

Sample Dataedo documentation

Data warehouse

















Documentation

2017-09-01

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Legend


-  Primary key
-  Primary key disabled
-  User-defined primary key
-  Unique key
-  Unique key disabled
-  User-defined unique key
-  Active trigger
-  Disabled trigger
-  Primary key relation
-  User-defined primary key relation
-  Foreign key relation
-  User-defined foreign key relation
-  Input
-  Output
-  Input/Output
-  Nullable

1. Dimensions


1.1. Tables

1.1.1. Table: dbo.DimAccount



Columns

	Name	Data type	N	Description / Attributes
	AccountKey	int		Identity / Auto increment column
	ParentAccountKey	int	N	
	AccountCodeAlternateKey	int	N	
	ParentAccountCodeAlternateKey	int	N	
	AccountDescription	nvarchar(50)	N	
	AccountType	nvarchar(50)	N	
	Operator	nvarchar(50)	N	
	CustomMembers	nvarchar(300)	N	
	ValueType	nvarchar(50)	N	
	CustomMemberOptions	nvarchar(200)	N	



Links to

	Table	Join	Title / Name / Description
	dbo.DimAccount	dbo.DimAccount .ParentAccountKey = dbo.DimAccount.AccountKey	FK_DimAccount_DimAccount



Linked from

	Table	Join	Title / Name / Description
	dbo.DimAccount	dbo.DimAccount .AccountKey = dbo.DimAccount.ParentAccountKey	FK_DimAccount_DimAccount
	dbo.FactFinance	dbo.DimAccount .AccountKey = dbo.FactFinance.AccountKey	FK_FactFinance_DimAccount




Unique keys

	Columns	Name / Description
	AccountKey	PK_DimAccount Table Primary Key / ID
	AccountCodeAlternateKey	AK_DimAccount_AccountCodeAlternateKey Business Key

Uses


	Name
	dbo.DimAccount
	dbo.DimAccount

Used by





Name
 dbo.DimAccount
 dbo.DimAccount
 dbo.FactFinance

1.1.2. Table: dbo.DimCurrency



Columns

Name	Data type	N	Description / Attributes
 CurrencyKey	int		Identity / Auto increment column
CurrencyAlternateKey	nchar(3)		
CurrencyName	nvarchar(50)		






Linked from

Table	Join	Title / Name / Description
 dbo.DimOrganization	dbo.DimCurrency.CurrencyKey = dbo.DimOrganization.CurrencyKey	FK_DimOrganization_DimCurrency
 dbo.FactCurrencyRate	dbo.DimCurrency.CurrencyKey = dbo.FactCurrencyRate.CurrencyKey	FK_FactCurrencyRate_DimCurrency
 dbo.FactInternetSales	dbo.DimCurrency.CurrencyKey = dbo.FactInternetSales.CurrencyKey	FK_FactInternetSales_DimCurrency
 dbo.FactResellerSales	dbo.DimCurrency.CurrencyKey = dbo.FactResellerSales.CurrencyKey	FK_FactResellerSales_DimCurrency

Unique keys


Columns	Name / Description
 CurrencyKey	PK_DimCurrency_CurrencyKey Table Primary Key / ID
 CurrencyAlternateKey	AK_DimCurrency_CurrencyAlternateKey Business Key

Used by

Name
 dbo.DimCurrency
 dbo.DimOrganization
 dbo.FactCurrencyRate
 dbo.FactInternetSales
 dbo.FactResellerSales

1.1.3. Table: dbo.DimCustomer

Columns

Name	Data type	N	Description / Attributes
 CustomerKey	int		Identity / Auto increment column

