	Productos
Column Name	Precio		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Precio	Productos	MONEY
SVICMySql (MySQL)	Precio	Productos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio fijado para la venta del producto.

Note

precio fijado para la venta del producto.

Logical Column Properties

Data Type	MONEY(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Identity	NO				

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoProd

Attribute Name	EstadoProd	**Entity Name**	Productos
Column Name	EstadoProd		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoProd	Productos	CHAR
SVICMySql (MySQL)	EstadoProd	Productos	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado del producto. A: Activo - I: Inactivo.

Note

Estado del producto. A: Activo - I: Inactivo.

Logical Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Proveedores

Entity Name	Proveedores
Owner Name	
Logical Only	NO
Entity Type	Dependent, Subtype
Primary Keys	IdProveedor
Definition	Tabla que almacena en el sistema los proveedores de la tienda de ventas de insumos de computación .
Notes	Tabla que almacena en el sistema los proveedores de la tienda de ventas de insumos de computación .

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Proveedores	
SVICMySql (MySQL)	Proveedores	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK3	PrimaryKey	IdProveedor

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdProveedor		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1).

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One To Zero or More				IdProveedor	YES

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Compras	Identifying	One To Zero or More					NO

IdProveedor

Attribute Name	IdPersona	**Entity Name**	Proveedores
Column Name	IdProveedor		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	Proveedores	INTEGER
SVICMySql (MySQL)	IdProveedor	Proveedores	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Roles

Entity Name	Roles
Owner Name	
Logical Only	NO
Entity Type	Independent
Primary Keys	IdRol
Definition	Tabla del sistema que almacena los roles de los empleados de la tienda de venta de insumos.
Notes	Tabla del sistema que almacena los roles de los empleados de la tienda de venta de insumos.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Roles	
SVICMySql (MySQL)	Roles	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK9	PrimaryKey	IdRol
UI_RolTipoRol	Alternate Key	Rol, TipoRol

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdRol		TINYINT	N	Clave primaria de la Tabla Roles (1/1).
Rol		VARCHAR(30)	N	Nombre del rol de un usuario.
TipoRol		VARCHAR(30)	N	Nombre del tiporol. Único.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Empleados	Non-Identifying	One To Zero or More					NO

IdRol

Attribute Name	IdRol	**Entity Name**	Roles
Column Name	IdRol		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRol	Roles	TINYINT
SVICMySql (MySQL)	IdRol	Roles	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Roles (1/1).

Note

Clave primaria de la Tabla Roles (1/1).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint	Check Constraint Name

Bound Rule
Declared Default
Bound Default
Reference Value

Rol

Attribute Name	Rol	**Entity Name**	Roles
Column Name	Rol		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Rol	Roles	VARCHAR
SVICMySql (MySQL)	Rol	Roles	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del rol de un usuario.

Note

Nombre del rol de un usuario.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

TipoRol

Attribute Name	TipoRol	**Entity Name**	Roles
Column Name	TipoRol		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	TipoRol	Roles	VARCHAR
SVICMySql (MySQL)	TipoRol	Roles	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del tiporol. Único.

Note

Nombre del tiporol. Único.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Rubros

Entity Name	Rubros
Owner Name	
Logical Only	NO
Entity Type	Independent
Primary Keys	IdRubro
Definition	Tabla del sistema que almacena los rubros de los productos que se puede adquirir en la tienda .
Notes	Tabla del sistema que almacena los rubros de los productos que se puede adquirir en la tienda .

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Rubros	
SVICMySql (MySQL)	Rubros	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK16	PrimaryKey	IdRubro
UI_NombreRubro	Alternate Key	NombreRubro

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdRubro		TINYINT	N	Clave primaria de la Tabla Rubros (1/1).
NombreRubro		VARCHAR(30)	N	Nombre del rubro .Único.
EstadoRubro		CHAR(1)	N	Estado del rubro: A:Activo - I:Inactivo.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction
EstadoRubro	Default		'A'

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Productos	Identifying	One To Zero or More					NO

IdRubro

Attribute Name	IdRubro	**Entity Name**	Rubros
Column Name	IdRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	Rubros	TINYINT
SVICMySql (MySQL)	IdRubro	Rubros	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1).

Note

Clave primaria de la Tabla Rubros (1/1).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

NombreRubro

Attribute Name	NombreRubro	**Entity Name**	Rubros
Column Name	NombreRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	NombreRubro	Rubros	VARCHAR
SVICMySql (MySQL)	NombreRubro	Rubros	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del rubro .Único.

Note

Nombre del rubro .Único.

Logical Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoRubro

Attribute Name	EstadoRubro	**Entity Name**	Rubros
Column Name	EstadoRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoRubro	Rubros	CHAR
SVICMySql (MySQL)	EstadoRubro	Rubros	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado del rubro: A:Activo - I:Inactivo.

Note

Estado del rubro: A:Activo - I:Inactivo.

Logical Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Identity	NO			

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	'A'
Bound Default	
Reference Value	

Ventas

Entity Name	Ventas
Owner Name	
Logical Only	NO
Entity Type	Dependent
Primary Keys	IdVenta,IdCliente,IdEmpleado
Definition	Tabla que almacena en el sistema las ventas realizadas por los empleados a los clientes.
Notes	Tabla que almacena en el sistema las ventas realizadas por los empleados a los clientes.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Ventas	
SVICMySql (MySQL)	Ventas	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK10	PrimaryKey	IdVenta, IdCliente, IdEmpleado
UI_IdVenta	Alternate Key	IdVenta
IX_FechaVenta	Inversion Entry	FechaVenta

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdVenta		BIGINT	ID	Clave primaria de la Tabla Ventas (1/3).
IdCliente		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1).
FechaVenta		DATETIME	N	fecha en la cual un empleado vende productos a un clientes.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Clientes	Identifying	One To Zero or More				IdCliente	NO
Empleados	Identifying	One To Zero or More				IdEmpleado	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
VentasProductos	Identifying	One To Zero or More					NO

IdVenta

Attribute Name	IdVenta	**Entity Name**	Ventas
Column Name	IdVenta		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdVenta	Ventas	BIGINT
SVICMySql (MySQL)	IdVenta	Ventas	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformati	Transformation Description

on Logic

Definition

Clave primaria de la Tabla Ventas (1/3).

Note

Clave primaria de la tabla Ventas (1/3).

Logical Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Identity	YES		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdCliente

Attribute Name	IdPersona	**Entity Name**	Ventas
Column Name	IdCliente		
Logical Role Name	IdCliente		
Role Name	IdCliente		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Clientes

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	Ventas	INTEGER
SVICMySql (MySQL)	IdCliente	Ventas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Attribute Name	IdPersona	**Entity Name**	Ventas
Column Name	IdEmpleado		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Ventas	INTEGER
SVICMySql (MySQL)	IdEmpleado	Ventas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla (1/1).	Personas	Clave primaria de la Tabla (1/1).	Empleados

Note

Clave primaria de la Tabla (1/1).	Personas	Clave primaria de la Tabla (1/1).	Empleados

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaVenta

Attribute Name	FechaVenta	**Entity Name**	Ventas
Column Name	FechaVenta		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaVenta	Ventas	DATETIME
SVICMySql (MySQL)	FechaVenta	Ventas	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

fecha en la cual un empleado vende productos a un clientes.

Note

fecha en la cual un empleado vende productos a un clientes.

Logical Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

VentasProductos

Entity Name	VentasProductos
Owner Name	
Logical Only	NO
Entity Type	Dependent
Primary Keys	IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro
Definition	Tabla que almacena en el sistema los productos que se adquirieron en una venta.
Notes	Tabla que almacena en el sistema los productos que se adquirieron en una venta.

Object Permission

User/Role Name	Grantee Type	Permission Type	Action Type	Is Action Extended	Is System

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	VentasProductos	
SVICMySql (MySQL)	VentasProductos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Keys

Key Name	Key Type	Keys
PK15	PrimaryKey	IdVenta, IdProducto, IdCliente, IdEmpleado, IdRubro

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdVenta		BIGINT	N	Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos (1/5).
IdProducto		SMALLINT	N	Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).
IdCliente		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1). Clave primaria de la Tabla VentasProductos (3/5).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).
IdRubro		TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).
PrecioVenta		MONEY(10, 0)	N	precio unitario del producto cuando se llevó a cabo la venta.
CantidadVenta		SMALLINT	N	cantidad de un producto que es vende.
Descuento		MONEY(30, 0)	N	es el descuento

que se le hace por venta de un producto.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction

Relationships

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Ventas	Identifying	One To Zero or More				IdVenta, IdCliente, IdEmpleado	NO
Productos	Identifying	One To Zero or More				IdProducto, IdRubro	NO

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype

IdVenta

Attribute Name	IdVenta	**Entity Name**	VentasProductos
Column Name	IdVenta		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdVenta	VentasProductos	BIGINT
SVICMySql (MySQL)	IdVenta	VentasProductos	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos (1/5).

