Diagram Report

SistemaInsumos1.1.dm1
Version 1.0

CRDevelopment Facundo Last Modified 12/02/2020 Copyright 2020 CRDevelopment

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RELATIONSHIP: F	PERSONAS TO CLIENTES
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RELATIONSHIP: E	EMPLEADOS TO COMPRAS
RELATIONSHIP: F	ROLES TO EMPLEADOS
RELATIONSHIP: (CLIENTES TO VENTAS
	EMPLEADOS TO VENTAS
	COMPRAS TO COMPRAS PRODUCTOS
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	VENTAS TO VENTASPRODUCTOS
	PRODUCTOS TO VENTAS PRODUCTOS
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MAIN MODEL IMAMAIN MODEL IMAMAIN MODEL IMAMAIN MODEL TABLE SUMMA TABLE DETAIL CLIENTES IdCliente Apellidos Email COMPRAS IdCompra IdEmpleado IdProveedor FechaComp COMPRASPRODU IdCompra IdProducto IdEmpleado IdProveedor IdProveedor IdProveedor IdRubro PrecioComp CantidadCoi	TAIL REPORTS AGE ARY REPORT L REPORTS DITA
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PK4	324
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IX APELLIDOS	325
REF22	320
REF99	327
	320
PK2	
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PK11	331
UI_IDPRODUCTO	332
UI_NombreProducto	333
REF1627	334
PK3	335
REF21	336
PK9	337
UI_RolTipoRol	338
PK16	339
UI_NombreRubro	340
PK10	341
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Diagram Summary Report

NameAuthorDescriptionSistemalnsumos1.1.dm1Facundo

Diagram Detail Reports

Sistemalnsumos1.1.dm1

Diagram Name Description SistemaInsumos1.1.dm1

Author Facundo

CRDevelopment Company

Version

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Copyright Year

Bound Attachments

Name **Current Value**

Model Summary Report

Name Logical SVICMySql DatabasePlatform Logical MySQL 5.x

Model Detail Reports

Logical

Model Name Database Platform Logical Logical

Platform Model Notation

Physical

Security Properties

Name Current Value

Bound Attachments

Name Current Value

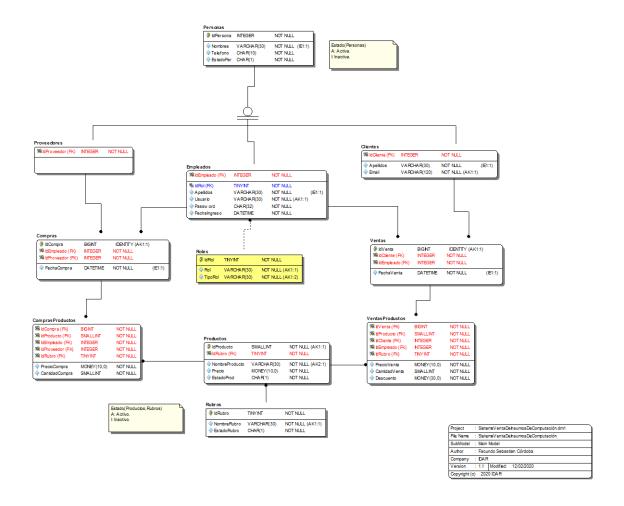
Submodel Summary Report

Name Main Model DatabasePlatform

Logical

Submodel Detail Reports

Main Model Image



Main Model

SubModel Main Model

Name Database

Logical

Platform 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,IdP roveedor,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,IdEmple ado.IdRubro	8

Entity Detail Reports

Clientes

Entity Name

Clientes

Owner Name

NO

Logical Only 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 Main Model

SVICMySql (MySQL)

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	ls Supertype
Personas	ing Zero or	Zero or				IdClient e	YES
	Ü	More					

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Ventas	Identify ing	One To Zero or More				•	NO

IdCliente

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

ModelNameBase EntityDatatypeLogicalIdClienteClientesINTEGERSVICMySql (MySQL)IdClienteClientesINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Apellidos** Clientes **VARCHAR** SVICMySql (MySQL) **Apellidos VARCHAR** Clientes **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

Definition

Apellidos del cliente.

Note

Apellidos del cliente.

Logical Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO ldentity 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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Email** Clientes **VARCHAR** SVICMySql (MySQL) Clientes **VARCHAR** Email **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

Definition

correo electronico del cliente. Único.

Note

correo electronico del cliente. Único.

Logical Column Properties

Data Type VARCHAR(120) Width 120 Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Reference Value

Compras

Entity Name Compras

Owner Name

NO

Logical Only

Dependent

Entity Type 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 Grantee Name Type

Permission Action Type

Type

Is Action Extended ls 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 SVICMySql (MySQL) Compras Compras

Where Used - Submodel Usage

Model

Submodel Usage

Logical

Main Model Main Model

SVICMySql (MySQL)

User-Defined Mappings

Model Name

Description

Keys

Key Name

Key Type

Keys

PK8 UI IdCompra IX_FechaCompra

PrimaryKey Alternate Key **Inversion Entry** IdCompra, IdEmpleado, IdProveedor

IdCompra 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
FechaCompra		DATETIME	N	Compras(3/3). fecha en la cual un empleado compra productos a un proveedor.

Defaults, Rules and Check Constraints

Attribute	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Proveedor	Identify	One To				IdProve	NO
es	ing	Zero or				edor	
		More					
Empleado	Identify	One To				IdEmple	NO
S	ing	Zero or				ado	
		More					

Child Relationships:

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
ComprasP	Identify	One To					NO
roductos	ıng	Zero or More					

IdCompra

Entity Name

Parent Entity

Compras

Attribute Name IdCompra IdCompra

Column Name

Logical Role Name

Role Name Logical Only

Domain

Primary Key YES

Foreign Key NO

Security Properties

Current Value Name

NO

Bound Attachments

Name **Current Value**

Data Movement Rules

Name Type Rule Text/Value

Where Used

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

User-Defined Mappings

Base Entity Model Name **Datatype** Description

Direct Source Mappings

Transformati Transformation Description Columns

on Logic

Secondary Source Mappings

Transformati Transformation Description Columns

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

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

IdEmpleado IdEmpleado

Name Role Name

IdEmpleado

Logical Only Domain

NO

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

ModelNameBase EntityDatatypeLogicalIdEmpleadoComprasINTEGERSVICMySql (MySQL)IdEmpleadoComprasINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

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 Column Name IdProveedor**

IdProveedor

IdProveedor

NO

Logical Role

Name **Role Name**

Logical Only Domain

Primary Key

YES Foreign Key YES

Compras

Parent Entity

Proveedores

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Transformati Columns Transformation Description

on Logic

Direct Target Mappings

Transformati Columns Transformation Description

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description on Logic

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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical FechaCompra Compras DATETIME SVICMySql (MySQL) Compras **DATETIME** FechaCompra **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings**

Transformati

Transformati

on Logic

on Logic

Transformation Description

Transformation Description

Columns

Columns

Direct Target Mappings

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

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 Grantee Permission Action Is Action Is

Name Type Type Extended 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
IdProducto		SMALLINT	N	la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos
IdEmpleado		INTEGER	N	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
IdProveedor		INTEGER	N	(3/5). 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
PrecioCompra		MONEY(10, 0)	N	(5/5). precio unitario del producto cuando

CantidadCompra

SMALLINT

se llevó a cabo la compra. N cantidad de un

cantidad de producto comprada.

Attribute	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Compras	Identify ing	One To Zero or More				IdCompr a, IdEmple ado, IdProve edor	NO
Productos	Identify ing	One To Zero or More				IdProdu cto, IdRubro	NO

Child Relationships:

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

IdCompra

Attribute Name Column Name Logical Role	IdCompra IdCompra	Entity Name	ComprasProductos
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	Data I	/lover	nent	Rul	es
---------------------	--------	--------	------	-----	----

Data Movement Rules				
Name	Туре	Rule Text/Value		
Where Used				
Model Logical SVICMySql (MySQL) User-Defined Mapping	Name IdCompra IdCompra	Base Entity ComprasProductos ComprasProductos	Datatype BIGINT BIGINT	
Model Name	Base Entity	Datatype De	scription	
Direct Source Mapping	js			
Columns	Transformati on Logic	Transformation De	escription	
Secondary Source Ma	ppings			
Columns	Transformati on Logic	Transformation De	escription	
Direct Target Mapping	S			
Columns	Transformati on Logic	Transformation De	escription	
Secondary Target Map	pings			
Columns	Transformati on Logic	Transformation De	escription	
Definition				

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

NO

Data Type	BIGINT	Width	Scale
Nullable	NO		

Domain Restrictions

Identity

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

ModelNameBase EntityDatatypeLogicalIdProductoComprasProductosSMALLINTSVICMySql (MySQL)IdProductoComprasProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

Column Name IdEmpleado **Logical Role** IdEmpleado

Name

Role Name

IdEmpleado NO

Logical Only

Domain

Primary Key YES Foreign Key YES

Parent Entity Compras

ComprasProductos

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdEmpleadoComprasProductosINTEGERSVICMySql (MySQL)IdEmpleadoComprasProductosINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

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 ldentity NO

Domain Restrictions

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

IdProveedor

Attribute Name IdPersona **Column Name IdProveedor**

Logical Role

Name

Role Name IdProveedor NO

Logical Only Domain

Primary Key

YES Foreign Key YES **Entity Name**

ComprasProductos

Parent Entity Compras

Security Properties

Current Value Name

IdProveedor

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

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 **Parent Entity** YES **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical IdRubro ComprasProductos TINYINT ComprasProductos SVICMySql (MySQL) **TINYINT** IdRubro **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic

Transformati

on Logic

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

Logical Column Properties

Data Type TINYINT Width Scale

Nullable NO ldentity 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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical PrecioCompra ComprasProductos MONEY SVICMySql (MySQL) PrecioCompra ComprasProductos **DECIMAL User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings**

