Diagram Report

SistemaInsumos1.1.dm1
Version 1.0

CRDevelopment Facundo Last Modified 17/03/2020 Copyright 2020 CRDevelopment

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Nombres	250
PRODUCTOS	252
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Diagram Summary Report

NameAuthorDescriptionSistemalnsumos1.1.dm1Facundo

Diagram Detail Reports

Sistemalnsumos1.1.dm1

Diagram Name Description SistemaInsumos1.1.dm1

Author Facundo

Company CRDevelopment

Version

Copyright CRDevelopment

Copyright Year

Bound Attachments

Name	Current Value			
Data Movement Rules				
Name	Туре	Rule Text/Value		
Data Sources				
Name	Туре	Description		

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

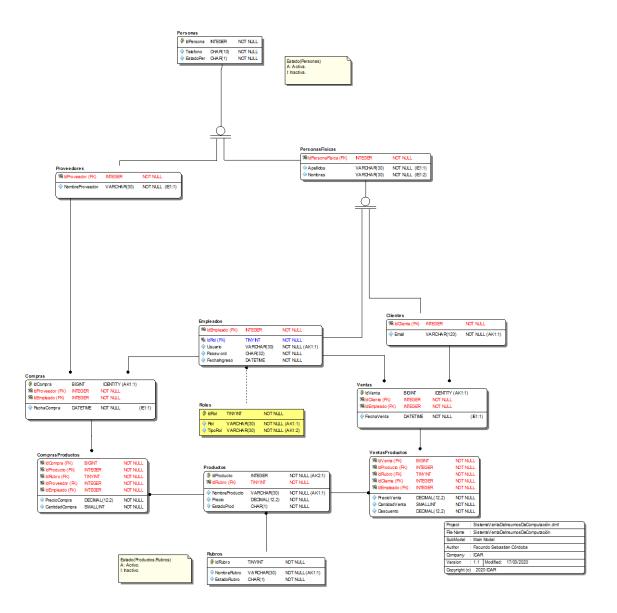
Submodel Summary Report

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	2
Compras	Dependent	IdCompra,IdProveedor,IdEmpleado	4
ComprasProductos	Dependent	IdCompra,IdProducto,IdRubro,IdProvedor,IdEmpleado	7
Empleados	Dependent	IdEmpleado	5
Personas	Independent	IdPersona	3
PersonasFisicas	Dependent	IdPersonaFisica	3
Productos	Dependent	IdProducto,IdRubro	5
Proveedores	Dependent	IdProveedor	2
Roles	Independent	IdRol	3
Rubros	Independent	IdRubro	3
Ventas	Dependent	IdVenta,IdCliente,IdEmpleado	4
VentasProductos	Dependent	IdVenta,IdProducto,IdRubro,IdCliente, IdEmpleado	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

17		
n	e١	٧S

Key Name	Key Type	Keys
PK7	PrimaryKey	IdCliente
UI_Email	Alternate Key	Email

Attributes

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

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
PersonasF isicas	Identify ing	One to Zero or One				IdClient e	YES

Child Relationships:

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

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	PersonasFisicas

Security Properties						
Name	Current Value	,				
Bound Attachments						
Name	Current Value					
Data Movement Rules						
Name	Туре	Rule Text/Valu	e			
Where Used						
- 3	ne iente iente	Base Entity Clientes Clientes	Datatype INTEGER INT			
User-Defined Mappings						
Model Name	Base Entity	Datatype	Description			
Direct Source Mappings						
Columns	Transformati on Logic	Transformation	n Description			
Secondary Source Mapping	JS					
Columns	Transformati on Logic	Transformation	n Description			
Direct Target Mappings						
Columns	Transformati on Logic	Transformation	n Description			
Secondary Target Mappings	S					
Columns	Transformati on Logic	Transformation	n Description			
Definition						
Clave primaria de la Tabla	Personas (1/1).					
Note						
Clave primaria de la Tabla	Personas (1/1).					
Logical Column Properties						
Data Type INTEGER	v v	Vidth	Scale			

Nullable NO Identity NO

Domain Restrictions

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

Email

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

Type

Entity Type Primary Keys

IdCompra,IdProveedor,IdEmpleado

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

Permission Action Type

Is Action Type 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, IdProveedor, IdEmpleado

IdCompra FechaCompra

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdCompra		BIGINT	ID	Clave primaria de la Tabla Compras (1/3).
IdProveedor		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
FechaCompra		DATETIME	N	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	Туре	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 roductos	Identify ing	One To Zero or More				-	NO

IdCompra

Attribute Name IdCompra IdCompra Logical Role Name

Role Name Logical Only NO **Entity Name**

Compras

					•	
D	റ	n	n	а	ı	n
_	J	ш		u	•	••

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 EntityDatatypeLogicalIdCompraComprasBIGINTSVICMySql (MySQL)IdCompraComprasBIGINT

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 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

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).

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

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).

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

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

NO

Logical Only Entity Type

Dependent

Primary Keys

IdCompra,IdProducto,IdRubro,IdProveedor,IdEmpleado

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

Is Action

Extended

ls

System

en una compra.

Object Permission

User/Role **Permission Action** Grantee Type

Name Type Type

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**

ComprasProductos Logical SVICMySql (MySQL) ComprasProductos

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

PK14 PrimaryKey IdCompra, IdProducto, IdRubro,

IdProveedor, IdEmpleado

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdCompra		BIGINT	N	Clave primaria de la Tabla Compras (1/3). Clave primaria de la Tabla ComprasProductos (1/5).
IdProducto		INTEGER	N	. ,
IdRubro		TINYINT	N	
IdProveedor		INTEGER	N	. ,
IdEmpleado		INTEGER	N	
PrecioCompra		DECIMAL(12, 2)	N	
CantidadCompra		SMALLINT	N	•
Defaults, Rules and	Check Constrai	nts		
Attribute	Туре	Name	F	Restriction

Parent Relationships:

Relationships

Entity Name	Туре	Cardinality	Business Name	Verb Phrase	 Foreign Keys	Is Supertype
Compras	Identify ing	One To Zero or			ldCompr a.	NO

More **IdProve** edor. **IdEmple** ado **Productos** Identify One To IdProdu NO Zero or ing cto, More IdRubro **Child Relationships: Entity** Type Cardinality **Business** Verb Inverse Foreign ls Name Name Phrase **Phrase** Keys **Subtype IdCompra Attribute Name** IdCompra **Entity Name** ComprasProductos **Column Name** IdCompra **Logical Role** Name **Role Name Logical Only** NO **Domain Primary Key** YES Foreign Key YES **Parent Entity** Compras **Security Properties Current Value** Name **Bound Attachments** Name **Current Value Data Movement Rules** Name **Type** Rule Text/Value Where Used Model Name **Base Entity Datatype IdCompra** ComprasProductos **BIGINT** Logical SVICMySql (MySQL) **IdCompra** ComprasProductos **BIGINT User-Defined Mappings** Model Name **Base Entity** Description **Datatype**

Columns Transformati Transformation Description on Logic

Direct Source Mappings

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 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 Compras Productos (1/5).