Note

Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos (1/5).

Logical Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint

Check Constraint
Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProducto

Attribute Name	IdProducto	**Entity Name**	VentasProductos
Column Name	IdProducto		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	VentasProductos	SMALLINT
SVICMySql (MySQL)	IdProducto	VentasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).

Note

Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).

Logical Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdCliente

Attribute Name	IdPersona	**Entity Name**	VentasProductos
Column Name	IdCliente		
Logical Role Name	IdCliente		
Role Name	IdCliente		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	VentasProductos	INTEGER
SVICMySql (MySQL)	IdCliente	VentasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
Clave primaria de la Tabla VentasProductos (3/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
Clave primaria de la Tabla VentasProductos (3/5).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Attribute Name	IdPersona	**Entity Name**	VentasProductos
Column Name	IdEmpleado		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	VentasProductos	INTEGER
SVICMySql (MySQL)	IdEmpleado	VentasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).

Logical Column Properties

Data Type	INTEGER	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Attribute Name	IdRubro	**Entity Name**	VentasProductos
Column Name	IdRubro		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	VentasProductos	TINYINT
SVICMySql (MySQL)	IdRubro	VentasProductos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).

Logical Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

PrecioVenta

Attribute Name	PrecioVenta	**Entity Name**	VentasProductos
Column Name	PrecioVenta		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	PrecioVenta	VentasProductos	MONEY
SVICMySql (MySQL)	PrecioVenta	VentasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio unitario del producto cuando se llevó a cabo la venta.

Note

precio unitario del producto cuando se llevó a cabo la venta.

Logical Column Properties

Data Type	MONEY(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Identity	NO				

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

CantidadVenta

Attribute Name	CantidadVenta	**Entity Name**	VentasProductos
Column Name	CantidadVenta		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	CantidadVenta	VentasProductos	SMALLINT
SVICMySql (MySQL)	CantidadVenta	VentasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

cantidad de un producto que es vende.

Note

cantidad de un producto que es vende.

Logical Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Identity	NO		

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Descuento

Attribute Name	Descuento	**Entity Name**	VentasProductos
Column Name	Descuento		
Logical Role Name			
Role Name			
Logical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Entity**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Descuento	VentasProductos	MONEY
SVICMySql (MySQL)	Descuento	VentasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

es el descuento que se le hace por venta de un producto.

Note

es el descuento que se le hace por venta de un producto.

Logical Column Properties

Data Type	MONEY(30, 0)	**Width**	30	**Scale**	0
Nullable	NO				
Identity	NO				

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Key Summary Report

Entity Name	Key Name	Key Type	Unique
Clientes	PK7	PrimaryKey	YES
Clientes	UI_Email	Alternate Key	YES
Clientes	IX_ApellidosClientes	Inversion Entry	NO
Compras	PK8	PrimaryKey	YES
Compras	UI_IdCompra	Alternate Key	YES
Compras	IX_FechaCompra	Inversion Entry	NO
ComprasProductos	PK14	PrimaryKey	YES
Empleados	PK4	PrimaryKey	YES
Empleados	UI_Usuario	Alternate Key	YES
Empleados	IX_Apellidos	Inversion Entry	NO
Personas	PK2	PrimaryKey	YES
Personas	IX_Nombres	Inversion Entry	NO
Productos	PK11	PrimaryKey	YES
Productos	UI_IdProducto	Alternate Key	YES
Productos	UI_NombreProducto	Alternate Key	YES
Proveedores	PK3	PrimaryKey	YES
Roles	PK9	PrimaryKey	YES
Roles	UI_RolTipoRol	Alternate Key	YES
Rubros	PK16	PrimaryKey	YES
Rubros	UI_NombreRubro	Alternate Key	YES
Ventas	PK10	PrimaryKey	YES
Ventas	UI_IdVenta	Alternate Key	YES
Ventas	IX_FechaVenta	Inversion Entry	NO
VentasProductos	PK15	PrimaryKey	YES

Key Detail Reports

PK7

Key Name	PK7
Entity Name	Clientes
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdCliente

Bound Attachments

Name	Current Value

UI_Email

Key Name	UI_Email
Entity Name	Clientes
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	Email

Bound Attachments

Name	Current Value

IX_ApellidosClientes

Key Name	IX_ApellidosClientes
Entity Name	Clientes
Logical Only	NO
Key Type	Inversion Entry
Key Type	Inversion Entry
Unique	NO
Keys	Apellidos

Bound Attachments

Name	Current Value

PK8

Key Name	PK8
Entity Name	Compras
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdCompra,IdEmpleado,IdProveedor

Bound Attachments

Name	Current Value

UI_IdCompra

Key Name	UI_IdCompra
Entity Name	Compras
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	IdCompra

Bound Attachments

Name	Current Value

IX_FechaCompra

Key Name	IX_FechaCompra
Entity Name	Compras
Logical Only	NO
Key Type	Inversion Entry
Key Type	Inversion Entry
Unique	NO
Keys	FechaCompra

Bound Attachments

Name	Current Value

PK14

Key Name	PK14
Entity Name	ComprasProductos
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro

Bound Attachments

Name	Current Value

PK4

Key Name	PK4
Entity Name	Empleados
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdEmpleado

Bound Attachments

Name	Current Value

UI_Usuario

Key Name	UI_Usuario
Entity Name	Empleados
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	Usuario

Bound Attachments

Name	Current Value

IX_Apellidos

Key Name	IX_Apellidos
Entity Name	Empleados
Logical Only	NO
Key Type	Inversion Entry
Key Type	Inversion Entry
Unique	NO
Keys	Apellidos

Bound Attachments

Name	Current Value

PK2

Key Name	PK2
Entity Name	Personas
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdPersona

Bound Attachments

Name	Current Value

IX_Nombres

Key Name	IX_Nombres
Entity Name	Personas
Logical Only	NO
Key Type	Inversion Entry
Key Type	Inversion Entry
Unique	NO
Keys	Nombres

Bound Attachments

Name	Current Value

PK11

Key Name	PK11
Entity Name	Productos
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdProducto,IdRubro

Bound Attachments

Name	Current Value

UI_IdProducto

Key Name	UI_IdProducto
Entity Name	Productos
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	IdProducto

Bound Attachments

Name	Current Value

UI_NombreProducto

Key Name	UI_NombreProducto
Entity Name	Productos
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	NombreProducto

Bound Attachments

Name	Current Value

PK3

Key Name	PK3
Entity Name	Proveedores
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdProveedor

Bound Attachments

Name	Current Value

PK9

Key Name	PK9
Entity Name	Roles
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdRol

Bound Attachments

Name	Current Value

UI_RolTipoRol

Key Name	UI_RolTipoRol
Entity Name	Roles
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	Rol,TipoRol

Bound Attachments

Name	Current Value

PK16

Key Name	PK16
Entity Name	Rubros
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdRubro

Bound Attachments

Name	Current Value

UI_NombreRubro

Key Name	UI_NombreRubro
Entity Name	Rubros
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	NombreRubro

Bound Attachments

Name	Current Value

PK10

Key Name	PK10
Entity Name	Ventas
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdVenta,IdCliente,IdEmpleado

Bound Attachments

Name	Current Value

UI_IdVenta

Key Name	UI_IdVenta
Entity Name	Ventas
Logical Only	NO
Key Type	Alternate Key
Key Type	Alternate Key
Unique	YES
Keys	IdVenta

Bound Attachments

Name	Current Value

IX_FechaVenta

Key Name	IX_FechaVenta
Entity Name	Ventas
Logical Only	NO
Key Type	Inversion Entry
Key Type	Inversion Entry
Unique	NO
Keys	FechaVenta

Bound Attachments

Name	Current Value

PK15

Key Name	PK15
Entity Name	VentasProductos
Logical Only	NO
Key Type	PrimaryKey
Key Type	PrimaryKey
Unique	YES
Keys	IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro

Bound Attachments

Name	Current Value

Relationship Summary Report

Parent Entity	Child Entity	Relationship Type	No of Keys
Personas	Proveedores	Identifying	1
Personas	Empleados	Identifying	1
Personas	Clientes	Identifying	1
Proveedores	Compras	Identifying	1
Empleados	Compras	Identifying	1
Roles	Empleados	Non-Identifying	1
Clientes	Ventas	Identifying	1
Empleados	Ventas	Identifying	1
Compras	ComprasProductos	Identifying	3
Productos	ComprasProductos	Identifying	2
Ventas	VentasProductos	Identifying	3
Productos	VentasProductos	Identifying	2
Rubros	Productos	Identifying	1

Relationship Detail Reports

Relationship: Personas to Proveedores

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Personas
Child Entity	Proveedores
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdPersona	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Personas to Empleados

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Personas
Child Entity	Empleados
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdPersona	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Personas to Clientes

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Personas
Child Entity	Clientes
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdPersona	IdCliente

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Proveedores to Compras

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Proveedores
Child Entity	Compras
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdProveedor	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Empleados to Compras