Transformati

Transformati on Logic

on Logic

Transformation Description

Transformation Description

Columns

Columns

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

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

CantidadCompra

Attribute Name CantidadCompra **Entity Name** ComprasProductos **Column Name** CantidadCompra **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical CantidadCompra ComprasProductos **SMALLINT** SVICMySql (MySQL) CantidadCompra ComprasProductos **SMALLINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

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

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 Grantee Permission Action Is Action Is

Name Type Type Extended 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 NameKey TypeKeysPK4PrimaryKeyIdEmpleadoUI_UsuarioAlternate KeyUsuarioIX_ApellidosInversion EntryApellidos

Attributes

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

Defaults, Rules and Check Constraints

Attribute	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identify	One To				IdEmple	YES
	ing	Zero or				ado	
	_	More					
Roles	Non-Id	One To				IdRol	NO
	entifyin	Zero or					
	g	More					

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Compras	Identify	One To					NO
	ing	Zero or More					
Ventas	Identify	One To					NO
	ing	Zero or					
		More					

IdEmpleado

Attribute Name IdPersona Entity Name Column Name IdEmpleado

Column Name IdEmpleado IdEmpleado

Name

Role Name IdEmpleado

Logical Only Domain

NO

Primary Key YES Foreign Key YES

Parent Entity

Personas

Empleados

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdEmpleadoEmpleadosINTEGERSVICMySql (MySQL)IdEmpleadoEmpleadosINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

Logical Column Properties

Data Type INTEGER Width Scale

Nullable NO ldentity 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 Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical IdRol Empleados TINYINT SVICMySql (MySQL) IdRol Empleados **TINYINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings Transformati Transformation Description Columns**

on Logic

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Apellidos

Attribute Name Apellidos Entity Name Empleados Column Name Apellidos **Logical Role** Name **Role Name Logical Only** NO **Domain Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Apellidos** Empleados **VARCHAR** SVICMySql (MySQL) **Apellidos Empleados VARCHAR User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

Definition

Apellidos del Empleado.

Note

Apellidos del Empleado.

Logical Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Usuario

Attribute Name Usuario **Entity Name Empleados Column Name** Usuario **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Usuario Empleados **VARCHAR** SVICMySql (MySQL) Empleados **VARCHAR** Usuario **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings Transformati Transformation Description Columns**

on Logic

Columns Transformati Transformation Description on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Password

Attribute Name Password **Entity Name Empleados Column Name** Password **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Password Empleados CHAR SVICMySql (MySQL) Password Empleados **CHAR User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Fechalngreso

Attribute Name Fechalngreso **Entity Name Empleados Column Name** Fechalngreso **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Fechalngreso Empleados DATETIME SVICMySql (MySQL) Fechalngreso Empleados **DATETIME User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

Definition

Fecha de ingreso del empleado.

Note

Fecha de ingreso del empleado.

Logical Column Properties

Data Type DATETIME Width Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Personas

Entity Name Personas

Owner Name

Logical Only NO

Entity Type Independent, Supertype

Primary Keys IdPersona

DefinitionTabla que almacena las personas participantes del sistema. **Notes**Tabla que almacena las personas participantes del sistema.

Object Permission

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

ModelSubmodel UsageLogicalMain ModelSVICMySql (MySQL)Main Model

User-Defined Mappings

Model Name Description

Keys

Key NameKey TypeKeysPK2PrimaryKeyIdPersonaIX_NombresInversion EntryNombres

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdPersona		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
Nombres		VARCHAR(30)	Ν	Nombres de la
				persona.
Telefono		CHAR(10)	N	20 01 101010110 40
EstadoPer		CHAR(1)	Ν	la Persona. Estado de las
				personas. A: Activa - I: Inactiva.

Defaults, Rules and Check Constraints

Attribute EstadoPer	Type Default	Name	Restriction 'A'	
Relationships				

Business

Parent Relationships:

Type

Cardinality

Entity

	Name	71	,	Name	Phrase	Phrase	Keys	Supertype
(Child Relation	onships:						
	Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
	Proveedor	Identify	One To				•	YES
	es	ing	Zero or					
	Empleado	Identify	One To					YES
	S	ing	Zero or					
			More					
	Clientes	Identify	One To					YES
		ing	Zero or					
			More					
	es Empleado s	ing Identify ing Identify	Zero or More One To Zero or More One To Zero or					YES

Verb

Inverse

Foreign

ls

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	Туре	Rule Text/Val	ue		
Where Used					
Model Logical SVICMySql (MySQL)		Base Entity Personas Personas	Datatype INTEGER INT		
User-Defined Mappings	S				
Model Name	Base Entity	Datatype	Description		
Direct Source Mapping	js .				
Columns	Transformati on Logic	Transformation	on Description		
Secondary Source Map	opings				
Columns	Transformati on Logic	Transformation	on Description		
Direct Target Mappings	S				
Columns	Transformati on Logic	Transformation	on Description		
Secondary Target Map	pings				
Columns	Transformati on Logic	Transformation	on Description		
Definition					
Clave primaria de la Ta	abla 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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Nombres Personas **VARCHAR** SVICMySql (MySQL) Personas **VARCHAR** Nombres **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description

on Logic

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

Telefono

Attribute Name Telefono **Entity Name** Personas **Column Name** Telefono **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Telefono Personas CHAR SVICMySql (MySQL) Telefono Personas **CHAR User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Transformati Columns Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description

on Logic

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

EstadoPer

Attribute NameEstadoPerEntity NamePersonasColumn NameEstadoPer

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

ModelNameBase EntityDatatypeLogicalEstadoPerPersonasCHARSVICMySql (MySQL)EstadoPerPersonasCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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

Dependent **Entity Type**

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 Permission Grantee

Name Type Type Type Extended System

Action

Is Action

ls

Security Properties

Name **Current Value**

Bound Attachments

Current Value Name

Data Movement Rules

Name **Type** Rule Text/Value

Where Used - Model Usage

Model **Logical Entity Name Denormalization Mappings**

Productos Logical SVICMySql (MySQL) **Productos**

Where Used - Submodel Usage

Model Submodel Usage

Main Model Logical 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	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Rubros	Identify ing	One To Zero or More				IdRubro	NO

Child Relationships:

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
ComprasP	Identify	One To					NO
roductos	ing	Zero or More					
VentasPro	Identify	One To					NO
ductos	ing	Zero or					
		More					

IdProducto

Attribute Name IdProducto IdProducto

Entity Name

Productos

Logical Role Name Role Name

Logical Only

Domain

NO

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

ModelNameBase EntityDatatypeLogicalIdProductoProductosSMALLINTSVICMySql (MySQL)IdProductoProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

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 **Parent Entity** YES Rubros **Security Properties** Name **Current Value Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical IdRubro **Productos** TINYINT SVICMySql (MySQL) **Productos TINYINT** IdRubro **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic

Transformati

on Logic

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description

on Logic

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

NombreProducto

Attribute Name NombreProducto **Entity Name Productos Column Name** NombreProducto **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical NombreProducto **Productos VARCHAR** SVICMySql (MySQL) NombreProducto **Productos VARCHAR User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description**

on Logic

on Logic

on Logic

Transformati

Transformati

Transformation Description

Transformation Description

Secondary Source Mappings

Direct Target Mappings

Columns

Columns

Columns Transformati Transformation Description

on Logic

Definition

Nombre del producto. Único.

Note

Nombre del producto. Único.

Logical Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Precio

Attribute Name Column Name Logical Role Name	Precio Precio	E	Entity Name	Productos
Role Name Logical Only	NO			
Domain Primary Key Foreign Key	NO NO	F	Parent Entity	
Security Properti	es			
Name		Current Value	•	
Bound Attachme	nts			
Name		Current Value	•	
Data Movement F	Rules			
Name		Туре	Rule Text/Value	•
Where Used				
Model Logical SVICMySql (My	Nan Pred SQL) Pred	cio	Base Entity Productos Productos	Datatype MONEY DECIMAL
User-Defined Ma	ppings			
Model Nan	ne	Base Entity	Datatype	Description
Direct Source Ma	ppings			
Columns		Transformati on Logic	Transformation	n Description
Secondary Source	e Mapping	JS		
Columns		Transformati on Logic	Transformation	n Description
Direct Target Ma	ppings			
Columns		Transformati on Logic	Transformation	n Description

Columns Transformati Transformation Description

on Logic

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

EstadoProd

Attribute NameEstadoProdEntity NameProductosColumn NameEstadoProd

Logical Role Name

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

ModelNameBase EntityDatatypeLogicalEstadoProdProductosCHARSVICMySql (MySQL)EstadoProdProductosCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

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 Grantee Permission Action Is Action Is

Name Type Type Extended 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	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identify	One To				IdProve	YES
	ing	Zero or				edor	
		More					

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Compras	ldentify ina	One To Zero or				-	NO
	ii ig	More					

IdProveedor

Attribute Name Column Name Logical Role	IdPersona IdProveedor IdProveedor	Entity Name	Proveedores
Name			
Role Name	IdProveedor		
Logical Only	NO		
Domain			
Primary Key	YES		
Foreign Key	YES	Parent Entity	Personas
0 ,		•	
r oreign ney	120	r archit Entity	i Cisolias

Security Properties

Name Current Value

D	_		n	٦	Α	44	-	\sim	h	-	-	-	-
	U	u	п	u	М	ш	.a	C	П	ш	ıe	ш	12

Name		Current Value		
Data Movement F	Rules	Janone Value		
-	(ules	_		
Name		Туре	Rule Text/Value	9
Where Used				
Model	Nam		Base Entity	Datatype
Logical SVICMySql (MyS		oveedor oveedor	Proveedores Proveedores	INTEGER INT
User-Defined Ma	ppings			
Model Nan	ne	Base Entity	Datatype	Description
Direct Source Ma	ppings			
Columns		Transformati on Logic	Transformation	Description
Secondary Source	e Mapping	S		
Columns		Transformati on Logic	Transformation	Description
Direct Target Ma	ppings			
Columns		Transformati on Logic	Transformation	Description
Secondary Targe	t Mappings	i		
Columns		Transformati on Logic	Transformation	Description
Definition				
Clave primaria d (1/1).	e la Tabla	Personas (1/1).	Clave primaria de	la Tabla Proveedores
Note				
Clave primaria d (1/1).	e la Tabla	Personas (1/1).	Clave primaria de	la Tabla Proveedores
Logical Column I	Properties			
Data Type Nullable Identity	INTEGER NO NO	V	Vidth	Scale