Logical Column Properties

Data Type BIGINT Width Scale

Nullable NO ldentity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Reference Value

IdProducto

Attribute Name IdProducto Entity Name ComprasProductos
Column Name IdProducto

Logical Role

Name Role Name

Logical Only NO

Domain

Primary Key YES

Foreign Key YES Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdProductoComprasProductosINTEGERSVICMySql (MySQL)IdProductoComprasProductosINT

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 Tr

Transformati Transformation Logic

Transformation Description

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 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

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).

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

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).

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

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 **DECIMAL** 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 Columns Transformati Transformation Description**

on Logic

Transformati on Logic

Transformation Description

Direct Target Mappings

Columns

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 DECIMAL(12, 2) Width 12 Scale 2

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

NO

Logical Only

Dependent, Subtype **Entity Type**

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 **Permission Action** Grantee Is Action ls

Name Type Type Type Extended System

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**

Empleados Logical SVICMySql (MySQL) **Empleados**

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 PK4 PrimaryKey IdEmpleado **UI** Usuario Alternate Key Usuario

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
IdRol		TINYINT	N	Clave primaria de la Tabla Roles (1/1).
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.

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
Roles	Non-Id entifyin g	One To Zero or More				IdRol	NO
PersonasF isicas	Identify ing	One to Zero or One				ldEmple ado	YES

Child Relationships:

Entity Name	Туре	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 Empleados

Column Name IdEmpleado Logical Role IdEmpleado

Name

Role Name IdEmpleado

NO

Logical Only 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 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

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

Logical Column Properties

Data Type INTEGER Width Scale

Nullable NO ldentity NO

Domain Restrictions

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

IdRol

Attribute Name Column Name Logical Role Name	ldRol ldRol	E	Entity Name	Empleados
Role Name Logical Only	NO			
Domain Primary Key Foreign Key	NO YES	F	Parent Entity	Roles
Security Propert	ies			
Name		Current Value	•	
Bound Attachme	nts			
Name		Current Value	•	
Data Movement I	Rules			
Name		Туре	Rule Text/Value	•
Where Used				
Model Logical SVICMySql (My	Nan IdRo SQL) IdRo	ol	Base Entity Empleados Empleados	Datatype TINYINT TINYINT
Logical	ldRo SQL) ldRo	ol	Empleados	TINYINT
Logical SVICMySql (My	IdRo SQL) IdRo ppings	ol	Empleados	TINYINT
Logical SVICMySql (My- User-Defined Ma	IdRo SQL) IdRo ppings ne	ol ol	Empleados Empleados	TINYINT TINYINT
Logical SVICMySql (Mysum of the second of th	IdRo SQL) IdRo ppings ne	ol ol	Empleados Empleados	TINYINT TINYINT Description
Logical SVICMySql (Mysum of the second of th	IdRo SQL) IdRo ppings ne appings	Base Entity Transformation Logic	Empleados Empleados Datatype	TINYINT TINYINT Description
Logical SVICMySql (Mysum of the second of th	IdRo SQL) IdRo ppings ne appings	Base Entity Transformation Logic	Empleados Empleados Datatype	TINYINT TINYINT Description Description
Logical SVICMySql (Myster-Defined Man Model Nar Direct Source Man Columns Secondary Source	IdRo SQL) IdRo ppings ne appings ce Mapping	Base Entity Transformati on Logic Transformati	Empleados Empleados Datatype Transformation	TINYINT TINYINT Description 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).

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

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 TypeKeysPK2PrimaryKeyIdPersona

Attributes

Attribute/Logical Domain Datatype Null Definition

Rolename
IdPersona
INTEGER
N Clave primaria de la Tabla Personas (1/1).
Telefono
CHAR(10)
N Es el Teléfono de la Persona.
EstadoPer
CHAR(1)
N Estado de las personas. A: Activa - I: Inactiva.

Defaults, Rules and Check Constraints

AttributeTypeNameRestrictionEstadoPerDefault'A'

Relationships

Parent Relationships:

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

Child Relationships:

Foreign Entity Type Cardinality **Business** Verb Inverse Name Name Phrase **Phrase** Keys Subtype One To YES Proveedor Identify es ing Zero or More One to Zero YES PersonasF Identify isicas ing or One

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	es	ul	: Rı	ent	oven	M)ata	D
---------------------	----	----	------	-----	------	---	------	---

Name	7	Гуре	Rule Text/Value	2
Where Used				
Model Logical SVICMySql (MySQL)	Name IdPers IdPers	sona	Base Entity Personas Personas	Datatype INTEGER INT
User-Defined Mappin	gs			
Model Name	E	Base Entity	Datatype	Description
Direct Source Mappin	igs			
Columns	-	Transformati on Logic	Transformation	Description
Secondary Source Ma	appings			
Columns	-	Transformati on Logic	Transformation	Description
Direct Target Mapping	gs			
Columns	-	Transformati on Logic	Transformation	Description
Secondary Target Ma	ppings			
Columns	-	Transformati on Logic	Transformation	Description
Definition				
Clave primaria de la	Tabla P	ersonas (1/1).		
Note				
Clave primaria de la	Tabla P	ersonas (1/1).		
Logical Column Prop	erties			
Data Type INT Nullable NO Identity NO		١	Vidth	Scale

Domain Restrictions

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

Telefono

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

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default 'A'

Bound Default Reference Value

PersonasFisicas

Entity Name Personas Fisicas

Owner Name

Logical Only NO

Entity Type Dependent, Supertype, Subtype

Primary Keys IdPersonaFisica

Definition Tabla que almacena la informacion de personas fisicas participantes

dell sistema.

Notes Tabla que almacena la informacion de personas fisicas participantes

dell sistema.

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 PersonasFisicas SVICMySql (MySQL) PersonasFisicas

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

PK18 PrimaryKey IdPersonaFisica IX_ApellidosNombre Inversion Entry Apellidos, Nombres

s

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdPersonaFisica		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
Apellidos		VARCHAR(30)	N	Apellidos de las personas fisicas.
Nombres		VARCHAR(30)	N	Nombres de las Personas Fisicas.

Defaults, Rules and Check Constraints

Attribute	Туре	Name	Restriction
Relationships			

Parent Relationships:

Entity Name	Type	Cardinality	Business Name	Inverse Phrase	Foreign Keys	ls Supertype
Personas	Identify ing	One to Zero or One			IdPerso naFisica	YES

Child Relationships:

Entity Name	Type	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Clientes	Identify ina	One to Zero or One				-	YES
Empleado s	Identify ina	One to Zero or One					YES

IdPersonaFisica

Attribute Name Column Name	IdPersona IdPersonaFisica	Entity Name	PersonasFisicas
Logical Role Name	IdPersonaFisica		
Role Name	IdPersonaFisica		
Logical Only Domain	NO		
Primary Key	YES		
Foreign Key	YES	Parent Entity	Personas

Security Properties

Name Current Value

				its

Dound Attachi	iiciito									
Name		Current Value								
Data Movement Rules										
Name		Туре	Rule Text/Value	•						
Where Used										
Model Logical SVICMySql (N		i e rsonaFisica rsonaFisica	Base Entity PersonasFisicas PersonasFisicas	Datatype INTEGER INT						
User-Defined Mappings										
Model N	ame	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							
Secondary Target Mappings										
Columns		Transformati on Logic	Transformation	Description						
Definition										
Clave primaria	a de la Tabla	Personas (1/1).								
Note										
Clave primaria de la Tabla Personas (1/1).										
Logical Column Properties										
Data Type INTEGER Nullable NO Identity NO		Width		Scale						

Domain Restrictions

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

Apellidos

Attribute Name Apellidos Entity Name PersonasFisicas **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** PersonasFisicas **VARCHAR** SVICMySql (MySQL) **Apellidos** PersonasFisicas **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 de las personas fisicas.