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Empleados
Child Entity	Compras
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Roles to Empleados

Relationship Name	
Relationship Business Name	
Relationship Type	Non-Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Roles
Child Entity	Empleados
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdRol	IdRol

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Clientes to Ventas

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Clientes
Child Entity	Ventas
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdCliente	IdCliente

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Empleados to Ventas

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Empleados
Child Entity	Ventas
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Compras to ComprasProductos

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Compras
Child Entity	ComprasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdCompra	IdCompra
IdEmpleado	IdEmpleado
IdProveedor	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Productos to ComprasProductos

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Productos
Child Entity	ComprasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdProducto	IdProducto
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Ventas to VentasProductos

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Ventas
Child Entity	VentasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdVenta	IdVenta
IdCliente	IdCliente
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Productos to VentasProductos

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Productos
Child Entity	VentasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdProducto	IdProducto
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Relationship: Rubros to Productos

Relationship Name	
Relationship Business Name	
Relationship Type	Identifying
Relationship Do Not Generate	False
Relationship Logical Only	NO
Parent Entity	Rubros
Child Entity	Productos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Relationship Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Relationship Keys

Parent Key	Child Key
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Supertype Summary Report

Supertype Name	Type	Discriminator	Subtypes
Personas	Complete, Inclusive		Proveedores, Empleados, Clientes

Model Detail Reports

SVICMySql

Model Name	SVICMySql
Database	MySQL 5.x
Platform	
Model Notation	Physical

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

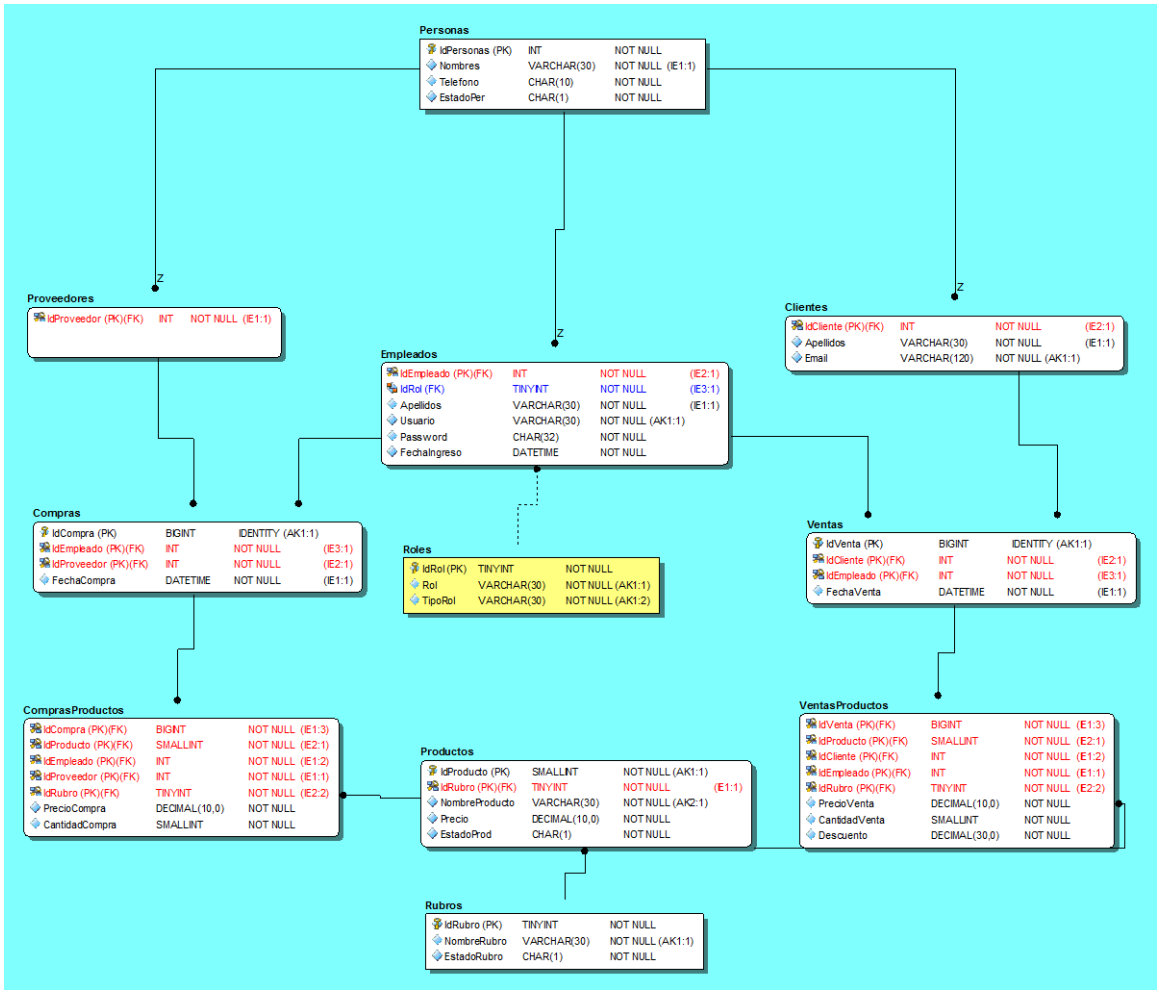
Name	Current Value

Submodel Summary Report

Name	DatabasePlatform
Main Model	MySQL 5.x

Submodel Detail Reports

Main Model Image



Main Model

SubModel Name	Main Model
Database Platform	MySQL 5.x
Parent SubModel	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Table Summary Report

Table Name	Table Type	Primary Keys	# Col
Clientes	Dependent	IdCliente,	3
Compras	Dependent	IdCompra,IdEmpleado,IdProveedor,	4
ComprasProductos	Dependent	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro,	7
Empleados	Dependent	IdEmpleado,	6
Personas	Independent	IdPersonas,	4
Productos	Dependent	IdProducto,IdRubro,	5
Proveedores	Dependent	IdProveedor	1
Roles	Independent	IdRol,	3
Rubros	Independent	IdRubro,	3
Ventas	Dependent	IdVenta,IdCliente,IdEmpleado,	4
VentasProductos	Dependent	IdVentaIdProductoIdClienteIdEmpleadoIdRubro	8

Table Detail Reports

Clientes

Table Name	Clientes		
Owner Name			
Table Type	INNODB		
Physical Only	NO		
Primary Keys	IdCliente		
Definition	Tabla que almacena en el sistema vende insumos de computación.	los clientes de la tienda	que
Notes	Tabla que almacena en el sistema vende insumos de computación.	los clientes de la tienda	que

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Clientes	
SVICMySql (MySQL)	Clientes	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition
IdCliente		INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
Apellidos		VARCHAR(30)	N	Apellidos del cliente .
Email		VARCHAR(120)	N	correo electronico del cliente. Único.

Keys

Key Name	Key Type	Keys
PK7	PrimaryKey	IdCliente
UI_Email	Alternate Key	Email
IX_ApellidosClientes	Inversion Entry	Apellidos
Ref24	Inversion Entry	IdCliente

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One to Zero or One				IdClient e	NO

Child Relationships:

Table	Type	Cardinality	Constraint	Verb	Inverse	Foreign	Is

Name			Name	Phrase	Phrase	Keys	Subtype
Ventas	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Clientes(
    IdCliente    INT             NOT NULL,
    Apellidos    VARCHAR(30)     NOT NULL,
    Email        VARCHAR(120)    NOT NULL,
    PRIMARY KEY (IdCliente),
    UNIQUE INDEX UI_Email(Email),
    CONSTRAINT RefPersonas4 FOREIGN KEY (IdCliente)
    REFERENCES Personas(IdPersonas)
)
;
```

IdCliente

Column Name	IdCliente	**Table Name**	Clientes
Attribute Name	IdPersona		
Logical Role Name	IdCliente		
Role Name	IdCliente		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	Clientes	INTEGER
SVICMySql (MySQL)	IdCliente	Clientes	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla	Personas (1/1). Clave primaria de la Tabla	Clientes(1/1).

Note

Clave primaria de la Tabla	Personas (1/1). Clave primaria de la Tabla	Clientes(1/1).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Apellidos

Column Name	Apellidos	**Table Name**	Clientes
Attribute Name	Apellidos		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Apellidos	Clientes	VARCHAR
SVICMySql (MySQL)	Apellidos	Clientes	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Apellidos del cliente .

Note

Apellidos del cliente .

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	
Bound Default	
Reference Value	

Email

Column Name	Email	**Table Name**	Clientes
Attribute Name	Email		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Email	Clientes	VARCHAR
SVICMySql (MySQL)	Email	Clientes	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

correo electronico del cliente. Único.

Note

correo electronico del cliente. Único.

Column Properties

Data Type	VARCHAR(120)	**Width**	120	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	121
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Compras

Table Name	Compras
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdCompra,IdEmpleado,IdProveedor
Definition	Tabla que almacena en el sistema las compras realizadas por los empleados a los proveedores.
Notes	Tabla que almacena en el sistema las compras realizadas por los empleados a los proveedores.

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Compras	
SVICMySql (MySQL)	Compras	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdCompra	BIGINT	ID	Clave primaria de la Tabla Compras (1/3).
IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).
IdProveedor	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).
FechaCompra	DATETIME	N	fecha en la cual un empleado compra productos a un proveedor.

Keys

Key Name	Key Type	Keys
PK8	PrimaryKey	IdCompra, IdEmpleado, IdProveedor
UI_IdCompra	Alternate Key	IdCompra
IX_FechaCompra	Inversion Entry	FechaCompra
Ref37	Inversion Entry	IdProveedor
Ref48	Inversion Entry	IdEmpleado

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Proveedores	Identifying	One To Zero or More				IdProveedor	NO
Empleados	Identifying	One To Zero or More				IdEmpleado	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
ComprasProductos	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Compras(
    IdCompra       BIGINT      AUTO_INCREMENT,
    IdEmpleado     INT         NOT NULL,
    IdProveedor    INT         NOT NULL,
    FechaCompra    DATETIME    NOT NULL,
    PRIMARY KEY (IdCompra, IdEmpleado, IdProveedor),
    UNIQUE INDEX UI_IdCompra(IdCompra),
    CONSTRAINT RefProveedores7 FOREIGN KEY (IdProveedor)
    REFERENCES Proveedores(IdProveedor),
    CONSTRAINT RefEmpleados8 FOREIGN KEY (IdEmpleado)
    REFERENCES Empleados(IdEmpleado)
)
;
```