Domain Restrictions

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

Roles

Entity Name Roles

Owner Name

NO

Logical Only

Independent **Entity Type**

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 **Permission Action** Grantee Is Action

Name Type Type Type Extended System

Is

Security Properties

Name **Current Value**

Bound Attachments

Current Value Name

Data Movement Rules

Name **Type** Rule Text/Value

Where Used - Model Usage

Model **Logical Entity Name Denormalization Mappings**

Roles Logical SVICMySql (MySQL) Roles

Where Used - Submodel Usage

Model Submodel Usage

Main Model Logical SVICMySql (MySQL) Main Model

User-Defined Mappings

Model Name Description

Keys

Key Name Key Type Keys PK9 PrimaryKey IdRol

UI RolTipoRol Rol, TipoRol Alternate Key

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	Туре	Name	Restriction
Relationships			

Parent Relationships:

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

Child Relationships:

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Empleado s	Non-Id entifyin	One To Zero or				-	NO
	g	More					

IdRol

Attribute Name	IdRol	Entity Name	Roles
Column Name	IdRol		
Logical Role			
Name			
Role Name			
Logical Only	NO		

Domain
Primary Key
Foreign Key
NO

reign Key NO Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules	es	ul	: Rı	ent	oven	M)ata	D
---------------------	----	----	------	-----	------	---	------	---

Name		Туре	Rule Text/Value	9
Where Used				
Model Logical SVICMySql (MyS	Nam IdRo (QL) IdRo	l	Base Entity Roles Roles	Datatype TINYINT TINYINT
User-Defined Map	pings			
Model Nam	е	Base Entity	Datatype	Description
Direct Source Map	ppings			
Columns		Transformati on Logic	Transformation	Description
Secondary Source	e Mapping	S		
Columns		Transformati on Logic	Transformation	Description
Direct Target Map	pings			
Columns		Transformati on Logic	Transformation	Description
Secondary Target	Mappings			
Columns		Transformati on Logic	Transformation	Description
Definition				
Clave primaria de	e la Tabla R	oles (1/1).		
Note				
Clave primaria de	e la Tabla R	oles (1/1).		
Logical Column P	roperties			
Data Type Nullable Identity	TINYINT NO NO	,	Width	Scale

Domain Restrictions

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

Rol

Attribute Name Column Name Logical Role Name Role Name	Rol Rol		E	ntity Name	Roles
Logical Only Domain	NO				
Primary Key Foreign Key	NO NO		ь	arent Entity	
			r	arent Linity	
Security Properti	es_				
Name			Current Value		
Bound Attachme	nts				
Name			Current Value		
Data Movement F	Rules				
Name			Туре	Rule Text/Val	ue
Where Used					
Model Logical SVICMySql (Mys	SQL)	Nam Rol Rol	e	Base Entity Roles Roles	Datatype VARCHAR VARCHAR
Logical	ŕ	Rol Rol	e	Roles	VARCHAR
Logical SVICMySql (My	pping	Rol Rol	Base Entity	Roles	VARCHAR
Logical SVICMySql (MyS	pping ne	Rol Rol	-	Roles Roles	VARCHAR VARCHAR
Logical SVICMySql (MyS User-Defined Ma Model Nam	pping ne	Rol Rol	-	Roles Roles Datatype	VARCHAR VARCHAR
Logical SVICMySql (MyS User-Defined Ma Model Nan Direct Source Ma	pping	Rol Rol s	Base Entity Transformati on Logic	Roles Roles Datatype	VARCHAR VARCHAR Description
Logical SVICMySql (Mys User-Defined Ma Model Nan Direct Source Ma Columns	pping	Rol Rol s	Base Entity Transformati on Logic	Roles Roles Datatype Transformation	VARCHAR VARCHAR Description
Logical SVICMySql (MyS User-Defined Ma Model Nam Direct Source Ma Columns Secondary Source	pping ne apping	Rol Rol s	Base Entity Transformati on Logic Transformati	Roles Roles Datatype Transformation	VARCHAR VARCHAR Description on Description

Columns Transformati Transformation Description

on Logic

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

TipoRol

Attribute Name TipoRol **Entity Name** Roles **Column Name** TipoRol **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **TipoRol** Roles **VARCHAR** SVICMySql (MySQL) **TipoRol VARCHAR** Roles **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

Definition

Nombre del tiporol. Único.

Note

Nombre del tiporol. Único.

Logical Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

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 Grantee Permission Action Is Action Is

Name Type Type Extended 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 NameKey TypeKeysPK16PrimaryKeyIdRubroUI NombreRubroAlternate KeyNombreRubro

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 Type Name	Cardinality	Business Name			_	ls Supertype
---------------------	-------------	------------------	--	--	---	-----------------

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Productos	Identify ing	One To Zero or More				•	NO

IdRubro

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

Security Properties

Name Current Value

		tac		

Name		Current Value				
Data Moveme	nt Rules					
Name		Туре	Rule Text/Valu	e		
Where Used						
Model Logical SVICMySql (ubro	Base Entity Rubros Rubros	Datatype TINYINT TINYINT		
User-Defined	Mappings					
Model	Name	Base Entity	Datatype	Description		
Direct Source	Mappings					
Columns		Transformati on Logic	Transformation	n Description		
Secondary So	ource Mapping	JS .				
Columns		Transformati on Logic	Transformation	n Description		
Direct Target	Mappings					
Columns		Transformati on Logic	Transformation	n Description		
Secondary Ta	rget Mappings	S				
Columns		Transformati on Logic	Transformation	n Description		
Definition						
Clave primaria de la Tabla Rubros (1/1).						
Note						
Clave primaria de la Tabla Rubros (1/1).						
Logical Column Properties						
Data Type Nullable Identity	TINYINT NO NO	V	Vidth	Scale		

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

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

ModelNameBase EntityDatatypeLogicalNombreRubroRubrosVARCHARSVICMySql (MySQL)NombreRubroRubrosVARCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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

EstadoRubro

Attribute NameEstadoRubroEntity NameRubrosColumn NameEstadoRubro

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

ModelNameBase EntityDatatypeLogicalEstadoRubroRubrosCHARSVICMySql (MySQL)EstadoRubroRubrosCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default 'A'

Bound Default Reference Value

Ventas

Entity Name Ventas

Owner Name

NO

Logical Only

Dependent

Entity Type 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 Grantee Name Type

Permission Action Type Type

Is Action Extended ls 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 SVICMySql (MySQL) Ventas 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 UI IdVenta IX_FechaVenta

PrimaryKey Alternate Key Inversion Entry IdVenta, IdCliente, IdEmpleado

IdVenta 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	_ · · · · · · · · · · · · · · · · · · ·	
FechaVenta		DATETIME	N	fecha en la cual un empleado vende productos a un clientes.	

Defaults, Rules and Check Constraints

Attribute	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Clientes	Identify	One To				IdClient	NO
	ing	Zero or				е	
	-	More					
Empleado	Identify	One To				IdEmple	NO
S	ing	Zero or				ado	
	•	More					

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
VentasPro	Identify	One To				_	NO
ductos	ing	Zero or					
		More					

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 Type** Rule Text/Value Name **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 Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings Columns Transformati Transformation Description** on Logic **Secondary Target Mappings**

Transformati

Transformation Description

Columns

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 ldentity YES

Domain Restrictions

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

IdCliente

Attribute Name IdPersona **Column Name IdCliente IdCliente**

Logical Role

Name

Role Name IdCliente Logical Only NO

Domain

Primary Key YES Foreign Key YES

Parent Entity

Entity Name

Clientes

Ventas

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Transformati Columns Transformation Description

on Logic

Direct Target Mappings

Transformati Columns Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Reference Value

IdEmpleado

Attribute Name IdPersona **Entity Name Column Name**

Logical Role

IdEmpleado **IdEmpleado**

Ventas

Name **Role Name**

IdEmpleado

Logical Only Domain

NO

Primary Key YES Foreign Key YES

Parent Entity

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

Logical Column Properties

Data Type INTEGER Width Scale

Nullable NO ldentity 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

Logical Role Name Role Name

Logical Only NO

Domain

Primary Key NO Foreign Key NO

NO Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalFechaVentaVentasDATETIMESVICMySql (MySQL)FechaVentaVentasDATETIME

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Reference Value

VentasProductos

Entity Name Ventas Productos

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 Grantee Permission Action Is Action Is

Name Type Type Extended 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
IdProducto		SMALLINT	N	(1/5). Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos
IdCliente		INTEGER	N	(2/5). 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
IdRubro		TINYINT	N	(4/5). Clave primaria de la Tabla Rubros (1/1). Clave primaria de la Tabla Productos (2/2).Clave primaria de la Tabla VentasProductos
PrecioVenta		MONEY(10, 0)	N	(5/5). 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)	Ν	es el descuento

Defaults, Rules and Check Constraints

Attribute	Туре	Name	Restriction
Relationships			
Parent Relationships:			

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Ventas	Identify	One To				IdVenta,	NO
	ing	Zero or				IdClient	
		More				e,	
						IdEmple	
						ado	
Productos	Identify	One To				IdProdu	NO
	ing	Zero or				cto,	
		More				IdRubro	

Child Relationships:

Entity	Туре	Cardinality	Business	Verb	Inverse	Foreign	ls
Name			Name	Phrase	Phrase	Keys	Subtype