Note

Apellidos de las personas fisicas.

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

Nombres

Attribute Name Nombres Entity Name PersonasFisicas **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 PersonasFisicas **VARCHAR** SVICMySql (MySQL) PersonasFisicas **VARCHAR** Nombres **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

Transformation Description

Columns

Columns Transformati Transformation Description

on Logic

Definition

Nombres de las Personas Fisicas.

Note

Nombres de las Personas Fisicas.

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

Productos

Entity Name Productos

Owner Name

Logical Only NO

Entity Type Dependent

Primary Keys IdProducto,IdRubro

Definition Tabla que almacena en el sistema. los productos se puede

adquierir en la tienda.

Notes Tabla que almacena en el sistema. los productos se puede

adquierir en la tienda.

Object Permission

User/Role 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 Productos SVICMySql (MySQL) Productos

Where Used - Submodel Usage

Model Submodel Usage

Logical Main Model SVICMySql (MySQL) Main Model

User-Defined Mappings

Model Name Description

Keys

Key Name Key Type Keys

UI_NombreProducto Alternate Key NombreProducto PK11 PrimaryKey IdProducto, IdRubro

UI_IdProducto Alternate Key IdProducto

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdProducto		INTEGER	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(12, 2)	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	ls 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 NO

Domain

Primary Key YES

Foreign Key NO

Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdProductoProductosINTEGERSVICMySql (MySQL)IdProductoProductosINT

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 Nullable Width **INTEGER** Scale

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 Precio **Entity Name Productos Column Name** Precio **Logical Role** Name **Role Name Logical Only** NO Domain **Primary Key** NO Foreign Key **Parent Entity** 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 DECIMAL** SVICMySql (MySQL) **Productos DECIMAL** Precio **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 Transformation Description Columns**

on Logic

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 DECIMAL(12, 2) Width 12 Scale 2

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 NameKey TypeKeysPK3PrimaryKeyIdProveedorIX NombreProveedoInversion EntryNombreProveedor

r

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdProveedor		INTEGER	N	Clave primaria de la Tabla Personas
NombreProveedor		VARCHAR(30)	N	(1/1). nombre del 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	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	Identify ing	One To Zero or					NO
		More					

IdProveedor

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

Security Properties

Name Current Value

					ents
_	u	 u	~~~	au	 CIILO

Name		Current Value		
Data Movement	Rules			
Name		Туре	Rule Text/Valu	e
Where Used				
Model Logical SVICMySql (My		oveedor	Base Entity Proveedores Proveedores	Datatype INTEGER INT
User-Defined Ma	appings			
Model Na	me	Base Entity	Datatype	Description
Direct Source M	appings			
Columns		Transformati on Logic	Transformation	n Description
Secondary Sour	ce Mapping	s		
Columns		Transformati on Logic	Transformation	n Description
Direct Target Ma	appings			
Columns		Transformati on Logic	Transformation	n Description
Secondary Targ	et Mappings	3		
Columns		Transformati on Logic	Transformation	n Description
Definition				
Clave primaria	de la Tabla	Personas (1/1).		
Note				
Clave primaria	de la Tabla	Personas (1/1).		
Logical Column	Properties			
Data Type Nullable Identity	INTEGER NO NO	V	/idth	Scale

Domain Restrictions

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

NombreProveedor

Attribute Name NombreProveedor **Entity Name Proveedores Column Name** NombreProveedor **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 **Base Entity Datatype** Logical NombreProveedor Proveedores **VARCHAR** SVICMySql (MySQL) NombreProveedor Proveedores **VARCHAR 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 del proveedor.

Note

nombre del proveedor.

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

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 Identity 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 Movement 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 Description						
Secondary Source Mappings									
Columns		Transformati on Logic	Transformation Description						
Direct Target Mappings									
Columns		Transformati on Logic	Transformation Description						
Secondary Target Mappings									
Columns		Transformati on Logic	Transformation Description						
Definition									
Clave primaria de la Tabla Rubros (1/1).									
Note									
Clave primaria de la Tabla Rubros (1/1).									
Logical Column Properties									
Data Type TINYINT Nullable NO Identity NO		Width		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

PK10

Key Type

Keys

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).
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
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	Туре	Cardinality	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
VentasPro ductos	Identify ing	One To Zero or More				•	NO

IdVenta

Attuibuta Nama	1-11/
Attribute Name	IdVenta
Column Name	IdVenta
Logical Role	
Name	
Role Name	

Logical Only NO

Entity Name

Ventas

Domain

Primary Key YES Foreign Key NO

Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

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

on Logic

Secondary Target Mappings

Columns Transformati Transformation Description

on Logic

Definition

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

Note

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

Logical Column Properties

Data Type BIGINT Width Scale

Nullable NO Identity YES

Domain Restrictions

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

IdCliente

Attribute Name IdPersona **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).

Note

Clave primaria de la Tabla Personas (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

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).

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

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

VentasProductos

Entity Name VentasProductos

Owner Name

NO

Logical Only

Dependent

Entity Type Primary Keys

IdVenta,IdProducto,IdRubro,IdCliente,IdEmpleado

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 Name Type

Permission Action

Type

Is Action Extended

Denormalization Mappings

ls System

Security Properties

Name

Current Value

Type

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used - Model Usage

Model Logical **Logical Entity Name**

VentasProductos VentasProductos

Where Used - Submodel Usage

Model

Submodel Usage

Logical

Main Model

SVICMySql (MySQL)

SVICMySql (MySQL)

Main Model

User-Defined Mappings

Model

Name

Description

Keys

Key Name

PK15

Key Type

PrimaryKey

IdVenta, IdProducto, IdRubro, IdCliente,

IdEmpleado

Attributes

Attribute/Logical Rolename	Domain	Datatype	Null	Definition
IdVenta		BIGINT	N	Clave primaria de la Tabla Ventas (1/3).Clave primaria de la Tabla VentasProductos (1/5).
IdProducto		INTEGER	N	Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).
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).
IdCliente		INTEGER	N	` ,
IdEmpleado		INTEGER	N	Clave primaria de la Tabla Personas (1/1).
PrecioVenta		DECIMAL(12, 2)	N	precio unitario del producto cuando se llevó a cabo la venta.
CantidadVenta		SMALLINT	N	cantidad de un producto que es vende.
Descuento		DECIMAL(12, 2)	N	es el descuento que se le hace por venta de un producto.

Defaults, Rules and Check Constraints

Attribute	Type	Name	Restriction
711111111111111111111111111111111111111	. , , , ,		

i di ciit itcidiionisinps.	Parent	Relation	ships:
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Entity Name Ventas	Type Identify ing Identify	One To Zero or More	Business Name	Verb Phrase	Inverse Phrase	Foreign Keys IdVenta, IdClient e, IdEmple ado IdProdu	Is Supertype NO
Child Relation	ing onships: Type	Zero or More	Business	Verb	Inverse	cto, IdRubro	Is
Name	. , , ,	ou. a.mamy	Name	Phrase	Phrase	Keys	Subtype

IdVenta

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

Name	Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

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

User-Defined Mappings

Model	Name	Base Entity	Datatype	Description	
Direct Source Mappings					
Columns		Transformati on Logic	Transformation Description		
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 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).