IdCompra

Column Name	IdCompra	**Table Name**	Compras
Attribute Name	IdCompra		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCompra	Compras	BIGINT
SVICMySql (MySQL)	IdCompra	Compras	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Compras (1/3).

Note

Clave primaria de la Tabla Compras (1/3).

Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	
Bound Default	
Reference Value	

IdEmpleado

Column Name	IdEmpleado	**Table Name**	Compras
Attribute Name	IdPersona		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Compras	INTEGER
SVICMySql (MySQL)	IdEmpleado	Compras	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProveedor

Column Name	IdProveedor	**Table Name**	Compras
Attribute Name	IdPersona		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Proveedores

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	Compras	INTEGER
SVICMySql (MySQL)	IdProveedor	Compras	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaCompra

Column Name	FechaCompra	**Table Name**	Compras
Attribute Name	FechaCompra		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaCompra	Compras	DATETIME
SVICMySql (MySQL)	FechaCompra	Compras	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

fecha en la cual un empleado compra productos a un proveedor.

Note

fecha en la cual un empleado compra productos a un proveedor.

Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

ComprasProductos

Table Name	ComprasProductos
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro
Definition	Tabla que almacena en el sistema los productos que se adquirieron en una compra .
Notes	Tabla que almacena en el sistema los productos que se adquirieron en una compra .

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	ComprasProductos	
SVICMySql (MySQL)	ComprasProductos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdCompra	BIGINT	N	Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).
IdProducto	SMALLINT	N	Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).
IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).
IdProveedor	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).
IdRubro	TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).
PrecioCompra	DECIMAL(10, 0)	N	precio unitario del producto cuando se llevó a cabo la compra.
CantidadCompra	SMALLINT	N	cantidad de un producto

comprada.

Keys

Key Name	Key Type	Keys
PK14	PrimaryKey	IdCompra, IdProducto, IdEmpleado, IdProveedor, IdRubro
Ref823	Inversion Entry	IdProveedor, IdEmpleado, IdCompra
Ref1124	Inversion Entry	IdProducto, IdRubro

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Compras	Identifying	One To Zero or More				IdCompra, IdEmpleado, IdProveedor	NO
Productos	Identifying	One To Zero or More				IdProducto, IdRubro	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype

DDL Code

```
CREATE TABLE ComprasProductos(
    IdCompra          BIGINT            NOT NULL,
    IdProducto        SMALLINT          NOT NULL,
    IdEmpleado        INT               NOT NULL,
    IdProveedor       INT               NOT NULL,
    IdRubro           TINYINT           NOT NULL,
    PrecioCompra      DECIMAL(10, 0)    NOT NULL,
    CantidadCompra    SMALLINT          NOT NULL,
    PRIMARY KEY (IdCompra, IdProducto, IdEmpleado, IdProveedor,
IdRubro),
    CONSTRAINT RefCompras23 FOREIGN KEY (IdCompra, IdEmpleado,
IdProveedor)
    REFERENCES Compras(IdCompra, IdEmpleado, IdProveedor),
    CONSTRAINT RefProductos24 FOREIGN KEY (IdProducto, IdRubro)
    REFERENCES Productos(IdProducto, IdRubro)
)
;
```

IdCompra

Column Name	IdCompra	**Table Name**	ComprasProductos
Attribute Name	IdCompra		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCompra	ComprasProductos	BIGINT
SVICMySql (MySQL)	IdCompra	ComprasProductos	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).

Note

Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).

Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProducto

Column Name	IdProducto	**Table Name**	ComprasProductos
Attribute Name	IdProducto		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	ComprasProductos	SMALLINT
SVICMySql (MySQL)	IdProducto	ComprasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).

Note

Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).

Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Column Name	IdEmpleado	**Table Name**	ComprasProductos
Attribute Name	IdPersona		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	ComprasProductos	INTEGER
SVICMySql (MySQL)	IdEmpleado	ComprasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Compras(2/3). Clave primaria de la Tabla ComprasProductos (3/5).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProveedor

Column Name	IdProveedor	**Table Name**	ComprasProductos
Attribute Name	IdPersona		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Compras

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	ComprasProductos	INTEGER
SVICMySql (MySQL)	IdProveedor	ComprasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3). Clave primaria de la Tabla ComprasProductos (4/5).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Column Name	IdRubro	**Table Name**	ComprasProductos
Attribute Name	IdRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	ComprasProductos	TINYINT
SVICMySql (MySQL)	IdRubro	ComprasProductos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla ComprasProductos (5/5).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

PrecioCompra

Column Name	PrecioCompra	**Table Name**	ComprasProductos
Attribute Name	PrecioCompra		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	PrecioCompra	ComprasProductos	MONEY
SVICMySql (MySQL)	PrecioCompra	ComprasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio unitario del producto cuando se llevó a cabo la compra.

Note

precio unitario del producto cuando se llevó a cabo la compra.

Column Properties

Data Type	DECIMAL(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Unsigned	NO				

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

CantidadCompra

Column Name	CantidadCompra	**Table Name**	ComprasProductos
Attribute Name	CantidadCompra		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	CantidadCompra	ComprasProductos	SMALLINT
SVICMySql (MySQL)	CantidadCompra	ComprasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

cantidad de un producto comprada.

Note

cantidad de un producto comprada.

Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Empleados

Table Name	Empleados
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdEmpleado
Definition	Tabla que almacena en el sistema los empleados de la tienda que vende insumos de computación.
Notes	Tabla que almacena en el sistema los empleados de la tienda que vende insumos de computación.

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Empleados	
SVICMySql (MySQL)	Empleados	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1).
IdRol	TINYINT	N	Clave primaria de la Tabla Roles (1/1).
Apellidos	VARCHAR(30)	N	Apellidos del Empleado .
Usuario	VARCHAR(30)	N	nombre de usuario del empleado. Único.
Password	CHAR(32)	N	contraseña del usuario del empleado codificada en MD5.
FechaIngreso	DATETIME	N	Fecha de ingreso del empleado.

Keys

Key Name	Key Type	Keys
PK4	PrimaryKey	IdEmpleado
UI_Usuario	Alternate Key	Usuario
IX_Apellidos	Inversion Entry	Apellidos
Ref22	Inversion Entry	IdEmpleado
Ref99	Inversion Entry	IdRol

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One to Zero or One				IdEmpleado	NO