IdVenta

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

Security Properties

Name	Current Value	
Bound Attachments		

Data Movement Rules				_	
		101101		D	
	HIATA	VICIVAL	прит	R III	

Name		Туре	Rule Text/Value			
Where Used						
Model Logical SVICMySql		ne enta enta	Base Entity VentasProductos VentasProductos	Datatype BIGINT BIGINT		
User-Defined	l Mappings					
Model	Name	Base Entity	Datatype	Description		
Direct Sourc	e Mappings					
Columns		Transformati on Logic	Transformation	Description		
Secondary S	ource Mapping	js				
Columns		Transformati on Logic	Transformation	Description		
Direct Target	Mappings					
Columns		Transformati on Logic	Transformation	Description		
Secondary T	arget Mapping	S				
Columns		Transformati on Logic	Transformation	Description		
Definition						
Clave prima (1/5).	ria de la Tabla	Ventas (1/3).Cla	ave primaria de la T	abla VentasProductos		
Note						
Clave prima (1/5).	ria de la Tabla	Ventas (1/3).Cla	ave primaria de la T	abla VentasProductos		
Logical Colu	Logical Column Properties					
Data Type Nullable Identity	BIGINT NO NO	v	Vidth	Scale		
Domain Rest	rictions					

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

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Transformati Columns Transformation Description

on Logic

Direct Target Mappings

Transformati Transformation Description Columns

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Note

Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla Ventas Productos (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 IdCliente Logical Role IdCliente

Name

Name Role Name Logical Only

IdCliente NO

Domain

Primary Key YES Foreign Key YES

Parent Entity

Entity Name

Ventas

VentasProductos

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdClienteVentasProductosINTEGERSVICMySql (MySQL)IdClienteVentasProductosINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 Column Name** IdEmpleado

IdEmpleado

IdEmpleado

NO

Logical Role

Name

Role Name

Logical Only Domain

Primary Key Foreign Key YES

YES

Parent Entity Ventas

VentasProductos

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

Clave primaria de la Tabla Personas (1/1). Clave primaria de la Tabla Empleados (1/1). Clave primaria de la Tabla Ventas Productos (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 ldentity 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 **Parent Entity** YES **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical IdRubro VentasProductos TINYINT SVICMySql (MySQL) VentasProductos **TINYINT** IdRubro **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

Logical Column Properties

Data Type TINYINT Width Scale

Nullable NO ldentity 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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical PrecioVenta VentasProductos MONEY SVICMySql (MySQL) PrecioVenta VentasProductos **DECIMAL User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description on Logic

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 ldentity 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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical CantidadVenta VentasProductos **SMALLINT** VentasProductos SVICMySql (MySQL) CantidadVenta **SMALLINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

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 **Parent Entity** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Descuento VentasProductos MONEY SVICMySql (MySQL) VentasProductos **DECIMAL** Descuento **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

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

PK7 Clientes NO

Key Name Entity Name Logical Only Key Type Key Type Unique PrimaryKey PrimaryKey YES Keys IdCliente

Bound Attachments

Current Value Name

UI_Email

Key Name Entity Name Logical Only Key Type Key Type UI_Email Clientes NO

Alternate Key Alternate Key

Unique YES Keys Email

Bound Attachments

IX_ApellidosClientes

IX_ApellidosClientes

Key Name Entity Name Logical Only Key Type Key Type Clientes NO

Inversion Entry Inversion Entry

Unique NO Apellidos Keys

Bound Attachments

PK8

Key Name Entity Name Logical Only Key Type Key Type PK8 Compras NO

PrimaryKey PrimaryKey

Unique YES

IdCompra,IdEmpleado,IdProveedor Keys

Bound Attachments

UI_IdCompra

Key Name Entity Name Logical Only Key Type Key Type UI_IdCompra Compras NO

Alternate Key Alternate Key

Unique YES IdCompra Keys

Bound Attachments

IX_FechaCompra

IX_FechaCompra

Compras NO

Key Name Entity Name Logical Only Key Type Key Type Inversion Entry Inversion Entry

Unique NO

FechaCompra Keys

Bound Attachments

PK14

PK14

ComprasProductos

NO

Key Name Entity Name Logical Only Key Type Key Type PrimaryKey PrimaryKey

Unique YES

Id Compra, Id Producto, Id Empleado, Id Proveedor, Id RubroKeys

Bound Attachments

PK4

PK4

Empleados

NO.

Key Name Entity Name Logical Only Key Type Key Type PrimaryKey PrimaryKey YES

Unique

Keys IdEmpleado

Bound Attachments

UI_Usuario

Key Name Entity Name Logical Only Key Type Key Type UI_Usuario Empleados

NO.

Alternate Key Alternate Key

Unique YES Keys Usuario

Bound Attachments

IX_Apellidos

Key Name Entity Name Logical Only Key Type Key Type IX_Apellidos Empleados

NO.

Inversion Entry Inversion Entry

Unique NO Apellidos Keys

Bound Attachments

PK2

PK2 Personas NO

Key Name Entity Name Logical Only Key Type Key Type Unique PrimaryKey PrimaryKey YES Keys IdPersona

Bound Attachments

IX_Nombres

Key Name Entity Name Logical Only Key Type Key Type IX_Nombres Personas NO

Inversion Entry Inversion Entry

Unique NO Keys Nombres

Bound Attachments

PK11

Key Name Entity Name Logical Only Key Type Key Type PK11 Productos NO

PrimaryKey PrimaryKey

Unique YES

Keys IdProducto,IdRubro

Bound Attachments

UI_IdProducto

Key Name Entity Name Logical Only Key Type Key Type UI_IdProducto Productos

NO

Alternate Key Alternate Key

Unique YES Keys IdProducto

Bound Attachments

UI_NombreProducto

UI_NombreProducto

Productos

NO

Key Name Entity Name Logical Only Key Type Key Type Alternate Key Alternate Key

Unique YES

NombreProducto Keys

Bound Attachments

PK3

PK3

Proveedores

NO

Key Name Entity Name Logical Only Key Type Key Type PrimaryKey PrimaryKey YES

Unique

Keys IdProveedor

Bound Attachments

PK9

PK9 Roles NO

Key Name Entity Name Logical Only Key Type Key Type Unique PrimaryKey PrimaryKey YES Keys IdRol

Bound Attachments

UI_RolTipoRol

UI_RolTipoRol

Roles NO

Key Name Entity Name Logical Only Key Type Key Type Alternate Key Alternate Key

Unique YES

Rol, TipoRol Keys

Bound Attachments

PK16

PK16 Rubros NO

Key Name Entity Name Logical Only Key Type Key Type Unique PrimaryKey PrimaryKey YES Keys IdRubro

Bound Attachments

UI_NombreRubro

UI_NombreRubro

Rubros NO

Key Name Entity Name Logical Only Key Type Key Type Alternate Key Alternate Key

Unique YES

NombreRubro Keys

Bound Attachments

PK10

Key Name Entity Name Logical Only Key Type Key Type PK10 Ventas NO

PrimaryKey PrimaryKey

Unique YES

IdVenta,IdCliente,IdEmpleado Keys

Bound Attachments

UI_IdVenta

Key Name Entity Name Logical Only Key Type Key Type UI_IdVenta Ventas NO

Alternate Key Alternate Key

Unique YES Keys IdVenta

Bound Attachments

IX_FechaVenta

IX_FechaVenta

Key Name Entity Name Logical Only Key Type Key Type Ventas NO

Inversion Entry Inversion Entry

Unique NO

Keys FechaVenta

Bound Attachments

PK15

PK15

VentasProductos

NO

Key Name Entity Name Logical Only Key Type Key Type PrimaryKey PrimaryKey

Unique YES

IdVenta,IdProducto,IdCliente,IdEmpleado,IdRubro Keys

Bound Attachments

Relationship Summary Report

Parent Entity	Child Entity	Relationship	No of
		Туре	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** False

Generate

Relationship Logical NO

Only

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

Relationship: Personas to Empleados

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Personas to Clientes

Relationship Name Relationship

Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Proveedores to Compras

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Empleados to Compras

Relationship Name Relationship

Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Roles to Empleados

Relationship Name Relationship Business Name

Relationship Type Non-Identifying

Relationship Do Not False

Generate

Relationship Logical NO

Only

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

Relationship: Clientes to Ventas

Relationship Name Relationship

Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Empleados to Ventas

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Compras to Compras Productos

Relationship Name Relationship

Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

Parent Entity Compras

Child EntityComprasProductosCardinalityOne 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 KeyChild KeyIdCompraIdCompraIdEmpleadoIdEmpleadoIdProveedorIdProveedor

Trigger Templates

Trigger Event Trigger Action

Relationship: Productos to ComprasProductos

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

Parent Entity Productos

Child EntityComprasProductosCardinalityOne 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

Relationship: Ventas to Ventas Productos

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Parent Entity

Relationship Logical NO

Only

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 KeyChild KeyIdVentaIdVentaIdClienteIdClienteIdEmpleadoIdEmpleado

Trigger Templates

Trigger Event Trigger Action

Relationship: Productos to Ventas Productos

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Relationship: Rubros to Productos

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

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

Supertype Summary Report

Supertype Name Personas

TypeComplete,
Inclusive

Discriminator

Subtypes Proveedores, Empleados,

Clientes

Model Detail Reports

SVICMySqI

Model Name Database Platform SVICMySql MySQL 5.x

Model Notation Physical

PreSQL

PostSQL

Security Properties

Name Current Value

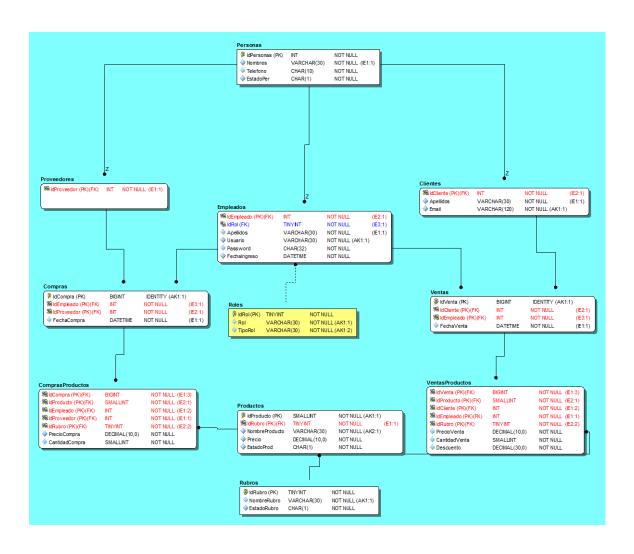
Bound Attachments

Submodel Summary Report

Name Main Model DatabasePlatform MySQL 5.x

Submodel Detail Reports

Main Model Image



Main Model

SubModel

Main Model

Name

MySQL 5.x

Database Platform 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	ldRol,	3
Rubros	Independent	IdRubro,	3
Ventas	Dependent	IdVenta,IdCliente,IdEmpleado,	4
VentasProductos	Dependent	IdVentaldProductoIdClienteIdEmplea doldRubro	8

Table Detail Reports

Clientes

Table Name

Clientes

Owner Name

Table TypeINNODBPhysical OnlyNOPrimary KeysIdCliente

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.