Logical Column Properties

Data Type Nullable	BIGINT NO	Width	Scale
Identity	NO		

Domain Restrictions

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

IdProducto

Attribute Name IdProducto Entity Name VentasProductos Column Name IdProducto

Logical Role

Name Role Name

Logical Only NO

Domain

Primary Key YES Foreign Key YES

Parent Entity

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdProductoVentasProductosINTEGERSVICMySql (MySQL)IdProductoVentasProductosINT

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).

Logical Column Properties

Data Type INTEGER Width Scale

Nullable NO Identity NO

Domain Restrictions

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

IdRubro

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

Width **Data Type TINYINT** Scale

Nullable NO Identity NO

Domain Restrictions

Check Constraint Check Constraint Name **Bound Rule Declared Default Bound Default**

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).

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

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).

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

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 **DECIMAL** 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 DECIMAL(12, 2) Width 12 Scale 2

Nullable NO Identity NO

Domain Restrictions

Check Constraint Check Constraint

Name

Bound Rule

Declared Default

Bound Default

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

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 **DECIMAL** 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

Transformati

on Logic

Transformation Description

Direct Target Mappings

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 DECIMAL(12, 2) Width 12 Scale 2

Nullable NO Identity NO

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Key Summary Report

Entity Name	Key Name	Key Type	Unique
Clientes	PK7	PrimaryKey	YES
Clientes	UI_Email	Alternate Key	YES
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
Personas	PK2	PrimaryKey	YES
PersonasFisicas	PK18	PrimaryKey	YES
PersonasFisicas	IX_ApellidosNombres	Inversion Entry	NO
Productos	UI_NombreProducto	Alternate Key	YES
Productos	PK11	PrimaryKey	YES
Productos	UI_IdProducto	Alternate Key	YES
Proveedores	PK3	PrimaryKey	YES
Proveedores	IX_NombreProveedor	Inversion Entry	NO
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

PK8

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

PrimaryKey PrimaryKey

Unique YES

IdCompra,IdProveedor,IdEmpleado 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 Rubro, Id Proveedor, Id EmpleadoKeys

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

PK2 Personas NO

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

Bound Attachments

PK18

PersonasFisicas

NO

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

Unique YES

Keys IdPersonaFisica

Bound Attachments

IX_ApellidosNombres

IX_ApellidosNombres PersonasFisicas

NO

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

Unique NO

Apellidos, Nombres Keys

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

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

PK3

Proveedores

NO

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

Unique

Keys IdProveedor

Bound Attachments

IX_NombreProveedor

 $IX_Nombre Proveed or$

Proveedores

NO

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

Unique NO

NombreProveedor Keys

Bound Attachments

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 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

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

VentasProductos

NO

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

Unique YES

IdVenta,IdProducto,IdRubro,IdCliente,IdEmpleado Keys

Bound Attachments

Relationship Summary Report

Parent Entity	Child Entity	Relationship Type	No of Keys
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
Personas	Proveedores	Identifying	1
PersonasFisicas	Clientes	Identifying	1
PersonasFisicas	Empleados	Identifying	1
Personas	PersonasFisicas	Identifying	1

Relationship Detail Reports

Relationship: Proveedores to Compras

Relationship Name Relationship Business Name

Relationship Type Identifying Relationship Do Not False

Generate

Relationship Logical

Only

Parent Entity Proveedores
Child Entity Compras

Cardinality One To Zero or More

NO

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 Entity ComprasProductos Cardinality One To Zero or More

Mandatory **Existence Propagated Key** Primary Key

Bound Attachments

Name **Current Value**

Relationship Description

Verb Sentence Inverse Verb Sentence Definition Note

Relationship Keys

Parent Key Child Key IdCompra IdCompra IdProveedor **IdProveedor** IdEmpleado IdEmpleado

Trigger Templates

Trigger Action Trigger Event

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

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

Mandatory **Existence 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: PersonasFisicas to Clientes

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

Parent Entity Personas Fisicas

Child Entity Clientes

Cardinality One to Zero or One

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 IdPersonaFisica IdCliente

Trigger Templates

Trigger Event Trigger Action

Relationship: PersonasFisicas to Empleados

Relationship Name Relationship **Business Name**

Relationship Type

Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

Parent Entity PersonasFisicas **Child Entity Empleados**

Cardinality One to Zero or One

Mandatory **Existence Propagated Key** Primary Key

Bound Attachments

Name **Current Value**

Relationship Description

Verb Sentence Inverse Verb Sentence Definition Note

Relationship Keys

Parent Key Child Key IdPersonaFisica IdEmpleado

Trigger Templates

Trigger Event Trigger Action

Relationship: Personas to PersonasFisicas

Relationship Name Relationship Business Name

Relationship Type Identifying **Relationship Do Not** False

Generate

Relationship Logical NO

Only

Parent Entity Personas
Child Entity PersonasFisicas
Cardinality One to Zero or One

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 IdPersonaFisica

Trigger Templates

Trigger Event Trigger Action

Supertype Summary Report

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

Shape Summary Report

Name	Туре
Estado(Productos, Rubros)	Note
EstadoPersona	Note

Shape Detail Report

Estado(Productos, Rubros)

Name Estado(Productos,Rubros)

Type Note

Text

Estado(Productos, Rubros)

A: Activo. I: Inactivo.

Bound Attachments

EstadoPersona

Name EstadoPersona

Type Note

Text

Estado(Personas) A: Activa.

I: Inactiva.

Bound Attachments

Model Detail Reports

SVICMySqI

Model Name Database Platform SVICMySql MySQL 5.x

Model Notation Physical

PreSQL

PostSQL

Security Properties

Name Current Value

Bound Attachments

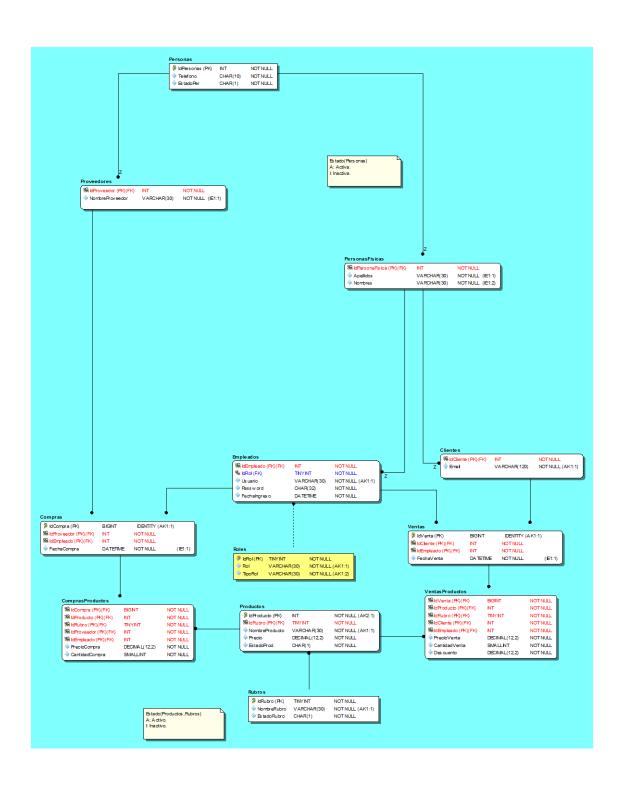
Name Current Value

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,	2
Compras	Dependent	ldCompra,ldProveedor,ldEmpleado,	4
ComprasProductos	Dependent	IdCompra,IdProducto,IdRubro,IdProv eedor,IdEmpleado,	7
Empleados	Dependent	ldEmpleado,	5
Personas	Independent	IdPersonas,	3
PersonasFisicas	Dependent	IdPersonaFisica,	3
Productos	Dependent	IdProducto,IdRubro,	5
Proveedores	Dependent	IdProveedor,	2
Roles	Independent	ldRol,	3
Rubros	Independent	ldRubro,	3
Ventas	Dependent	IdVenta,IdCliente,IdEmpleado,	4
VentasProductos	Dependent	IdVentaldProductoldRubroldClienteld Empleado	8