Roles	Non-Identifying	One To Zero or More			IdRol	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Compras	Identifying	One To Zero or More					NO
Ventas	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Empleados(
    IdEmpleado      INT             NOT NULL,
    IdRol           TINYINT         NOT NULL,
    Apellidos       VARCHAR(30)     NOT NULL,
    Usuario         VARCHAR(30)     NOT NULL,
    Password        CHAR(32)        NOT NULL,
    FechaIngreso    DATETIME        NOT NULL,
    PRIMARY KEY (IdEmpleado),
    UNIQUE INDEX UI_Usuario(Usuario),
    CONSTRAINT RefPersonas2 FOREIGN KEY (IdEmpleado)
    REFERENCES Personas(IdPersonas),
    CONSTRAINT RefRoles9 FOREIGN KEY (IdRol)
    REFERENCES Roles(IdRol)
)
;
```

IdEmpleado

Column Name	IdEmpleado	**Table Name**	Empleados
Attribute Name	IdPersona		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Empleados	INTEGER
SVICMySql (MySQL)	IdEmpleado	Empleados	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description	
Clave primaria de la Tabla (1/1).	Personas (1/1).	Clave primaria de la Tabla	Empleados

Definition

Clave primaria de la Tabla (1/1).	Personas (1/1).	Clave primaria de la Tabla	Empleados

Note

Clave primaria de la Tabla (1/1).	Personas (1/1).	Clave primaria de la Tabla	Empleados

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRol

Column Name	IdRol	**Table Name**	Empleados
Attribute Name	IdRol		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRol	Empleados	TINYINT
SVICMySql (MySQL)	IdRol	Empleados	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Roles (1/1).

Note

Clave primaria de la Tabla Roles (1/1).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Apellidos

Column Name	Apellidos	**Table Name**	Empleados
Attribute Name	Apellidos		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Apellidos	Empleados	VARCHAR
SVICMySql (MySQL)	Apellidos	Empleados	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Apellidos del Empleado .

Note

Apellidos del Empleado .

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	
Bound Default	
Reference Value	

Usuario

Column Name	Usuario	**Table Name**	Empleados
Attribute Name	Usuario		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Usuario	Empleados	VARCHAR
SVICMySql (MySQL)	Usuario	Empleados	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

nombre de usuario del empleado. Único.

Note

nombre de usuario del empleado. Único.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Password

Column Name	Password	**Table Name**	Empleados
Attribute Name	Password		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Password	Empleados	CHAR
SVICMySql (MySQL)	Password	Empleados	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

contraseña del usuario del empleado codificada en MD5.

Note

contraseña del usuario del empleado codificada en MD5.

Column Properties

Data Type	CHAR(32)	**Width**	32	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaIngreso

Column Name	FechaIngreso	**Table Name**	Empleados
Attribute Name	FechaIngreso		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaIngreso	Empleados	DATETIME
SVICMySql (MySQL)	FechaIngreso	Empleados	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Fecha de ingreso del empleado.

Note

Fecha de ingreso del empleado.

Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Personas

Table Name	Personas
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdPersonas
Definition	Tabla que almacena las personas participantes del sistema.
Notes	Tabla que almacena las personas participantes del sistema.

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Personas	
SVICMySql (MySQL)	Personas	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition
IdPersonas		INT	N	Clave primaria de la Tabla Personas

			(1/1).
Nombres	VARCHAR(30)	N	Nombres de la persona.
Telefono	CHAR(10)	N	Es el Teléfono de la Persona.
EstadoPer	CHAR(1)	N	Estado de las personas. A: Activa - I: Inactiva.

Keys

Key Name	Key Type	Keys
PK2	PrimaryKey	IdPersonas
IX_Nombres	Inversion Entry	Nombres

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction
EstadoPer	Default		'A'

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Proveedores	Identifying	One to Zero or One					NO
Empleados	Identifying	One to Zero or One					NO
Clientes	Identifying	One to Zero or One					NO

DDL Code

```
CREATE TABLE Personas(
    IdPersonas    INT            NOT NULL,
    Nombres       VARCHAR(30)    NOT NULL,
    Telefono      CHAR(10)       NOT NULL,
    EstadoPer     CHAR(1)        DEFAULT 'A' NOT NULL,
    PRIMARY KEY (IdPersonas)
)
;
```

IdPersonas

Column Name	IdPersonas	**Table Name**	Personas
Attribute Name	IdPersona		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdPersona	Personas	INTEGER
SVICMySql (MySQL)	IdPersonas	Personas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1).

Note

Clave primaria de la Tabla Personas (1/1).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Nombres

Column Name	Nombres	**Table Name**	Personas
Attribute Name	Nombres		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Nombres	Personas	VARCHAR
SVICMySql (MySQL)	Nombres	Personas	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombres de la persona.

Note

Nombres de la persona.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	
Bound Default	
Reference Value	

Telefono

Column Name	Telefono	**Table Name**	Personas
Attribute Name	Telefono		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Telefono	Personas	CHAR
SVICMySql (MySQL)	Telefono	Personas	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Es el Teléfono de la Persona.

Note

Es el Teléfono de la Persona.

Column Properties

Data Type	CHAR(10)	**Width**	10	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoPer

Column Name	EstadoPer	**Table Name**	Personas
Attribute Name	EstadoPer		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoPer	Personas	CHAR
SVICMySql (MySQL)	EstadoPer	Personas	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado de las personas. A: Activa - I: Inactiva.

Note

Estado de la personas. A: Activa - I: Inactiva.

Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	'A'
Bound Default	
Reference Value	

Productos

Table Name	Productos
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdProducto,IdRubro
Definition	Tabla que almacena en el sistema. los productos se puede adquierir en la tienda .
Notes	Tabla que almacena en el sistema. los productos se puede adquierir en la tienda .

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Productos	
SVICMySql (MySQL)	Productos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdProducto	SMALLINT	N	Clave primaria de la Tabla Productos (1/2).
IdRubro	TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).
NombreProducto	VARCHAR(30)	N	Nombre del producto. Único.
Precio	DECIMAL(10, 0)	N	precio fijado para la venta del producto.
EstadoProd	CHAR(1)	N	Estado del producto. A: Activo - I: Inactivo.

Keys

Key Name	Key Type	Keys
PK11	PrimaryKey	IdProducto, IdRubro
UI_IdProducto	Alternate Key	IdProducto
UI_NombreProducto	Alternate Key	NombreProducto
Ref1627	Inversion Entry	IdRubro

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Rubros	Identifying	One To Zero or More				IdRubro	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
ComprasProductos	Identifying	One To Zero or More					NO
VentasProductos	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Productos(
    IdProducto        SMALLINT          NOT NULL,
    IdRubro           TINYINT           NOT NULL,
    NombreProducto    VARCHAR(30)       NOT NULL,
    Precio            DECIMAL(10, 0)    NOT NULL,
    EstadoProd        CHAR(1)           NOT NULL,
    PRIMARY KEY (IdProducto, IdRubro),
    UNIQUE INDEX UI_IdProducto(IdProducto),
    UNIQUE INDEX UI_NombreProducto(NombreProducto),
    CONSTRAINT RefRubros27 FOREIGN KEY (IdRubro)
    REFERENCES Rubros(IdRubro)
)
;
```

IdProducto

Column Name	IdProducto	**Table Name**	Productos
Attribute Name	IdProducto		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	Productos	SMALLINT
SVICMySql (MySQL)	IdProducto	Productos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2).

Note

Clave primaria de la Tabla Productos (1/2).

Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Column Name	IdRubro	**Table Name**	Productos
Attribute Name	IdRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Rubros

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	Productos	TINYINT
SVICMySql (MySQL)	IdRubro	Productos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

NombreProducto

Column Name	NombreProducto	**Table Name**	Productos
Attribute Name	NombreProducto		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	NombreProducto	Productos	VARCHAR
SVICMySql (MySQL)	NombreProducto	Productos	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del producto. Único.

Note

Nombre del producto. Único.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	
Bound Default	
Reference Value	

Precio

Column Name	Precio	**Table Name**	Productos
Attribute Name	Precio		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Precio	Productos	MONEY
SVICMySql (MySQL)	Precio	Productos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio fijado para la venta del producto.

Note

precio fijado para la venta del producto.

Column Properties

Data Type	DECIMAL(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Unsigned	NO				

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoProd

Column Name	EstadoProd	**Table Name**	Productos
Attribute Name	EstadoProd		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoProd	Productos	CHAR
SVICMySql (MySQL)	EstadoProd	Productos	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado del producto. A: Activo - I: Inactivo.

Note

Estado del producto. A: Activo - I: Inactivo.

Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Proveedores

Table Name	Proveedores
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdProveedor
Definition	Tabla que almacena en el sistema los proveedores de la tienda de ventas de insumos de computación .
Notes	Tabla que almacena en el sistema los proveedores de la tienda de ventas de insumos de computación .

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Proveedores	
SVICMySql (MySQL)	Proveedores	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdProveedor	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1).