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 SVICMySql (MySQL) Clientes Clientes

Where Used - Submodel Usage

Model

Submodel Usage

Logical SVICMySql (MySQL) Main Model Main Model

User-Defined Mappings

Model	Nan	пе	Desc	cription			
Columns							
Column Nar IdCliente	ne [Domain	Dataty INT	pe	Null N	Definition Clave primaria la Tabla Pers (1/1). Clave primaria de la Tabla	
Apellidos			VARCI	HAR(30	N	Clientes(1/1). Apellidos del	
Email) VARCH 0)	HAR(12	N	cliente . correo electro del cliente. Ú	
Keys							
Key Name PK7 UI_Email IX_Apellidos Ref24	Clientes	Key Type PrimaryKey Alternate Key Inversion Entr Inversion Entr	y Apel	ente il lidos			
Storage							
Growth Metric Current Row Table Growth Growth Type	Count	0 Static N/A					
Growth Period Maximum Ro		N/A 0					
Defaults, Rule	es and Ch	neck Constrain	its				
Column		Туре	Name		R	estriction	
Oolalliii							
Foreign Keys	i						
Foreign Keys							
		:					
Foreign Keys		: Cardinality	Constraint Name	Verb Phrase		erse Foreigi ase Keys	
Foreign Keys Parent Relat Table	ionships:					_	Supertype
Foreign Keys Parent Relat Table Name	ionships: Type Identify ing	Cardinality One to Zero				rase Keys IdClien	Supertype

Name Ventas Identify One To ing Zero or More Phrase Phrase Keys Subtype 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

Table Name

Clientes

Column Name IdCliente
Attribute Name IdPersona
Logical Role IdCliente

Name

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

ModelNameBase EntityDatatypeLogicalIdClienteClientesINTEGERSVICMySql (MySQL)IdClienteClientesINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Apellidos

Column Name **Apellidos Table Name** Clientes Attribute Name **Apellidos Logical Role** Name **Role Name Physical Only** NO **Domain Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Apellidos** Clientes **VARCHAR** SVICMySql (MySQL) **Apellidos VARCHAR** Clientes **User-Defined Mappings** Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Email

Column Name **Table Name** Clientes **Email** Attribute Name Email **Logical Role** Name **Role Name Physical Only** NO **Domain Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Email** Clientes **VARCHAR** SVICMySql (MySQL) Clientes **VARCHAR** Email **User-Defined Mappings** Model Name **Base Entity Description Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic

Transformati

on Logic

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description

on Logic

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

Compras

Table Name

Compras

Owner Name

INNODB

Table Type Physical Only

NO

Primary Keys

 $\underline{\mathsf{IdCompra}}, \underline{\mathsf{IdEmpleado}}, \underline{\mathsf{IdProveedor}}$

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 SVICMySql (MySQL) Main Model Main Model

User-Defined Mappings

Model

Name

Description

Columns

Column Name

Domain

Datatype

Null Definition

BIGINT IdCompra ID Clave primaria de la Tabla Compras (1/3).INT IdEmpleado 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). INT N Clave primaria de **IdProveedor** la Tabla Personas (1/1). Clave primaria de la Tabla Proveedores (1/1). Clave primaria de la Tabla Compras(3/3).

Keys

FechaCompra

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

DATETIME

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

Growth Metrics

Current Row Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Defaults, Rules and Check Constraints

Column Type Name Restriction

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Proveedor	Identify	One To				IdProve	NO
es	ing	Zero or				edor	
		More					
Empleado	Identify	One To				IdEmple	NO
S	ing	Zero or				ado	
		More					

Child Relationships:

Table Name	Туре	Cardinality	Constraint Name	Inverse Phrase	Foreign Keys	ls Subtype
ComprasP roductos	Identify ing	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

Table Name

Compras

Column Name IdCompra IdCompra

Attribute Name

Logical Role Name

Role Name

Physical Only NO

Domain

Primary Key YES

Foreign Key NO **Parent Table**

Security Properties

Name **Current Value**

Bound Attachments

Current Value Name

Data Movement Rules

Type Rule Text/Value Name

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 Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdEmpleado

Column Name IdEmpleado **Attribute Name**

IdPersona IdEmpleado

Logical Role Name

Role Name

IdEmpleado

Physical Only

NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Table Name

Compras

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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
N I I I - I - I - I -	NO		

Nullable NO Unsigned NO

Growth Metrics

Average Width --- Percent Null 0

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

IdProveedor

Column Name **Attribute Name**

IdProveedor IdPersona

IdProveedor

Logical Role Name **Role Name**

IdProveedor

Physical Only

NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Table Name

Proveedores

Compras

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used

Model Logical SVICMySql (MySQL)

Name IdProveedor IdProveedor **Base Entity** Compras Compras

Datatype INTEGER INT

User-Defined Mappings

Model

Name

Base Entity

Datatype

Description

Direct Source Mappings

Columns

Transformati on Logic

Transformation Description

Secondary Source Mappings

Columns

Transformati on Logic

Transformation Description

Direct Target Mappings

Columns

Transformati on Logic

Transformation Description

Columns Transformati Transformation Description on Logic

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

FechaCompra

Column NameFechaCompraTable NameComprasAttribute NameFechaCompra

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

ModelNameBase EntityDatatypeLogicalFechaCompraComprasDATETIMESVICMySql (MySQL)FechaCompraComprasDATETIME

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

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

Logical ComprasProductos SVICMySql (MySQL) ComprasProductos

Where Used - Submodel Usage

ModelSubmodel UsageLogicalMain Model

SVICMySql (MySQL) Main Model

User-Defined Mappings

Model Name Description

Columns

Column Name Domain Datatype Null Definition

Denormalization Mappings

IdCompra	BIGINT	N	Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos
IdProducto	SMALLINT	N	la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos
IdEmpleado	INT	N	(2/5). 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
IdProveedor	INT	N	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
IdRubro	TINYINT	N	(4/5). 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	
CantidadCompra	SMALLINT	N	cantidad de un producto

Keys

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

Storage

Growth Metrics

Current Row Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Defaults, Rules and Check Constraints

Column Type Name	Restriction
------------------	-------------

Foreign Keys

Name

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Compras	Identify ing	One To Zero or More				IdCompr a, IdEmple ado, IdProve edor	NO
Productos	Identify ing	One To Zero or More				IdProdu cto, IdRubro	NO
Child Relati	onships:						
Table	Type	Cardinality	Constraint	Verb	Inverse	Foreign	ls

Name

Phrase

Phrase

Keys

Subtype

```
CREATE TABLE ComprasProductos(
   IdCompra BIGINT
                                     NOT NULL,
                    SMALLINT
                                      NOT NULL,
   IdProducto
                    INT
   IdEmpleado
                                      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

Table Name

Parent Table

ComprasProductos

Compras

Column Name IdCompra

Attribute Name IdCompra

Logical Role Name

Role Name Physical Only NO

Domain

Primary Key YES

Foreign Key YES

Security Properties

Name **Current Value**

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity Datatype Description**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

Definition

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

Growth Metrics

Unsigned

Average Width --- Percent Null 0

NO

Domain Restrictions

Check Constraint Check Constraint Name

Bound Rule Declared Default

Bound Default

IdProducto

Column NameIdProductoTable NameComprasProductosAttribute NameIdProducto

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

ModelNameBase EntityDatatypeLogicalIdProductoComprasProductosSMALLINTSVICMySql (MySQL)IdProductoComprasProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

IdEmpleado

Column Name IdEmpleado **Table Name**

Attribute Name IdPersona IdEmpleado **Logical Role**

Name

Role Name

IdEmpleado **Physical Only** NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Compras

ComprasProductos

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Table Name

Column Name **IdProveedor Attribute Name** IdPersona

Logical Role

Name **Role Name**

Physical Only

Domain

Primary Key YES Foreign Key YES

IdProveedor NO

> **Parent Table** Compras

ComprasProductos

Security Properties

Current Value Name

IdProveedor

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdRubro

Column Name IdRubro
Attribute Name IdRubro

Logical Role Name Role Name

Physical Only NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Table Name

ComprasProductos

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdRubroComprasProductosTINYINTSVICMySql (MySQL)IdRubroComprasProductosTINYINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

Column Properties

Data Type	TINYINT	Width	Scale
Nullabla	NO		

Nullable NO Unsigned NO

Growth Metrics

Average Width --- Percent Null 0

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

PrecioCompra

Column NamePrecioCompraTable NameComprasProductosAttribute NamePrecioCompra

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

ModelNameBase EntityDatatypeLogicalPrecioCompraComprasProductosMONEYSVICMySql (MySQL)PrecioCompraComprasProductosDECIMAL

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

CantidadCompra

Column NameCantidadCompraTable NameComprasProductosAttribute NameCantidadCompra

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

ModelNameBase EntityDatatypeLogicalCantidadCompraComprasProductosSMALLINTSVICMySql (MySQL)CantidadCompraComprasProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

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 Empleados **Denormalization Mappings**

Logical

SVICMySql (MySQL)

Empleados

Where Used - Submodel Usage

Model

Submodel Usage

Logical SVICMySql (MySQL) Main Model 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	Àpellidos del Empleado .
Usuario	VARCHAR(30)	N	nombre de usuario del empleado. Único.
Password	CHAR(32)	N	contraseña del usuario del empleado codificada en MD5.
Fechalngreso	DATETIME	N	Fecha de ingreso del empleado.

Keys

|--|

Storage

Growth Metrics

Current Row Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Defaults, Rules and Check Constraints

Column	Туре	Name	Restriction
Foreign Keys			

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Inverse Phrase	Foreign Keys	ls Supertype
Personas	Identify ing	One to Zero or One			IdEmple ado	NO

Roles	Non-Id	One To	IdRol	NO
	entifyin	Zero or		

Child Relationships:

g

More

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Compras	Identify	One To					NO
	ing	Zero or					
		More					
Ventas	Identify	One To					NO
	ing	Zero or					
		More					

DDL Code