Table Detail Reports

Clientes

Table Name

Clientes

Owner Name

Table Type INNODB
Physical Only NO
Primary Keys IdCliente

Definition

Tabla que almacena en el sistema 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

Ü	ser-	Defin	her	Mar	pings
u	301 -	וווסט	ICU	IVICI	piliga

Model	Nan	ne	Desc	ription				
Columns								
Column Nar IdCliente	me I	Domain	Dataty INT	pe	Null N	la Tal	primaria d ola Persor	
Email			VARCHAR(12 0)		N	(1/1). correo electronico del cliente. Único.		
Keys								
Key Name PK7 UI_Email		Key Type PrimaryKey Alternate Key	IdČlie	Keys IdCliente Email				
Storage								
Growth Metri	cs							
Current Row Table Growth Growth Type Growth Perio Maximum Ro	h e od	0 Static N/A N/A 0						
Defaults, Rule	es and Cl	neck Constrain	ts					
Column		Туре	Name		R	Restric	tion	
Foreign Keys	3							
Parent Relat	ionships	:						
Table Name	Туре	Cardinality	Constraint Name	Verb Phrase		erse rase	Foreign Keys	ls Supertyp
PersonasF isicas	Identify ing	One to Zero or One	. tunio	imase	, 1 111	400	IdClient e	NO
Child Relation	onships:							
Table Name	Туре	Cardinality	Constraint Name	Verb Phrase		erse rase	Foreign Keys	ls Subtype
Ventas	Identify ing	One To Zero or More	ivaille	rillase	; FIII	ast	neys	Subtype NO

DDL Code

IdCliente

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**

Table Name

PersonasFisicas

Clientes

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** Clientes **INTEGER** Logical **IdCliente** SVICMySql (MySQL) **IdCliente** Clientes 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

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

IdCompra,IdProveedor,IdEmpleado

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

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

Keys

Key NameKey TypeKeysPK8PrimaryKeyIdCompra, IdProveedor, IdEmpleadoUI_IdCompraAlternate KeyIdCompraIX_FechaCompraInversion EntryFechaCompra
--

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	ls Supertype
Proveedor	Identify	One To				IdProve	NO
es	ing	Zero or				edor	
	Ū	More					
Empleado	Identify	One To				IdEmple	NO
S	ing	Zero or				ado	
		More					

Child Relationships:

Table	Type	Cardinality	Constraint	Verb	Inverse	Foreign	ls
Name		-	Name	Phrase	Phrase	Keys	Subtype

NO

DDL Code

```
CREATE TABLE Compras (
   IdCompra
                  BIGINT
                              AUTO INCREMENT,
   IdProveedor
                 INT
                              NOT NULL,
                INT
DATETIME
   IdEmpleado
                              NOT NULL,
   FechaCompra
                            NOT NULL,
   PRIMARY KEY (IdCompra, IdProveedor, IdEmpleado),
   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

IdProveedor

Column Name Attribute Name

IdProveedor IdPersona Table Name

Compras

Logical Role Name IdPersona

Role Name

IdProveedor

Physical Only

Primary Key

Foreign Key

NO

Domain

YES YES

Parent Table

Proveedores

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used

Model Logical

Name IdProveedor IdProveedor Base Entity Compras Compras Datatype INTEGER INT

User-Defined Mappings

SVICMySql (MySQL)

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).

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

IdEmpleado

Column Name **Attribute Name**

IdEmpleado IdPersona

IdPersona

Name

Logical Role

Role Name

IdEmpleado NO

Physical Only Domain

YES

Primary Key Foreign Key YES

Parent Table

Table Name

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** Compras Compras

Datatype INTEGER INT

User-Defined Mappings

Model

Name

Base Entity

Datatype

Description

Compras

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).

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

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 TypeINNODBPhysical OnlyNO

Primary Keys IdCompra,IdProducto,IdRubro,IdProveedor,IdEmpleado

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		INT	N	(1/5). Clave primaria de la Tabla Productos (1/2).Clave primaria de la Tabla ComprasProductos (2/5).
IdRubro		TINYINT	N	
IdProveedor		INT	N	
IdEmpleado		INT	N	
PrecioCompra		DECIMAL(12, 2)	N	` ,
CantidadCompra		SMALLINT	N	
Keys				
Key Name PK14	Key Type PrimaryKey	Keys IdCompra, IdP IdProveedor, Id		

Growth Metrics

Storage

Current Row Count0Table GrowthStaticGrowth TypeN/AGrowth PeriodN/AMaximum Rows0

Column	Туре	Name	Restriction
Foreign Keys			

Parent Relationships:

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

Child Relationships:

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

DDL Code

```
CREATE TABLE ComprasProductos(
                                    NOT NULL,
   IdCompra BIGINT
                   INT
                                    NOT NULL,
   IdProducto
                   TINYINT
                                    NOT NULL,
   IdRubro
   IdProveedor
                   INT
                                    NOT NULL,
   IdEmpleado
                   INT
                                    NOT NULL,
   PrecioCompra DECIMAL(12, 2) NOT NULL,
   CantidadCompra SMALLINT
                                    NOT NULL,
   PRIMARY KEY (IdCompra, IdProducto, IdRubro, IdProveedor,
IdEmpleado),
   CONSTRAINT RefCompras23 FOREIGN KEY (IdCompra, IdProveedor,
IdEmpleado)
   REFERENCES Compras (IdCompra, IdProveedor, IdEmpleado),
   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

Attribute Name 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 EntityDatatypeLogicalIdProductoComprasProductosINTEGERSVICMySql (MySQL)IdProductoComprasProductosINT

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	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

IdProveedor

Column Name Attribute Name

IdProveedor IdPersona Table Name Cor

ComprasProductos

Logical Role Name IdPersona

Role Name

IdProveedor

Physical Only

NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Compras

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used

Model Logical SVICMySql (MySQL) Name IdProveedor IdProveedor Base Entity ComprasProductos ComprasProductos 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).

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

IdEmpleado

Column Name IdEmpleado **Attribute Name**

Logical Role

IdPersona IdPersona **Table Name** ComprasProductos

Name

Role Name

IdEmpleado NO

Physical Only Domain

Primary Key YES Foreign Key YES

Parent Table

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 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).