Keys

Key Name	Key Type	Keys
PK3	PrimaryKey	IdProveedor
Ref21	Inversion Entry	IdProveedor

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identifying	One to Zero or One				IdProveedor	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Compras	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Proveedores(
    IdProveedor    INT    NOT NULL,
    PRIMARY KEY (IdProveedor),
    CONSTRAINT RefPersonas1 FOREIGN KEY (IdProveedor)
    REFERENCES Personas(IdPersonas)
)
;
```

IdProveedor

Column Name	IdProveedor	**Table Name**	Proveedores
Attribute Name	IdPersona		
Logical Role Name	IdProveedor		
Role Name	IdProveedor		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Personas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProveedor	Proveedores	INTEGER
SVICMySql (MySQL)	IdProveedor	Proveedores	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla (1/1).	Personas (1/1). Clave primaria de la Tabla	Proveedores

Note

Clave primaria de la Tabla (1/1).	Personas (1/1). Clave primaria de la Tabla	Proveedores

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Roles

Table Name	Roles
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdRol
Definition	Tabla del sistema que almacena los roles de los empleados de la tienda de venta de insumos.
Notes	Tabla del sistema que almacena los roles de los empleados de la tienda de venta de insumos.

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Roles	
SVICMySql (MySQL)	Roles	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdRol	TINYINT	N	Clave primaria de la Tabla Roles (1/1).
Rol	VARCHAR(30)	N	Nombre del rol de un usuario.
TipoRol	VARCHAR(30)	N	Nombre del tiporol. Único.

Keys

Key Name	Key Type	Keys
PK9	PrimaryKey	IdRol
UI_RolTipoRol	Alternate Key	Rol, TipoRol

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Empleados	Non-Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Roles(
    IdRol      TINYINT        NOT NULL,
    Rol        VARCHAR(30)    NOT NULL,
    TipoRol    VARCHAR(30)    NOT NULL,
    PRIMARY KEY (IdRol),
    UNIQUE INDEX UI_RolTipoRol(Rol, TipoRol)
)
;
```

IdRol

Column Name	IdRol	**Table Name**	Roles
Attribute Name	IdRol		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRol	Roles	TINYINT
SVICMySql (MySQL)	IdRol	Roles	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Roles (1/1).

Note

Clave primaria de la Tabla Roles (1/1).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Rol

Column Name	Rol	**Table Name**	Roles
Attribute Name	Rol		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Rol	Roles	VARCHAR
SVICMySql (MySQL)	Rol	Roles	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del rol de un usuario.

Note

Nombre del rol de un usuario.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

TipoRol

Column Name	TipoRol	**Table Name**	Roles
Attribute Name	TipoRol		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	TipoRol	Roles	VARCHAR
SVICMySql (MySQL)	TipoRol	Roles	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del tiporol. Único.

Note

Nombre del tiporol. Único.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Rubros

Table Name	Rubros
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdRubro
Definition	Tabla del sistema que almacena los rubros de los productos que se puede adquirir en la tienda .
Notes	Tabla del sistema que almacena los rubros de los productos que se puede adquirir en la tienda .

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Rubros	
SVICMySql (MySQL)	Rubros	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdRubro	TINYINT	N	Clave primaria de la Tabla Rubros (1/1).
NombreRubro	VARCHAR(30)	N	Nombre del rubro .Único.
EstadoRubro	CHAR(1)	N	Estado del rubro: A:Activo - I:Inactivo.

Keys

Key Name	Key Type	Keys
PK16	PrimaryKey	IdRubro
UI_NombreRubro	Alternate Key	NombreRubro

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction
EstadoRubro	Default		'A'

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
Productos	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Rubros(
    IdRubro         TINYINT         NOT NULL,
    NombreRubro     VARCHAR(30)     NOT NULL,
    EstadoRubro     CHAR(1)         DEFAULT 'A' NOT NULL,
    PRIMARY KEY (IdRubro),
    UNIQUE INDEX UI_NombreRubro(NombreRubro)
)
;
```

IdRubro

Column Name	IdRubro	**Table Name**	Rubros
Attribute Name	IdRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	Rubros	TINYINT
SVICMySql (MySQL)	IdRubro	Rubros	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1).

Note

Clave primaria de la Tabla Rubros (1/1).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

NombreRubro

Column Name	NombreRubro	**Table Name**	Rubros
Attribute Name	NombreRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	NombreRubro	Rubros	VARCHAR
SVICMySql (MySQL)	NombreRubro	Rubros	VARCHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Nombre del rubro .Único.

Note

Nombre del rubro .Único.

Column Properties

Data Type	VARCHAR(30)	**Width**	30	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	31
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

EstadoRubro

Column Name	EstadoRubro	**Table Name**	Rubros
Attribute Name	EstadoRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	EstadoRubro	Rubros	CHAR
SVICMySql (MySQL)	EstadoRubro	Rubros	CHAR

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Estado del rubro: A:Activo - I:Inactivo.

Note

Estado del rubro: A:Activo - I:Inactivo.

Column Properties

Data Type	CHAR(1)	**Width**	1	**Scale**
Nullable	NO			
Unsigned	NO			

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint	
Check Constraint Name	
Bound Rule	
Declared Default	'A'
Bound Default	
Reference Value	

Ventas

Table Name	Ventas	
Owner Name		
Table Type	INNODB	
Physical Only	NO	
Primary Keys	IdVenta,IdCliente,IdEmpleado	
Definition	Tabla que almacena en el sistema empleados a los clientes.	las ventas realizadas por los
Notes	Tabla que almacena en el sistema empleados a los clientes.	las ventas realizadas por los

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	Ventas	
SVICMySql (MySQL)	Ventas	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdVenta	BIGINT	ID	Clave primaria de la Tabla Ventas (1/3).
IdCliente	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).
IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1).
FechaVenta	DATETIME	N	fecha en la cual un empleado vende productos a un clientes.

Keys

Key Name	Key Type	Keys
PK10	PrimaryKey	IdVenta, IdCliente, IdEmpleado
UI_IdVenta	Alternate Key	IdVenta
IX_FechaVenta	Inversion Entry	FechaVenta
Ref710	Inversion Entry	IdCliente
Ref411	Inversion Entry	IdEmpleado

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Clientes	Identifying	One To Zero or More				IdClient e	NO
Empleado	Identify	One To				IdEmple	NO

s	ing	Zero or More				ado	

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype
VentasProductos	Identifying	One To Zero or More					NO

DDL Code

```
CREATE TABLE Ventas(
    IdVenta       BIGINT      AUTO_INCREMENT,
    IdCliente     INT         NOT NULL,
    IdEmpleado    INT         NOT NULL,
    FechaVenta    DATETIME    NOT NULL,
    PRIMARY KEY (IdVenta, IdCliente, IdEmpleado),
    UNIQUE INDEX UI_IdVenta(IdVenta),
    CONSTRAINT RefClientes10 FOREIGN KEY (IdCliente)
    REFERENCES Clientes(IdCliente),
    CONSTRAINT RefEmpleados11 FOREIGN KEY (IdEmpleado)
    REFERENCES Empleados(IdEmpleado)
)
;
```

IdVenta

Column Name	IdVenta	**Table Name**	Ventas
Attribute Name	IdVenta		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdVenta	Ventas	BIGINT
SVICMySql (MySQL)	IdVenta	Ventas	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Ventas (1/3).

Note

Clave primaria de la tabla Ventas (1/3).

Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdCliente

Column Name	IdCliente	**Table Name**	Ventas
Attribute Name	IdPersona		
Logical Role Name	IdCliente		
Role Name	IdCliente		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Clientes

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	Ventas	INTEGER
SVICMySql (MySQL)	IdCliente	Ventas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Column Name	IdEmpleado	**Table Name**	Ventas
Attribute Name	IdPersona		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	Ventas	INTEGER
SVICMySql (MySQL)	IdEmpleado	Ventas	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla (1/1).	Personas (1/1).	Clave primaria de la Tabla	Empleados

Note

Clave primaria de la Tabla (1/1).	Personas (1/1).	Clave primaria de la Tabla	Empleados

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

FechaVenta

Column Name	FechaVenta	**Table Name**	Ventas
Attribute Name	FechaVenta		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	FechaVenta	Ventas	DATETIME
SVICMySql (MySQL)	FechaVenta	Ventas	DATETIME

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

fecha en la cual un empleado vende productos a un clientes.

Note

fecha en la cual un empleado vende productos a un clientes.

Column Properties

Data Type	DATETIME	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

VentasProductos

Table Name	VentasProductos
Owner Name	
Table Type	INNODB
Physical Only	NO
Primary Keys	IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro
Definition	Tabla que almacena en el sistema los productos que se adquirieron en una venta.
Notes	Tabla que almacena en el sistema los productos que se adquirieron en una venta.

PreSQL

PostSQL

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used - Model Usage

Model	Logical Entity Name	Denormalization Mappings
Logical	VentasProductos	
SVICMySql (MySQL)	VentasProductos	

Where Used - Submodel Usage

Model	Submodel Usage
Logical	Main Model
SVICMySql (MySQL)	Main Model

User-Defined Mappings

Model	Name	Description

Columns

Column Name	Domain	Datatype	Null	Definition

IdVenta	BIGINT	N	Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos (1/5).
IdProducto	SMALLINT	N	Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).
IdCliente	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Clientes(1/1). Clave primaria de la Tabla VentasProductos (3/5).
IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).
IdRubro	TINYINT	N	Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).
PrecioVenta	DECIMAL(10, 0)	N	precio unitario del producto cuando se llevó a cabo la venta.
CantidadVenta	SMALLINT	N	cantidad de un producto que es vende.
Descuento	DECIMAL(30, 0)	N	es el descuento que se le hace por venta de un producto.

Keys

Key Name	Key Type	Keys
PK15	PrimaryKey	IdVenta, IdProducto, IdCliente, IdEmpleado, IdRubro
Ref1025	Inversion Entry	IdEmpleado, IdCliente, IdVenta
Ref1126	Inversion Entry	IdProducto, IdRubro

Storage

Growth Metrics

Current Row Count	0
Table Growth	Static
Growth Type	N/A
Growth Period	N/A
Maximum Rows	0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Ventas	Identifying	One To Zero or More				IdVenta, IdCliente, IdEmpleado	NO
Productos	Identifying	One To Zero or More				IdProducto, IdRubro	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Subtype

DDL Code