```
CREATE TABLE Empleados (
   IdEmpleado
                                  NOT NULL,
   IdRol
                                  NOT NULL,
                  TINYINT
                               NOT NULL,
                 VARCHAR(30)
   Apellidos
   Usuario
                   VARCHAR (30)
   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 Attribute Name Logical Role IdEmpleado IdPersona IdEmpleado **Table Name**

Empleados

Name

Role Name Physical Only IdEmpleado

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 Logical SVICMySql (MySQL) Name IdEmpleado IdEmpleado Base Entity Empleados Empleados

Datatype INTEGER INT

User-Defined Mappings

Model Name

Base Entity

Datatype

Description

Direct Source Mappings

Columns

Transformati on Logic

Transformation Description

Secondary Source Mappings

Columns

Transformati on Logic

Transformation Description

Direct Target Mappings

Columns

Transformati on Logic

Transformation Description

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

Column Properties

Data Type	INT	Width	Scale
Nullable	NO		

Growth Metrics

Unsigned

Average Width --- Percent Null 0

NO

Domain Restrictions

Check Constraint Check Constraint Name Bound Rule Declared Default

Bound Default

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 Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical IdRol Empleados TINYINT SVICMySql (MySQL) IdRol Empleados **TINYINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

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

Apellidos

Column Name Apellidos Table Name Empleados Attribute Name **Apellidos Logical Role** Name **Role Name Physical Only** NO **Domain Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical **Apellidos** Empleados **VARCHAR** SVICMySql (MySQL) **Apellidos Empleados VARCHAR User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic

Transformati

on Logic

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description

on Logic

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

Usuario

Column Name Usuario **Table Name Empleados Attribute Name** Usuario **Logical Role** Name **Role Name Physical Only** NO **Domain Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Usuario Empleados **VARCHAR** SVICMySql (MySQL) Empleados **VARCHAR** Usuario **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

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

Password

Column Name Password **Table Name Empleados Attribute Name** Password **Logical Role** Name **Role Name Physical Only** NO Domain **Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type**

Where U	Jsed
---------	------

ModelNameBase EntityDatatypeLogicalPasswordEmpleadosCHARSVICMySql (MySQL)PasswordEmpleadosCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Fechalngreso

Column NameFechalngresoTable NameEmpleadosAttribute NameFechalngresoLogical Role

Name
Role Name
Physical Onl

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

ModelNameBase EntityDatatypeLogicalFechalngresoEmpleadosDATETIMESVICMySql (MySQL)FechalngresoEmpleadosDATETIME

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Personas

Table Name Personas

Owner Name

Table Type INNODB Physical Only NO

Primary Keys IdPersonas

DefinitionTabla 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

ModelSubmodel UsageLogicalMain ModelSVICMySql (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	Ν	Nombres de la
)		persona.
Telefono	CHAR(10)	Ν	Es el Teléfono de
			la Persona.
EstadoPer	CHAR(1)	Ν	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

Type

ing

or One

Column	Type	Name	Restriction
EstadoPer	Default		'A'

Cardinality Constraint

Foreign Keys

Table

Parent Relationships:

Name			Name	Phrase	Phrase	Keys	Supertype		
Child Relationships:									
Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype		
Proveedor	Identify	One to Zero				-	NO		
es Empleado	ing Identify	or One One to Zero					NO		
s	ing	or One							
Clientes	Identify	One to Zero					NO		

Verb

Inverse

Foreign Is

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

Table Name

Personas

Column Name IdPersonas IdPersona

Attribute Name

Logical Role Name

Role Name

Physical Only

Domain

Primary Key YES

Parent Table Foreign Key NO

Security Properties

Name **Current Value**

NO

Bound Attachments

Current Value Name

Data Movement Rules

Type Rule Text/Value Name

Where Used

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

User-Defined Mappings

Model Name **Base Entity Datatype Description**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati **Transformation Description**

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Nombres

Column Name Nombres Table Name
Attribute Name Nombres
Logical Role

Logical Role Name Role Name

Physical Only NO

Domain

Primary Key NO Foreign Key NO

Parent Table

Personas

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalNombresPersonasVARCHARSVICMySql (MySQL)NombresPersonasVARCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Telefono

Column Name Telefono Table Name Personas Attribute Name Telefono Logical Role

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

ModelNameBase EntityDatatypeLogicalTelefonoPersonasCHARSVICMySql (MySQL)TelefonoPersonasCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

EstadoPer

Column NameEstadoPerTable NamePersonasAttribute NameEstadoPer

Attribute Name 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

ModelNameBase EntityDatatypeLogicalEstadoPerPersonasCHARSVICMySql (MySQL)EstadoPerPersonasCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

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

ModelSubmodel UsageLogicalMain ModelSVICMySql (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,

N precio fijado para la venta del

0)

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

Table Growth

Growth Type

Growth Period

Maximum Rows

O

Static

N/A

N/A

0

Defaults, Rules and Check Constraints

Column Type Name Restriction

Foreign Keys

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	 Inverse Phrase	Foreign Keys	ls Supertype
Rubros	Identify	One To			IdRubro	NO
	ing	Zero or				
		More				

Child Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
ComprasP	Identify	One To					NO
roductos	ing	Zero or More					
VentasPro	Identify	One To					NO
ductos	ing	Zero or					
		More					

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

Attribute Name

IdProducto

Table Name Productos

Logical Role Name

Role Name

Primary Key

Physical Only NO

Domain

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

ModelNameBase EntityDatatypeLogicalIdProductoProductosSMALLINTSVICMySql (MySQL)IdProductoProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdRubro

Table Name

Productos

Rubros

Column Name IdRubro Attribute Name IdRubro Logical Role

Name Role Name

Physical Only

Domain

Primary Key YES Foreign Key YES

oreign Key YES Parent Table

Security Properties

Name Current Value

NO

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdRubroProductosTINYINTSVICMySql (MySQL)IdRubroProductosTINYINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

NombreProducto

Productos

Column Name NombreProducto Table Name
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

ModelNameBase EntityDatatypeLogicalNombreProductoProductosVARCHARSVICMySql (MySQL)NombreProductoProductosVARCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Precio

Column Name Precio **Table Name Productos** Attribute Name Precio **Logical Role** Name **Role Name Physical Only** NO Domain **Primary Key** NO Foreign Key **Parent Table** NO **Security Properties** Name **Current Value Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical Precio **Productos** MONEY SVICMySql (MySQL) **Productos DECIMAL** Precio **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Transformati Columns Transformation Description** on Logic **Direct Target Mappings**

Transformati

on Logic

Columns

Transformation Description

Columns Transformati Transformation Description

on Logic

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

EstadoProd

Table Name

Parent Table

Productos

Column Name EstadoProd
Attribute Name EstadoProd

Logical Role

Name Role Name

Physical Only NO

Domain

Primary Key NO

Foreign Key NO

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalEstadoProdProductosCHARSVICMySql (MySQL)EstadoProdProductosCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

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

ModelSubmodel UsageLogicalMain ModelSVICMySql (MySQL)Main Model

User-Defined Mappings

Model Name Description

Columns

Column Name Domain Datatype Null Definition

IdProveedor	INT	Ν	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 Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Defaults, Rules and Check Constraints

Column	Туре	Name	Restriction
--------	------	------	-------------

Foreign Keys

Parent Relationships:

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Personas	Identify ing	One to Zero or One				IdProve edor	NO

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Inverse Phrase	Foreign Keys	ls Subtype
Compras	Identify	One To			_	NO
	ing	Zero or				
		More				

DDL Code

IdProveedor

Table Name

Proveedores

Column Name IdProveedor **Attribute Name** IdPersona

Attribute Name IdPersona IdProveedor

Name

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

ModelNameBase EntityDatatypeLogicalIdProveedorProveedoresINTEGERSVICMySql (MySQL)IdProveedorProveedoresINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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).