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

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 EntityDatatypeLogicalPrecioCompraComprasProductosDECIMALSVICMySql (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(12, 2) Width 12 Scale 2

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 Name CantidadCompra Table Name ComprasProductos
Attribute Name
Logical Role
Name
Role Name

Physical Only NO Domain

Primary Key NO Foreign Key NO

oreign 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

Denormalization Mappings

Logical

Empleados

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			lave primaı Tabla Pe	
IdRol			TINYIN	Т	N C	/1). lave primai Tabla Role	
Usuario			VARCH)	IAR(30	N no	/1). ombre de u el emplead	
Password			CHAR(32)	N co us er	nico. ontraseña suario del npleado	
Fechalngre	so		DATET	IME	M N Fe	odificada D5. echa de inç el emplead	greso
Keys							
Key Name PK4 UI_Usuario		Key Type PrimaryKey Alternate Key		pleado			
Storage							
Growth Metr	ics						
Current Row Table Growt Growth Typ Growth Peri Maximum R	th e od	0 Static N/A N/A 0					
Defaults, Ru	les and Cl	heck Constrair	nts				
Column		Туре	Name		Res	triction	
Foreign Key	s						
Parent Rela	tionships	:					
Table Name Roles	Type Non-Id	Cardinality One To	Constraint Name	Verb Phrase	Invers Phras		Superty

Table Name	Type	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	Is Supertype
Roles	Non-Id entifyin g	One To Zero or More				IdRol	NO
PersonasF isicas	Identify ing	One to Zero or One				IdEmple ado	NO

Child Relationships:

Table	ype	Cardinality	Constraint	Verb	Inverse	Foreign	IS
-------	-----	-------------	------------	------	---------	---------	----

Name			Name	Phrase	Phrase	Keys	Subtype
Compras	Identify	One To					NO
	ing	Zero or					
		More					
Ventas	Identify	One To					NO
	ing	Zero or					
	-	More					

DDL Code

```
CREATE TABLE Empleados (
                                 NOT NULL,
   IdEmpleado INT
   IdRol
                  TINYINT
                                NOT NULL,
   Usuario
                 VARCHAR (30)
                               NOT NULL,
   Password
                 CHAR (32)
                                 NOT NULL,
                                 NOT NULL,
   FechaIngreso DATETIME
   PRIMARY KEY (IdEmpleado),
   UNIQUE INDEX UI_Usuario(Usuario),
   CONSTRAINT RefRoles9 FOREIGN KEY (IdRol)
   REFERENCES Roles(IdRol),
   CONSTRAINT RefPersonasFisicas39 FOREIGN KEY (IdEmpleado)
   REFERENCES PersonasFisicas(IdPersonaFisica)
)
;
```

IdEmpleado

Column Name Attribute Name **Logical Role**

IdEmpleado IdPersona

Table Name

Empleados

IdEmpleado Name

Role Name

IdEmpleado NO

Physical Only

Foreign Key

Domain **Primary Key**

YES YES

Parent Table

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).

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

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** Roles **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

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

Telefono CHAR(10) N Es el Teléfono de

la Persona.

EstadoPer CHAR(1) N Estado de las personas. A: Activa

- I: Inactiva.

Keys

Key NameKey TypeKeysPK2PrimaryKeyIdPersonas

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

ColumnTypeNameRestrictionEstadoPerDefault'A'

Foreign Keys

Parent Relationships:

Table	Type	Cardinality	Constraint	Verb	Inverse	Foreign	ls
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	ing	or One					
PersonasF	Identify	One to Zero					NO
isicas	ing	or One					

DDL Code

```
CREATE TABLE Personas (
   IdPersonas INT 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

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

PersonasFisicas

Table Name PersonasFisicas

Owner Name Table Type

Physical Only NO

Primary Keys IdPersonaFisica

Definition Tabla que almacena la informacion de personas fisicas participantes

dell sistema.

Notes Tabla que almacena la informacion de personas fisicas participantes

dell sistema.

PreSQL

PostSQL

Security Properties

Name **Current Value**

Bound Attachments

Name **Current Value**

Data Movement Rules

Rule Text/Value Name **Type**

Where Used - Model Usage

Model **Logical Entity Name**

Logical PersonasFisicas PersonasFisicas SVICMySql (MySQL)

Where Used - Submodel Usage

Model **Submodel Usage** Main Model Logical Main Model

SVICMySql (MySQL)

User-Defined Mappings

Model Name **Description**

Columns

Column Name Domain Datatype Null Definition

Denormalization Mappings

IdPersonaFisica	INT		Clave primaria de		
			la Tabla Personas		
			(1/1).		
Apellidos	VARCHAR(30	Ν	Apellidos de las		
)		personas fisicas.		
Nombres	VARCHAR(30	Ν	Nombres de las		
)		Personas Fisicas.		

Keys

Key Name	Key Type	Keys
IX_ApellidosNombre	Inversion Entry	Apellidos, Nombres
PK18	PrimaryKey	IdPersonaFisica

Storage

Growth Metrics

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

Defaults, Rules and Check Constraints

Column	Туре	Name	Restriction
Foreign Keys			

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Personas	Identify ing	One to Zero or One				IdPerso naFisica	NO

Child Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Subtype
Clientes	Identify ing	One to Zero or One					NO
Empleado s	Identify ing	One to Zero or One					NO

DDL Code

```
CREATE TABLE PersonasFisicas(
   IdPersonaFisica INT NOT NULL,
   Apellidos VARCHAR(30) NOT NULL,
   Nombres VARCHAR(30) NOT NULL,
   PRIMARY KEY (IdPersonaFisica),
   CONSTRAINT RefPersonas40 FOREIGN KEY (IdPersonaFisica)
   REFERENCES Personas(IdPersonas)
);
```

IdPersonaFisica

Column Name Attribute Name

IdPersonaFisica

IdPersona

Logical Role

IdPersonaFisica

Name

Role Name

IdPersonaFisica

Physical Only

Domain

YES

NO

Primary Key Foreign Key YES

Parent Table

Table Name

Personas

PersonasFisicas

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used

Model Logical Name

Base Entity PersonasFisicas **Datatype**

IdPersonaFisica

IdPersonaFisica

PersonasFisicas

INTEGER INT

User-Defined Mappings

SVICMySql (MySQL)

Name Model

Base Entity

Datatype

Description

Direct Source Mappings

Columns

Transformati

Transformation Description

on Logic

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).

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

Apellidos

Column Name Apellidos Table Name PersonasFisicas 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** PersonasFisicas **VARCHAR** SVICMySql (MySQL) **Apellidos** PersonasFisicas **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 de las personas fisicas.

Note

Apellidos de las personas fisicas.

Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO Unsigned NO

Growth Metrics

Average Width 30 Percent Null 0

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

Bound Default

Nombres

Column Name **Nombres Table Name** PersonasFisicas **Attribute Name** Nombres **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 Nombres PersonasFisicas **VARCHAR** SVICMySql (MySQL) PersonasFisicas **VARCHAR** Nombres **User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings**

Secondary Source Mappings

Columns Transformati Transformation Description

Transformati

Transformation Description

on Logic

on Logic

Direct Target Mappings

Columns

Columns Transformati Transformation Description

Columns Transformati Transformation Description

on Logic

Definition

Nombres de las Personas Fisicas.

Note

Nombres de las Personas Fisicas.

Column Properties

Data Type VARCHAR(30) Width 30 Scale

Nullable NO Unsigned NO

Growth Metrics

Average Width 30 Percent Null 0

Domain Restrictions

Check Constraint

Check Constraint

Name

Bound Rule

Declared Default

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	INT	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(12, 2)	N	precio fijado para la venta del producto.
EstadoProd	CHAR(1)	Ν	Estado del producto. A: Activo

Keys

Key NameKey TypeUI_NombreProductoAlternate KeyPK11PrimaryKeyUI_IdProductoAlternate Key	Keys NombreProducto IdProducto, IdRubro IdProducto
--	--

- I: Inactivo.

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

Child Relationships:

Table	Type	Cardinality	Constraint	Verb	Inverse	Foreign	ls	
-------	------	-------------	------------	------	---------	---------	----	--

Name			Name	Phrase	Phrase	Keys	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
                                      NOT NULL,
                     INT
   IdRubro
                                      NOT NULL,
                     TINYINT
   NombreProducto
                  VARCHAR (30)
                                      NOT NULL,
   Precio
                   DECIMAL(12, 2)
                                      NOT NULL,
                    CHAR(1)
                                      NOT NULL,
   EstadoProd
   PRIMARY KEY (IdProducto, IdRubro),
   UNIQUE INDEX UI_NombreProducto(NombreProducto),
   UNIQUE INDEX UI IdProducto(IdProducto),
   CONSTRAINT RefRubros27 FOREIGN KEY (IdRubro)
   REFERENCES Rubros(IdRubro)
)
```