```
CREATE TABLE VentasProductos(
    IdVenta          BIGINT            NOT NULL,
    IdProducto       SMALLINT          NOT NULL,
    IdCliente        INT               NOT NULL,
    IdEmpleado       INT               NOT NULL,
    IdRubro          TINYINT           NOT NULL,
    PrecioVenta      DECIMAL(10, 0)    NOT NULL,
    CantidadVenta    SMALLINT          NOT NULL,
    Descuento        DECIMAL(30, 0)    NOT NULL,
    PRIMARY KEY (IdVenta, IdProducto, IdCliente, IdEmpleado,
IdRubro),
    CONSTRAINT RefVentas25 FOREIGN KEY (IdVenta, IdCliente,
IdEmpleado)
    REFERENCES Ventas(IdVenta, IdCliente, IdEmpleado),
    CONSTRAINT RefProductos26 FOREIGN KEY (IdProducto, IdRubro)
    REFERENCES Productos(IdProducto, IdRubro)
)
;
```

IdVenta

Column Name	IdVenta	**Table Name**	VentasProductos
Attribute Name	IdVenta		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdVenta	VentasProductos	BIGINT
SVICMySql (MySQL)	IdVenta	VentasProductos	BIGINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla (1/5).	Ventas (1/3).Clave primaria de la Tabla	VentasProductos

Note

Clave primaria de la Tabla (1/5).	Ventas (1/3).Clave primaria de la Tabla	VentasProductos

Column Properties

Data Type	BIGINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdProducto

Column Name	IdProducto	**Table Name**	VentasProductos
Attribute Name	IdProducto		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdProducto	VentasProductos	SMALLINT
SVICMySql (MySQL)	IdProducto	VentasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).

Note

Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).

Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdCliente

Column Name	IdCliente	**Table Name**	VentasProductos
Attribute Name	IdPersona		
Logical Role Name	IdCliente		
Role Name	IdCliente		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdCliente	VentasProductos	INTEGER
SVICMySql (MySQL)	IdCliente	VentasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla	Personas (1/1). Clave primaria de la Tabla	Clientes(1/1).
Clave primaria de la Tabla	VentasProductos (3/5).	

Note

Clave primaria de la Tabla	Personas (1/1). Clave primaria de la Tabla	Clientes(1/1).
Clave primaria de la Tabla	VentasProductos (3/5).	

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdEmpleado

Column Name	IdEmpleado	**Table Name**	VentasProductos
Attribute Name	IdPersona		
Logical Role Name	IdEmpleado		
Role Name	IdEmpleado		
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	Ventas

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdEmpleado	VentasProductos	INTEGER
SVICMySql (MySQL)	IdEmpleado	VentasProductos	INT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).

Note

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla VentasProductos (4/5).

Column Properties

Data Type	INT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

IdRubro

Column Name	IdRubro	**Table Name**	VentasProductos
Attribute Name	IdRubro		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	IdRubro	VentasProductos	TINYINT
SVICMySql (MySQL)	IdRubro	VentasProductos	TINYINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).

Note

Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos (5/5).

Column Properties

Data Type	TINYINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

PrecioVenta

Column Name	PrecioVenta	**Table Name**	VentasProductos
Attribute Name	PrecioVenta		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	PrecioVenta	VentasProductos	MONEY
SVICMySql (MySQL)	PrecioVenta	VentasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

precio unitario del producto cuando se llevó a cabo la venta.

Note

precio unitario del producto cuando se llevó a cabo la venta.

Column Properties

Data Type	DECIMAL(10, 0)	**Width**	10	**Scale**	0
Nullable	NO				
Unsigned	NO				

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

CantidadVenta

Column Name	CantidadVenta	**Table Name**	VentasProductos
Attribute Name	CantidadVenta		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	CantidadVenta	VentasProductos	SMALLINT
SVICMySql (MySQL)	CantidadVenta	VentasProductos	SMALLINT

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

cantidad de un producto que es vende.

Note

cantidad de un producto que es vende.

Column Properties

Data Type	SMALLINT	**Width**	**Scale**
Nullable	NO		
Unsigned	NO		

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Descuento

Column Name	Descuento	**Table Name**	VentasProductos
Attribute Name	Descuento		
Logical Role Name			
Role Name			
Physical Only	NO		
Domain			
Primary Key	NO		
Foreign Key	NO	**Parent Table**	

Security Properties

Name	Current Value

Bound Attachments

Name	Current Value

Data Movement Rules

Name	Type	Rule Text/Value

Where Used

Model	Name	Base Entity	Datatype
Logical	Descuento	VentasProductos	MONEY
SVICMySql (MySQL)	Descuento	VentasProductos	DECIMAL

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description

Direct Source Mappings

Columns	Transformation Logic	Transformation Description

Secondary Source Mappings

Columns	Transformation Logic	Transformation Description

Direct Target Mappings

Columns	Transformation Logic	Transformation Description

Secondary Target Mappings

Columns	Transformation Logic	Transformation Description

Definition

es el descuento que se le hace por venta de un producto.

Note

es el descuento que se le hace por venta de un producto.

Column Properties

Data Type	DECIMAL(30, 0)	**Width**	30	**Scale**	0
Nullable	NO				
Unsigned	NO				

Growth Metrics

Average Width	--
Percent Null	0

Domain Restrictions

Check Constraint
Check Constraint Name
Bound Rule
Declared Default
Bound Default
Reference Value

Index Summary Report

Table Name	Index Name	Fulltext	Unique
Clientes	PK7	NO	YES
Clientes	UI_Email	NO	YES
Clientes	IX_ApellidosClientes	NO	NO
Clientes	Ref24	NO	NO
Compras	PK8	NO	YES
Compras	UI_IdCompra	NO	YES
Compras	IX_FechaCompra	NO	NO
Compras	Ref37	NO	NO
Compras	Ref48	NO	NO
ComprasProductos	PK14	NO	YES
ComprasProductos	Ref823	NO	NO
ComprasProductos	Ref1124	NO	NO
Empleados	PK4	NO	YES
Empleados	UI_Usuario	NO	YES
Empleados	IX_Apellidos	NO	NO
Empleados	Ref22	NO	NO
Empleados	Ref99	NO	NO
Personas	PK2	NO	YES
Personas	IX_Nombres	NO	NO
Productos	PK11	NO	YES
Productos	UI_IdProducto	NO	YES
Productos	UI_NombreProducto	NO	YES
Productos	Ref1627	NO	NO
Proveedores	PK3	NO	YES
Proveedores	Ref21	NO	NO
Roles	PK9	NO	YES
Roles	UI_RolTipoRol	NO	YES
Rubros	PK16	NO	YES
Rubros	UI_NombreRubro	NO	YES
Ventas	PK10	NO	YES
Ventas	UI_IdVenta	NO	YES
Ventas	IX_FechaVenta	NO	NO
Ventas	Ref710	NO	NO
Ventas	Ref411	NO	NO
VentasProductos	PK15	NO	YES
VentasProductos	Ref1025	NO	NO
VentasProductos	Ref1126	NO	NO

Index Detail Reports

PK7

Index Name	PK7
Table Name	Clientes
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdCliente

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCliente	

DDL Code

UI_Email

Index Name	UI_Email
Table Name	Clientes
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	Email

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Email	

DDL Code

```
CREATE UNIQUE INDEX UI_Email ON Clientes(Email)
;
```

IX_ApellidosClientes

Index Name	IX_ApellidosClientes
Table Name	Clientes
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	Apellidos

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Apellidos	

DDL Code

```
CREATE INDEX IX_ApellidosClientes ON Clientes(Apellidos)
;
```

Ref24

Index Name	Ref24
Table Name	Clientes
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdCliente

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCliente	

DDL Code

```
CREATE INDEX Ref24 ON Clientes(IdCliente)
;
```

PK8

Index Name	PK8
Table Name	Compras
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdCompra,IdEmpleado,IdProveedor

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCompra	
IdEmpleado	
IdProveedor	

DDL Code

UI_IdCompra

Index Name	UI_IdCompra
Table Name	Compras
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	IdCompra

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCompra	

DDL Code

```
CREATE UNIQUE INDEX UI_IdCompra ON Compras(IdCompra)
;
```

IX_FechaCompra

Index Name	IX_FechaCompra
Table Name	Compras
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	FechaCompra

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
FechaCompra	

DDL Code

```
CREATE INDEX IX_FechaCompra ON Compras(FechaCompra)
;
```

Ref37

Index Name	Ref37
Table Name	Compras
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdProveedor

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProveedor	

DDL Code