Column Properties

Data Type	INT	Width	Scale
Nullable	NO		

Growth Metrics

Unsigned

Average Width --- Percent Null 0

NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Roles

Table Name R

Owner Name

Roles

Table TypeINNODBPhysical OnlyNOPrimary KeysIdRol

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

ModelSubmodel UsageLogicalMain ModelSVICMySql (MySQL)Main Model

User-Defined Mappings

Model Name Description

Columns

Column Name Domain Datatype Null Definition

IdRol			TINYIN	Т		Clave prim la Tabla Ro		
Rol TipoRol			VARCH) VARCH)	•	N N	(1/1). Nombre de un usuario. Nombre de Único.		
Keys								
Key Name PK9 UI_RoITipol	Rol	Key Type PrimaryKey Alternate Key	Keys IdRol Rol, ⁻					
Storage								
Growth Metri	ics							
Current Row Table Growt Growth Type Growth Perion	h e od	0 Static N/A N/A 0						
		-	4-					
		neck Constrain	nts Name		Re	estriction		
Defaults, Rul	es and Ch	neck Constrain			Ro	estriction		
Defaults, Rul	es and Ch	neck Constrain			Re	estriction		
Column Foreign Keys	es and Ch	neck Constrain		Verb Phrase	Re Inve	rse Fore	eign Is	s Supertype
Column Foreign Keys Parent Rela	tionships	neck Constrain Type	Name Constraint		Inve	rse Fore	_	
Column Foreign Keys Parent Rela Table Name	tionships	neck Constrain Type	Name Constraint		Inve	rse Fore	s S eign Is	Supertype

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

Table Name

Roles

Column Name IdRol **Attribute Name** IdRol

Logical Role Name

Role Name Physical Only

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

ModelNameBase EntityDatatypeLogicalIdRolRolesTINYINTSVICMySql (MySQL)IdRolRolesTINYINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Rol

Column Name Attribute Name Logical Role Name Role Name	Rol Rol		Т	able Name	Roles
Physical Only Domain	NO				
Primary Key	NO		ь	lanant Tabla	
Foreign Key	NO		Р	arent Table	
Security Properti	es				
Name			Current Value		
Bound Attachme	nts				
Name			Current Value		
Data Movement F	Rules				
Name			Туре	Rule Text/Valu	ue
Where Used					
Model Logical SVICMySql (Mys	SQL)	Nam Rol Rol	e	Base Entity Roles Roles	Datatype VARCHAR VARCHAR
Logical	ŕ	Rol Rol	ne	Roles	VARCHAR
Logical SVICMySql (MyS	pping	Rol Rol	Base Entity	Roles	VARCHAR
Logical SVICMySql (MyS	pping ne	Rol Rol	-	Roles Roles	VARCHAR VARCHAR
Logical SVICMySql (MyS User-Defined Ma Model Nan	pping ne	Rol Rol	-	Roles Roles Datatype	VARCHAR VARCHAR
Logical SVICMySql (MyS User-Defined Ma Model Nan Direct Source Ma	pping ne apping	Rol Rol s	Base Entity Transformati on Logic	Roles Roles Datatype	VARCHAR VARCHAR Description
Logical SVICMySql (MyS User-Defined Ma Model Nan Direct Source Ma Columns	pping ne apping	Rol Rol s	Base Entity Transformati on Logic	Roles Roles Datatype Transformation	VARCHAR VARCHAR Description
Logical SVICMySql (MyS User-Defined Ma Model Nam Direct Source Ma Columns Secondary Source	pping ne apping	Rol Rol s	Base Entity Transformati on Logic Transformati	Roles Roles Datatype Transformation	VARCHAR VARCHAR Description on Description

Columns Transformati Transformation Description

on Logic

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

TipoRol

Roles

Column Name TipoRol Table Name
Attribute Name TipoRol
Logical Role

Name
Role Name
Physical On

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

ModelNameBase EntityDatatypeLogicalTipoRolRolesVARCHARSVICMySql (MySQL)TipoRolRolesVARCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Rubros

Table Name

Owner Name

Rubros

INNODB Table Type **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

Current Value Name

Bound Attachments

Name **Current Value**

Data Movement Rules

Rule Text/Value Name **Type**

Where Used - Model Usage

Model **Logical Entity Name Denormalization Mappings**

Logical Rubros SVICMySql (MySQL) Rubros

Where Used - Submodel Usage

Model **Submodel Usage** Main Model Logical 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 Table Growth Static Growth Type Growth Period N/A N/A **Maximum Rows** 0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction
EstadoRubro	Default		'A'

More

Foreign Keys

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Child Relati	onships:						
Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Productos	Identify ing	One To Zero or				·	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

Table Name

Rubros

Column Name IdRubro

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

Current Value Name

Data Movement Rules

Type Rule Text/Value Name

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 Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati **Transformation Description**

Columns Transformati Transformation Description

on Logic

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

NombreRubro

Column NameNombreRubroTable NameRubrosAttribute NameNombreRubro

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

ModelNameBase EntityDatatypeLogicalNombreRubroRubrosVARCHARSVICMySql (MySQL)NombreRubroRubrosVARCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description on Logic

0.1.20

Note

Definition

Nombre del rubro .Único.

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

EstadoRubro

Column NameEstadoRubroTable NameRubrosAttribute NameEstadoRubro

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

ModelNameBase EntityDatatypeLogicalEstadoRubroRubrosCHARSVICMySql (MySQL)EstadoRubroRubrosCHAR

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

Ventas

Table Name Ventas

Owner Name

INNODB Table Type **Physical Only**

NO IdVenta,IdCliente,IdEmpleado

Primary Keys 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.

PreSQL

PostSQL

Security Properties

Current Value Name

Bound Attachments

Name **Current Value**

Data Movement Rules

Rule Text/Value Name **Type**

Where Used - Model Usage

Model **Logical Entity Name Denormalization Mappings**

Logical Ventas SVICMySql (MySQL) Ventas

Where Used - Submodel Usage

Model **Submodel Usage** Main Model Logical 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).

INT

N Clave primaria de la Tabla Personas

(1/1). Clave primaria de la

Tabla Clientes(1/1).

INT N Clave primaria de IdEmpleado

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

(1/1).

N fecha en la cual un FechaVenta **DATETIME**

empleado vende productos a un

clientes.

Keys

IdCliente

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 Table Growth Static **Growth Type** N/A **Growth Period** N/A **Maximum Rows**

Defaults, Rules and Check Constraints

Restriction Column **Type** Name

Foreign Keys

Parent Relationships:

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

s ing Zero or ado More

Child Relationships:

Table Name	Type	Cardinality	Constraint Name	Inverse Phrase	Foreign Keys	ls Subtype
VentasPro	Identify	One To			-	NO
ductos	ing	Zero or				
	_	More				

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

Table Name

Ventas

Column Name IdVenta **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

ModelNameBase EntityDatatypeLogicalIdVentaVentasBIGINTSVICMySql (MySQL)IdVentaVentasBIGINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdCliente

Column Name Attribute Name IdCliente IdPersona **Table Name**

Ventas

Logical Role Name IdCliente

IdCliente

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

User-Defined Mappings

Model

Name

Base Entity

Datatype

Description

Direct Source Mappings

Columns

Transformati on Logic

Transformation Description

Secondary Source Mappings

Columns

Transformati on Logic

Transformation Description

Direct Target Mappings

Columns

Transformati on Logic

Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdEmpleado

Column NameIdEmpleadoTable NameVentasAttribute NameIdPersona

Logical Role

IdEmpleado

Name

Role Name

IdEmpleado

Physical Only Domain

NO

Primary Key YES Foreign Key YES

S Parent Table

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdEmpleadoVentasINTEGERSVICMySql (MySQL)IdEmpleadoVentasINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

FechaVenta

Column NameFechaVentaTable NameVentasAttribute NameFechaVenta

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

ModelNameBase EntityDatatypeLogicalFechaVentaVentasDATETIMESVICMySql (MySQL)FechaVentaVentasDATETIME

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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

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

Logical VentasProductos SVICMySql (MySQL) VentasProductos

Where Used - Submodel Usage

ModelSubmodel UsageLogicalMain Model

SVICMySql (MySQL) Main Model

User-Defined Mappings

Model Name Description

Columns

Column Name Domain Datatype Null Definition

Denormalization Mappings

IdVenta	BIGINT	N	Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos
IdProducto	SMALLINT	N	(1/5). 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 PK15	Key Type PrimaryKey	Keys IdVenta, IdProducto, IdCliente, IdEmpleado, IdRubro	
Ref1025 Ref1126	Inversion Entry Inversion Entry	IdEmpleado, IdCliente, IdVenta IdProducto, IdRubro	
Storage			

Growth Metrics

Current Row Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Defaults, Rules and Check Constraints

Column	Type	Name	Restriction

Foreign Keys

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Ventas	Identify ing	One To Zero or More				IdVenta, IdClient e, IdEmple ado	NO
Productos	Identify ing	One To Zero or More				IdProdu cto, IdRubro	NO

Child Relationships:

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

```
CREATE TABLE VentasProductos (
   IdVenta BIGINT
                                   NOT NULL,
                  SMALLINT
                                    NOT NULL,
   IdProducto
                  INT
   IdCliente
                                    NOT NULL,
                  INT
                                   NOT NULL,
   IdEmpleado
   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

Table Name

Parent Table

VentasProductos

Ventas

Column Name IdVenta **Attribute Name** IdVenta

Logical Role

Name Role Name

Physical Only

Physical O Domain

Primary Key YES

Foreign Key YES

Security Properties

Name Current Value

NO

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdVentaVentasProductosBIGINTSVICMySql (MySQL)IdVentaVentasProductosBIGINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

Column Properties

Data Type	BIGINT	Width	Scale
Nullable	NO		

Growth Metrics

Unsigned

Average Width --- Percent Null 0

NO

Domain Restrictions

Check Constraint Check Constraint

Name

Bound Rule

Declared Default

Bound Default

IdProducto

Column NameIdProductoTable NameVentasProductosAttribute NameIdProducto

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

ModelNameBase EntityDatatypeLogicalIdProductoVentasProductosSMALLINTSVICMySql (MySQL)IdProductoVentasProductosSMALLINT

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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 Ventas Productos (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

IdCliente

Column Name **Attribute Name**

IdCliente IdPersona **Table Name** VentasProductos

Logical Role

IdCliente

Name **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 Logical SVICMySql (MySQL)

Name **IdCliente IdCliente** **Base Entity** VentasProductos VentasProductos

Datatype INTEGER INT

User-Defined Mappings

Model

Name

Base Entity

Datatype

Description

Direct Source Mappings

Columns

Transformati on Logic

Transformation Description

Secondary Source Mappings

Columns

Transformati on Logic

Transformation Description

Direct Target Mappings

Columns

Transformati on Logic

Transformation Description

Columns Transformati Transformation Description

on Logic

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

IdEmpleado

Column Name IdEmpleado **Attribute Name** IdPersona

Logical Role

IdEmpleado

Table Name

VentasProductos

Name

Role Name

IdEmpleado

Physical Only NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Ventas

Security Properties

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Nullable NO Unsigned NO

Growth Metrics

Average Width --- Percent Null 0

Domain Restrictions

Check Constraint Check Constraint Name Bound Rule Declared Default

Bound Default

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

Current Value Name

Bound Attachments

Current Value Name

Data Movement Rules

Rule Text/Value Name **Type**

Where Used

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

User-Defined Mappings

Model Name **Base Entity** Description **Datatype**

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Transformati Columns Transformation Description

on Logic

Direct Target Mappings

Transformati Columns Transformation Description

on Logic

Columns Transformati Transformation Description on Logic

Definition

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

Note

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

PrecioVenta

Column Name PrecioVenta **Table Name** VentasProductos Attribute Name PrecioVenta **Logical Role** Name **Role Name Physical Only** NO Domain **Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical PrecioVenta VentasProductos MONEY SVICMySql (MySQL) PrecioVenta VentasProductos **DECIMAL User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings**

Transformati

Transformati

on Logic

on Logic

Transformation Description

Transformation Description

Columns

Columns

Direct Target Mappings

Columns Transformati **Transformation Description**

on Logic

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

DECIMAL(10, 0) Width 0 **Data Type** 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

CantidadVenta

Column Name CantidadVenta **Table Name** VentasProductos Attribute Name CantidadVenta **Logical Role** Name **Role Name Physical Only** NO Domain **Primary Key** NO Foreign Key **Parent Table** NO **Security Properties Current Value** Name **Bound Attachments Current Value** Name **Data Movement Rules Rule Text/Value** Name **Type Where Used** Model Name **Base Entity Datatype** Logical CantidadVenta VentasProductos **SMALLINT** VentasProductos SVICMySql (MySQL) CantidadVenta **SMALLINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic **Secondary Source Mappings Columns Transformati Transformation Description** on Logic

Transformati

on Logic

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description

on Logic

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

Descuento

Table Name

VentasProductos

Column Name Descuento
Attribute Name Descuento

Logical Role Name

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

ModelNameBase EntityDatatypeLogicalDescuentoVentasProductosMONEYSVICMySql (MySQL)DescuentoVentasProductosDECIMAL

User-Defined Mappings

Model Name Base Entity Datatype Description

Direct Source Mappings

Columns Transformati Transformation Description

on Logic

Secondary Source Mappings

Columns Transformati Transformation Description

on Logic

Direct Target Mappings

Columns Transformati Transformation Description

on Logic

Columns Transformati Transformation Description

on Logic

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

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 NamePK7Table NameClientesPhysical OnlyNOFulltextNO

Index Type PrimaryKey
Unique YES
Index Keys IdCliente

Bound Attachments

Name	Current Value	
Index Keys		_
Index Key IdCliente	Sort Order	
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 Apellidos	Sort Order	
DDL Code		

CREATE INDEX IX_ApellidosClientes ON Clientes(Apellidos)
;

Ref24

Index NameRef24Table NameClientesPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNOIndex KeysIdCliente

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

YES

Unique Index Keys Id Compra, Id Empleado, Id Proveedor

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdCompra IdEmpleado IdProveedor	Sort Order	
DDL Code		

UI_IdCompra

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

Bound Attachments

Name	Current Value	
Index Keys	_	_
Index Key IdCompra	Sort Order	
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 NameRef37Table NameComprasPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNO

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 NameRef48Table NameComprasPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNO

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 IdCompra IdProducto IdEmpleado IdProveedor IdRubro	Sort Order	
DDL Code		

Ref823

Index Name Ref823

Table Name ComprasProductos

Physical Only NO Fulltext NO Index Type Unique NO

Index Keys IdProveedor,IdEmpleado,IdCompra

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdProveedor IdEmpleado	Sort Order	

DDL Code

IdCompra

CREATE INDEX Ref823 ON ComprasProductos(IdProveedor, IdEmpleado,
IdCompra)
.

Ref1124

Index Name Ref1124

 Table Name
 ComprasProductos

Physical Only NO Fulltext NO Index Type Unique NO

Index Keys IdProducto,IdRubro

Bound Attachments

Name	Current Value	
Index Keys		_
Index Key IdProducto IdRubro	Sort Order	
DDL Code		

CREATE INDEX Ref1124 ON ComprasProductos(IdProducto, IdRubro)
;

PK4

Index Name PK4

Table Name Empleados

Physical Only Fulltext NO. NO

Index Type PrimaryKey

YES

Unique Index Keys IdEmpleado

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdEmpleado	Sort Order	
DDL Code		

UI_Usuario

Index Name UI_Usuario Table Name Ungusuario 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 NameIX_ApellidosTable NameEmpleados

Physical Only
Fulltext
NO
Index Type
Unique
NO
Index Keys
NO
Apellidos

Bound Attachments

Name Current Value

Index Keys

Index Key Sort Order Apellidos

DDL Code

CREATE INDEX IX_Apellidos ON Empleados(Apellidos)
:

Index Name Ref22 **Table Name** Empleados

Physical Only NO. Fulltext NO Index Type Index Unique Index Keys NO

IdEmpleado

Bound Attachments

Name **Current Value**

Index Keys

Sort Order Index Key

IdEmpleado

DDL Code

CREATE INDEX Ref22 ON Empleados (IdEmpleado)

Index NameRef99Table NameEmpleados

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

PrimaryKey YES

IdPersonas

Name	Current Value	
Index Keys		
Index Key IdPersonas	Sort Order	
DDI Code		

IX_Nombres

Index NameIX_NombresTable NamePersonasPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNOIndex KeysNombres

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
Fulltext
Index Type
Unique
Index Keys NO NO

PrimaryKey YES

IdProducto,IdRubro

Name	Current Value	
Index Keys		
Index Key IdProducto IdRubro	Sort Order	
DDL Code		

UI_IdProducto

Index Name UI_IdProducto
Table Name Productos
Physical Only NO

Fulltext NO Index Type Unique YES

Index Keys IdProducto

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdProducto	Sort Order	
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);

Index NameRef1627Table NameProductosPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNOIndex KeysIdRubro

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 Fulltext NO NO

Index Type PrimaryKey

YES

Unique Index Keys IdProveedor

Name	Current Value	
Index Keys		
Index Key IdProveedor	Sort Order	
DDL Code		

Index Name Ref21

Table Name Proveedores

Physical Only NO Fulltext NO Index Type 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 Table Name Physical Only Fulltext Index Type Unique Index Keys PK9 Roles NO NO

PrimaryKey YES

IdRol

Name	Current Value	
Index Keys		_
Index Key IdRol	Sort Order	
DDI Code		

UI_RolTipoRol

Index Name UI_RolTipoRol

Table NameRolesPhysical OnlyNOFulltextNOIndex TypeIndexUniqueYES

Index Keys Rol, TipoRol

Name	Current Value	
Index Keys		
Index Key Rol TipoRol	Sort Order	
DDL Code		

```
CREATE UNIQUE INDEX UI_RolTipoRol ON Roles(Rol, TipoRol)
;
```

PK16

Index Name Table Name Physical Only Fulltext Index Type Unique Index Keys PK16 Rubros NO NO

PrimaryKey YES

IdRubro

Name	Current Value	
Index Keys		
Index Key IdRubro	Sort Order	
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

YES

Unique Index Keys IdVenta,IdCliente,IdEmpleado

Name	Current Value	
Index Keys		
Index Key IdVenta IdCliente IdEmpleado	Sort Order	
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) .

Index NameRef710Table NameVentasPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNOIndex KeysIdCliente

Bound Attachments

Name Current Value

Index Keys

Index Key Sort Order IdCliente

DDL Code

CREATE INDEX Ref710 ON Ventas(IdCliente) .

Index NameRef411Table NameVentasPhysical OnlyNOFulltextNOIndex TypeIndexUniqueNO

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

Name	Current Value	
Index Keys		
Index Key IdVenta IdProducto IdCliente IdEmpleado IdRubro	Sort Order	
DDL Code		

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
IdEmpleado

IdCliente IdVenta

DDL Code

CREATE INDEX Ref1025 ON VentasProductos(IdEmpleado, IdCliente, IdVenta)

Sort Order

Index Name Ref1126

 Table Name
 VentasProductos

Physical Only NO Fulltext NO Index Type Unique NO

Index Keys IdProducto,IdRubro

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdProducto IdRubro	Sort Order	
DDL Code		

CREATE INDEX Ref1126 ON VentasProductos(IdProducto, IdRubro)
;

Foreign Key Summary Report

Parent Table	Child Table	Туре	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

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

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

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 IdProveedor

Child Key IdProveedor

Trigger Templates

Trigger Event Trigger Action

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

Foreign Key: Roles to Empleados

Name Name

Type Non-Identifying

Do Not GenerateFalsePhysical OnlyNOParent TableRolesChild TableEmpleados

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 IdRol Child Key IdRol

Trigger Templates

Trigger Event Trigger Action

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

Foreign Key: Empleados to Ventas

Name Name

Type Identifying
Do Not Generate False
Physical Only NO
Percent Toble

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

Foreign Key: Compras to Compras Productos

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 KeyChild KeyIdCompraIdCompraIdEmpleadoIdEmpleadoIdProveedorIdProveedor

Trigger Templates

Trigger Event Trigger Action

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 KeyChild KeyIdProductoIdProductoIdRubroIdRubro

Trigger Templates

Trigger Event Trigger Action

Foreign Key: Ventas to VentasProductos

Name Name

Type Identifying
Do Not Generate False
Physical Only NO
Parent Table Ventas

Child Table Ventas 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 KeyChild KeyIdVentaIdVentaIdClienteIdClienteIdEmpleadoIdEmpleado

Trigger Templates

Trigger Event Trigger Action

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 KeyChild KeyIdProductoIdProductoIdRubroIdRubro

Trigger Templates

Trigger Event Trigger Action

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