IdProducto

Column Name IdProducto

Attribute Name

IdProducto

Table Name

Productos

Logical Role Name

Role Name

Physical Only Domain

NO

.

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 EntityDatatypeLogicalIdProductoProductosINTEGERSVICMySql (MySQL)IdProductoProductosINT

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 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

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 DECIMAL** 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(12, 2) Width 12 Scale 2

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 N Clave primaria de

la Tabla Personas

(1/1).

NombreProveedor VARCHAR(30 N nombre del proveedor.

Keys

Key Name Key Type Keys PrimaryKey PK3 **IdProveedor Inversion Entry** NombreProveedor IX_NombreProveedo

Storage

Growth Metrics

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

Defaults, Rules and Check Constraints

Column **Type** Name Restriction

Foreign Keys

Parent Relationships:

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

ing

or One edor

Child Relationships:

Table Cardinality Constraint Verb **Foreign Type** Inverse ls Name Phrase **Subtype** Name **Phrase** Keys

Compras Identify One To NO

ing Zero or

More

DDL Code

```
CREATE TABLE Proveedores (
   IdProveedor INT NOT NULL,
   NombreProveedor VARCHAR(30) NOT NULL,
   PRIMARY KEY (IdProveedor),
   CONSTRAINT RefPersonas30 FOREIGN KEY (IdProveedor)
   REFERENCES Personas (IdPersonas)
)
;
```

IdProveedor

Table Name

Column Name IdProveedor

Attribute Name IdPersona IdPersona

Name

Role Name IdProveedor

Physical Only NO

Domain

Primary Key YES Foreign Key YES

Parent Table Personas

Proveedores

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).

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

NombreProveedor

Column Name NombreProveedor **Table Name Proveedores Attribute Name** NombreProveedor **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 NombreProveedor Proveedores **VARCHAR** SVICMySql (MySQL) NombreProveedor Proveedores **VARCHAR 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

on Logic

Transformati

Transformation Description

Direct Target Mappings

Columns

Columns Transformati Transformation Description

on Logic

Definition

nombre del proveedor.

Note

nombre del proveedor.

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

Roles

Table Name

Roles

Owner Name

INNODB Table Type Physical Only NO **Primary Keys** IdRol

Definition

Tabla del sistema que almacena los roles de los empleados de la

tienda de venta de insumos.

Notes

Tabla del sistema que almacena los roles de los empleados de la

tienda de venta de insumos.

PreSQL

PostSQL

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Roles

Rule Text/Value

Where Used - Model Usage

Model

Logical Entity Name

Denormalization Mappings

Logical

SVICMySql (MySQL) Roles

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

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).
IdCliente	INT	N	Clave primaria de la Tabla Personas (1/1).
IdEmpleado	INT	N	Clave primaria de la Tabla Personas (1/1).
FechaVenta	DATETIME	N	fecha en la cual un empleado vende productos a un clientes.

Keys

Key Name PK10 UI_ldVenta	Key Type PrimaryKey Alternate Key	Keys IdVenta, IdCliente, IdEmpleado IdVenta
IX_FechaVenta	Inversion Entry	FechaVenta
6 4		

Storage

Growth Metrics

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

Defaults, Rules and Check Constraints

Column	ıype	Name	Restriction	
Foreign Keys				

Parent Relationships:

Table Name	Туре	Cardinality	Constraint Name	Verb Phrase	Inverse Phrase	Foreign Keys	ls Supertype
Clientes	Identify ing	One To Zero or More				IdClient e	NO
Empleado s	Identify ing	One To Zero or More				IdEmple ado	NO
Child Relati	onshins:						

Child Relationships:

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

NO

DDL Code

```
CREATE TABLE Ventas (

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

IdVenta

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

IdPersona

Name Role Name

IdCliente

Physical Only

NO

Domain

Primary Key YES Foreign Key YES

Parent Table

Clientes

Security Properties

Name

Current Value

Bound Attachments

Name

Current Value

Data Movement Rules

Name

Type

Rule Text/Value

Where Used

Model 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).

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

IdEmpleado

Column Name IdEmpleado **Attribute Name** IdPersona

Logical Role

Name

Role Name Physical Only

Domain

Primary Key YES Foreign Key YES

IdEmpleado

IdPersona

NO

Parent Table

Table Name

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 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

Transformati Columns 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

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

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

INNODB Table Type **Physical Only** NO

Primary Keys IdVenta,IdProducto,IdRubro,IdCliente,IdEmpleado

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

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 VentasProductos SVICMySql (MySQL) VentasProductos

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	N	Clave primaria de la Tabla Ventas (1/3).Clave primaria de la
				Tabla VentasProductos (1/5).
IdProducto		INT	N	Clave primaria de la Tabla Productos (1/2). Clave primaria de la Tabla VentasProductos (2/5).
IdRubro		TINYINT	N	
IdCliente		INT	N	
IdEmpleado		INT	N	, ,
PrecioVenta		DECIMAL(12, 2)	N	precio unitario del producto cuando se llevó a cabo la venta.
CantidadVenta		SMALLINT	N	cantidad de un producto que es vende.
Descuento		DECIMAL(12, 2)	N	es el descuento que se le hace por venta de un producto.
Keys				
Key Name PK15	Key Type PrimaryKey	Keys IdVenta, IdPro IdEmpleado	ducto	, IdRubro, IdCliente,
Storage				

Growth Metrics

Current Row Count Table Growth

0 Static Growth Type N/A
Growth Period N/A
Maximum Rows 0

Defaults, Rules and Check Constraints

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

Foreign Keys

Parent Relationships:

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

DDL Code

```
CREATE TABLE VentasProductos(
   IdVenta BIGINT
                                      NOT NULL,
    IdProducto
                                     NOT NULL,
    IdRubro
                   TINYINT
                                     NOT NULL,
    IdCliente
                   INT
                                     NOT NULL,
                   INT
    IdEmpleado
                                      NOT NULL,
                DECIMAL(12, 2)
    PrecioVenta
                                      NOT NULL,
   CantidadVenta SMALLINT
Descuento DECIMAL(12, 2)
                                      NOT NULL,
                                     NOT NULL,
    PRIMARY KEY (IdVenta, IdProducto, IdRubro, IdCliente,
IdEmpleado),
    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

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 Reference Value

IdProducto

VentasProductos

Column Name IdProducto Table Name Attribute Name IdProducto

Logical Role

Name Role Name

Physical Only NO

Domain

Primary Key YES

Foreign Key YES Parent Table

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdProductoVentasProductosINTEGERSVICMySql (MySQL)IdProductoVentasProductosINT

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 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	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 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

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

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 IdPersona **Table Name**

VentasProductos

Logical Role 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).