```
CREATE INDEX Ref37 ON Compras(IdProveedor)
;
```

Ref48

Index Name	Ref48
Table Name	Compras
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdEmpleado

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdEmpleado	

DDL Code

```
CREATE INDEX Ref48 ON Compras(IdEmpleado)
;
```

PK14

Index Name	PK14
Table Name	ComprasProductos
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdCompra,IdProducto,IdEmpleado,IdProveedor,IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCompra	
IdProducto	
IdEmpleado	
IdProveedor	
IdRubro	

DDL Code

Ref823

Index Name	Ref823
Table Name	ComprasProductos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdProveedor,IdEmpleado,IdCompra

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProveedor	
IdEmpleado	
IdCompra	

DDL Code

```
CREATE INDEX Ref823 ON ComprasProductos(IdProveedor, IdEmpleado,
IdCompra)
;
```

Ref1124

Index Name	Ref1124
Table Name	ComprasProductos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdProducto,IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProducto	
IdRubro	

DDL Code

```
CREATE INDEX Ref1124 ON ComprasProductos(IdProducto, IdRubro)
;
```

PK4

Index Name	PK4
Table Name	Empleados
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdEmpleado

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdEmpleado	

DDL Code

UI_Usuario

Index Name	UI_Usuario
Table Name	Empleados
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	Usuario

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Usuario	

DDL Code

```
CREATE UNIQUE INDEX UI_Usuario ON Empleados(Usuario)
;
```

IX_Apellidos

Index Name	IX_Apellidos
Table Name	Empleados
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	Apellidos

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Apellidos	

DDL Code

```
CREATE INDEX IX_Apellidos ON Empleados(Apellidos)
;
```

Ref22

Index Name	Ref22
Table Name	Empleados
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdEmpleado

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdEmpleado	

DDL Code

```
CREATE INDEX Ref22 ON Empleados(IdEmpleado)
;
```

Ref99

Index Name	Ref99
Table Name	Empleados
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdRol

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdRol	

DDL Code

```
CREATE INDEX Ref99 ON Empleados(IdRol)
;
```

PK2

Index Name	PK2
Table Name	Personas
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdPersonas

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdPersonas	

DDL Code

IX_Nombres

Index Name	IX_Nombres
Table Name	Personas
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	Nombres

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Nombres	

DDL Code

```
CREATE INDEX IX_Nombres ON Personas(Nombres)
;
```

PK11

Index Name	PK11
Table Name	Productos
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdProducto,IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProducto	
IdRubro	

DDL Code

UI_IdProducto

Index Name	UI_IdProducto
Table Name	Productos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	IdProducto

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProducto	

DDL Code

```
CREATE UNIQUE INDEX UI_IdProducto ON Productos(IdProducto)
;
```

UI_NombreProducto

Index Name	UI_NombreProducto
Table Name	Productos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	NombreProducto

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
NombreProducto	

DDL Code

```
CREATE UNIQUE INDEX UI_NombreProducto ON Productos(NombreProducto)
;
```

Ref1627

Index Name	Ref1627
Table Name	Productos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdRubro	

DDL Code

```
CREATE INDEX Ref1627 ON Productos(IdRubro)
;
```

PK3

Index Name	PK3
Table Name	Proveedores
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdProveedor

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProveedor	

DDL Code

Ref21

Index Name	Ref21
Table Name	Proveedores
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdProveedor

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProveedor	

DDL Code

```
CREATE INDEX Ref21 ON Proveedores(IdProveedor)
;
```

PK9

Index Name	PK9
Table Name	Roles
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdRol

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdRol	

DDL Code

UI_RolTipoRol

Index Name	UI_RolTipoRol
Table Name	Roles
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	Rol,TipoRol

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
Rol	
TipoRol	

DDL Code

```
CREATE UNIQUE INDEX UI_RolTipoRol ON Roles(Rol, TipoRol)
;
```

PK16

Index Name	PK16
Table Name	Rubros
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdRubro	

DDL Code

UI_NombreRubro

Index Name	UI_NombreRubro
Table Name	Rubros
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	NombreRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
NombreRubro	

DDL Code

```
CREATE UNIQUE INDEX UI_NombreRubro ON Rubros(NombreRubro)
;
```

PK10

Index Name	PK10
Table Name	Ventas
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdVenta,IdCliente,IdEmpleado

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdVenta	
IdCliente	
IdEmpleado	

DDL Code

UI_IdVenta

Index Name	UI_IdVenta
Table Name	Ventas
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	YES
Index Keys	IdVenta

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdVenta	

DDL Code

```
CREATE UNIQUE INDEX UI_IdVenta ON Ventas(IdVenta)
;
```

IX_FechaVenta

Index Name	IX_FechaVenta
Table Name	Ventas
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	FechaVenta

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
FechaVenta	

DDL Code

```
CREATE INDEX IX_FechaVenta ON Ventas(FechaVenta)
;
```

Ref710

Index Name	Ref710
Table Name	Ventas
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdCliente

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdCliente	

DDL Code

```
CREATE INDEX Ref710 ON Ventas(IdCliente)
;
```

Ref411

Index Name	Ref411
Table Name	Ventas
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdEmpleado

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdEmpleado	

DDL Code

```
CREATE INDEX Ref411 ON Ventas(IdEmpleado)
;
```

PK15

Index Name	PK15
Table Name	VentasProductos
Physical Only	NO
Fulltext	NO
Index Type	PrimaryKey
Unique	YES
Index Keys	IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdVenta	
IdProducto	
IdCliente	
IdEmpleado	
IdRubro	

DDL Code

Ref1025

Index Name	Ref1025
Table Name	VentasProductos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdEmpleado,IdCliente,IdVenta

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdEmpleado	
IdCliente	
IdVenta	

DDL Code

```
CREATE INDEX Ref1025 ON VentasProductos(IdEmpleado, IdCliente,
IdVenta)
;
```

Ref1126

Index Name	Ref1126
Table Name	VentasProductos
Physical Only	NO
Fulltext	NO
Index Type	Index
Unique	NO
Index Keys	IdProducto,IdRubro

Bound Attachments

Name	Current Value

Index Keys

Index Key	Sort Order
IdProducto	
IdRubro	

DDL Code

```
CREATE INDEX Ref1126 ON VentasProductos(IdProducto, IdRubro)
;
```

Foreign Key Summary Report

Parent Table	Child Table	Type	No. of Keys
Personas	Proveedores	Identifying	1
Personas	Empleados	Identifying	1
Personas	Clientes	Identifying	1
Proveedores	Compras	Identifying	1
Empleados	Compras	Identifying	1
Roles	Empleados	Non-Identifying	1
Clientes	Ventas	Identifying	1
Empleados	Ventas	Identifying	1
Compras	ComprasProductos	Identifying	3
Productos	ComprasProductos	Identifying	2
Ventas	VentasProductos	Identifying	3
Productos	VentasProductos	Identifying	2
Rubros	Productos	Identifying	1

Foreign Key Detail Reports

Foreign Key: Personas to Proveedores

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Personas
Child Table	Proveedores
Cardinality	One to Zero or One
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdPersonas	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Personas to Empleados

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Personas
Child Table	Empleados
Cardinality	One to Zero or One
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdPersonas	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Personas to Clientes

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Personas
Child Table	Clientes
Cardinality	One to Zero or One
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdPersonas	IdCliente

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Proveedores to Compras

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Proveedores
Child Table	Compras
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdProveedor	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Empleados to Compras

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Empleados
Child Table	Compras
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Roles to Empleados

Name	
Name	
Type	Non-Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Roles
Child Table	Empleados
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdRol	IdRol

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Clientes to Ventas

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Clientes
Child Table	Ventas
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdCliente	IdCliente

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Empleados to Ventas

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Empleados
Child Table	Ventas
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Compras to ComprasProductos

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Compras
Child Table	ComprasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdCompra	IdCompra
IdEmpleado	IdEmpleado
IdProveedor	IdProveedor

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Productos to ComprasProductos

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Productos
Child Table	ComprasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdProducto	IdProducto
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Ventas to VentasProductos

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Ventas
Child Table	VentasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdVenta	IdVenta
IdCliente	IdCliente
IdEmpleado	IdEmpleado

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Productos to VentasProductos

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Productos
Child Table	VentasProductos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdProducto	IdProducto
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None

Foreign Key: Rubros to Productos

Name	
Name	
Type	Identifying
Do Not Generate	False
Physical Only	NO
Parent Table	Rubros
Child Table	Productos
Cardinality	One To Zero or More
Existence	Mandatory
Propagated Key	Primary Key

Bound Attachments

Name	Current Value

Foreign Key Description

Verb Sentence	
Inverse Verb	
Sentence	
Definition	
Note	

Keys

Parent Key	Child Key
IdRubro	IdRubro

Trigger Templates

Trigger Event	Trigger Action
Parent Insert	None
Parent Update	None
Parent Delete	None
Child Insert	None
Child Update	None
Child Delete	None