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

IdEmpleado

Column Name IdEmpleado Attribute Name IdPersona

Attribute Name IdPersona Logical Role IdPersona

Name

Role Name

ldEmpleado NO

Physical Only

Domain Primary Key

Primary Key YES Foreign Key YES **Table Name**

VentasProductos

Parent Table

Ventas

Security Properties

Name Current Value

Bound Attachments

Name Current Value

Data Movement Rules

Name Type Rule Text/Value

Where Used

ModelNameBase EntityDatatypeLogicalIdEmpleadoVentasProductosINTEGERSVICMySql (MySQL)IdEmpleadoVentasProductosINT

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

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 **DECIMAL** SVICMySql (MySQL) PrecioVenta VentasProductos **DECIMAL User-Defined Mappings** Model Name **Base Entity** Description **Datatype Direct Source Mappings Columns Transformati Transformation Description** on Logic

Transformati

Transformati

on Logic

on Logic

Transformation Description

Transformation Description

Secondary Source Mappings

Direct Target Mappings

Columns

Columns

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

Data Type DECIMAL(12, 2) Width 12 Scale 2

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 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 EntityDatatypeLogicalDescuentoVentasProductosDECIMALSVICMySql (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

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(12, 2) Width 12 Scale 2

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
Compras	PK8	NO	YES
Compras	UI_IdCompra	NO	YES
Compras	IX_FechaCompra	NO	NO
ComprasProductos	PK14	NO	YES
Empleados	PK4	NO	YES
Empleados	UI_Usuario	NO	YES
Personas	PK2	NO	YES
PersonasFisicas	IX_ApellidosNombres	NO	NO
PersonasFisicas	PK18	NO	YES
Productos	UI_NombreProducto	NO	YES
Productos	PK11	NO	YES
Productos	UI_IdProducto	NO	YES
Proveedores	PK3	NO	YES
Proveedores	IX_NombreProveedor	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
VentasProductos	PK15	NO	YES

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)
:
```

PK8

Index Name PK8 **Table Name** Compras **Physical Only** NO Fulltext NO

Index Type PrimaryKey

YES

Unique Index Keys IdCompra,IdProveedor,IdEmpleado

Bound Attachments

Name	Current Value	
Index Keys		
Index Key IdCompra IdProveedor IdEmpleado	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)
;

Index Name PK14

Table Name ComprasProductos

Physical Only NO Fulltext NO

Index Type PrimaryKey

Unique YES

Index Keys IdCompra,IdProducto,IdRubro,IdProveedor,IdEmpleado

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

Index Name PK4

Table Name Empleados

Physical Only Fulltext NO. NO

Index Type PrimaryKey

YES

Unique Index Keys IdEmpleado

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)
;

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_ApellidosNombres

Index NameIX_ApellidosNombresTable NamePersonasFisicas

Physical Only NO Fulltext NO Index Type Index Unique NO

Index Keys Apellidos, Nombres

Name	Current Value	
Index Keys		
Index Key Apellidos Nombres	Sort Order	
DDL Code		

```
CREATE INDEX IX_ApellidosNombres ON PersonasFisicas(Apellidos,
Nombres)
```

Index Name PK18

Table Name PersonasFisicas

Physical Only NO Fulltext NO

Index Type PrimaryKey

YES

Unique Index Keys IdPersonaFisica

Bound Attachments

Name **Current Value**

Index Keys

Index Key **Sort Order**

IdPersonaFisica

DDL Code

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 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)

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		

IX_NombreProveedor

Index Name IX_NombreProveedor

Table Name Proveedores

Physical Only NO
Fulltext NO
Index Type Index
Unique NO

Index Keys NombreProveedor

Bound Attachments

Name Current Value

Index Keys

Index Key Sort Order

NombreProveedor

DDL Code

CREATE INDEX IX_NombreProveedor ON Proveedores(NombreProveedor);

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)
;
```

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)
;

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 Name PK15

 Table Name
 VentasProductos

Physical Only NO Fulltext NO

Index Type PrimaryKey

Unique YES

Index Keys IdVenta,IdProducto,IdRubro,IdCliente,IdEmpleado

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

Foreign Key Summary Report

Parent Table	Child Table	Туре	No. of Keys
Compras	ComprasProductos	Identifying	3
Productos	ComprasProductos	Identifying	2
Ventas	VentasProductos	Identifying	3
Productos	VentasProductos	Identifying	2
Rubros	Productos	Identifying	1
Personas	Proveedores	Identifying	1
Proveedores	Compras	Identifying	1
Empleados	Compras	Identifying	1
Roles	Empleados	Non-Identifying	1
Clientes	Ventas	Identifying	1
Empleados	Ventas	Identifying	1
PersonasFisicas	Clientes	Identifying	1
PersonasFisicas	Empleados	Identifying	1
Personas	PersonasFisicas	Identifying	1

Foreign Key Detail Reports

Foreign Key: Compras to Compras Productos

Name Name

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

Child Table Compras 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 KeyIdCompraIdCompraIdProveedorIdProveedorIdEmpleadoIdEmpleado

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

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: 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: PersonasFisicas to Clientes

Name Name

Type Identifying
Do Not Generate False
Physical Only NO

Parent Table Personas Fisicas

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 IdPersonaFisica Child Key IdCliente

Trigger Templates

Trigger Event Trigger Action

Foreign Key: PersonasFisicas to Empleados

Name Name

Type Identifying
Do Not Generate False
Physical Only NO

Parent Table Personas Fisicas
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 IdPersonaFisica Child Key IdEmpleado

Trigger Templates

Trigger Event Trigger Action

Foreign Key: Personas to Personas Fisicas

Name Name

Type Identifying

Do Not Generate False

Physical Only NO

Parent Table Personas

Child Table PersonasFisicas

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 IdPersonaFisica

Trigger Templates

Trigger Event Trigger Action

Shape Summary Report

Name	Туре
Estado(Productos, Rubros)	Note
EstadoPersona	Note

Shape Detail Report

Estado(Productos, Rubros)

Name Estado(Productos,Rubros)

Type Note

Text

Estado(Productos, Rubros)

A: Activo. I: Inactivo.

Bound Attachments

Name Current Value

EstadoPersona

Name EstadoPersona

Type Note

Text

Estado(Personas) A: Activa.

I: Inactiva.

Bound Attachments

Name **Current Value**

Data Flow Summary Report

Name Transformations Components