Name	Data type	N	Description / Attributes
GeographyKey	int	<i>N</i>	
CustomerAlternateKey	nvarchar(15)		
Title	nvarchar(8)	<i>N</i>	
FirstName	nvarchar(50)	<i>N</i>	
MiddleName	nvarchar(50)	<i>N</i>	
LastName	nvarchar(50)	<i>N</i>	
NameStyle	bit	<i>N</i>	
BirthDate	date	<i>N</i>	
MaritalStatus	nchar(1)	<i>N</i>	
Suffix	nvarchar(10)	<i>N</i>	
Gender	nvarchar(1)	<i>N</i>	
EmailAddress	nvarchar(50)	<i>N</i>	
YearlyIncome	money	<i>N</i>	
TotalChildren	tinyint	<i>N</i>	
NumberChildrenAtHome	tinyint	<i>N</i>	
EnglishEducation	nvarchar(40)	<i>N</i>	
SpanishEducation	nvarchar(40)	<i>N</i>	
FrenchEducation	nvarchar(40)	<i>N</i>	
EnglishOccupation	nvarchar(100)	<i>N</i>	
SpanishOccupation	nvarchar(100)	<i>N</i>	
FrenchOccupation	nvarchar(100)	<i>N</i>	
HouseOwnerFlag	nchar(1)	<i>N</i>	
NumberCarsOwned	tinyint	<i>N</i>	
AddressLine1	nvarchar(120)	<i>N</i>	
AddressLine2	nvarchar(120)	<i>N</i>	
Phone	nvarchar(20)	<i>N</i>	
DateFirstPurchase	date	<i>N</i>	
CommuteDistance	nvarchar(15)	<i>N</i>	



Links to

Table	Join	Title / Name / Description
➤ dbo.DimGeography	dbo.DimCustomer .GeographyKey = dbo.DimGeography.GeographyKey	FK_DimCustomer_DimGeography



Linked from

Table	Join	Title / Name / Description
⬅️ dbo.FactInternetSales	dbo.DimCustomer .CustomerKey = dbo.FactInternetSales.CustomerKey	FK_FactInternetSales_DimCustomer
⬅️ dbo.FactSurveyResponse	dbo.DimCustomer .CustomerKey = dbo.FactSurveyResponse.CustomerKey	FK_FactSurveyResponse_CustomerKey






Unique keys

Columns		Name / Description
 CustomerKey		PK_DimCustomer_CustomerKey Table Primary Key / ID
 CustomerAlternateKey		IX_DimCustomer_CustomerAlternateKey Business Key

Uses


Name
 dbo.DimCustomer
 dbo.DimGeography

Used by

Name
 dbo.DimCustomer
 dbo.vDMPrep
 dbo.vTargetMail
 dbo.FactInternetSales
 dbo.FactSurveyResponse

1.1.4. Table: dbo.DimDate

Columns



Name	Data type	N	Description / Attributes
 DateKey	int		
FullDateAlternateKey	date		
DayNumberOfWeek	tinyint		
EnglishDayNameOfWeek	nvarchar(10)		
SpanishDayNameOfWeek	nvarchar(10)		
FrenchDayNameOfWeek	nvarchar(10)		
DayNumberOfMonth	tinyint		
DayNumberOfYear	smallint		
WeekNumberOfYear	tinyint		
EnglishMonthName	nvarchar(10)		
SpanishMonthName	nvarchar(10)		
FrenchMonthName	nvarchar(10)		
MonthNumberOfYear	tinyint		
CalendarQuarter	tinyint		
CalendarYear	smallint		
CalendarSemester	tinyint		
FiscalQuarter	tinyint		
FiscalYear	smallint		

Name	Data type	N	Description / Attributes
FiscalSemester	tinyint		









Linked from







Table	Join	Title / Name / Description
← dbo.FactCallCenter	dbo.DimDate.DateKey = dbo.FactCallCenter.DateKey	FK_FactCallCenter_DimDate
← dbo.FactCurrencyRate	dbo.DimDate.DateKey = dbo.FactCurrencyRate.DateKey	FK_FactCurrencyRate_DimDate
← dbo.FactFinance	dbo.DimDate.DateKey = dbo.FactFinance.DateKey	FK_FactFinance_DimDate
← dbo.FactInternetSales	dbo.DimDate.DateKey = dbo.FactInternetSales.OrderDateKey	Order Data FK_FactInternetSales_DimDate
← dbo.FactInternetSales	dbo.DimDate.DateKey = dbo.FactInternetSales.DueDateKey	Due Date FK_FactInternetSales_DimDate1
← dbo.FactInternetSales	dbo.DimDate.DateKey = dbo.FactInternetSales.ShipDateKey	Ship Date FK_FactInternetSales_DimDate2
← dbo.FactProductInventory	dbo.DimDate.DateKey = dbo.FactProductInventory.DateKey	FK_FactProductInventory_DimDate
← dbo.FactResellerSales	dbo.DimDate.DateKey = dbo.FactResellerSales.OrderDateKey	Order Date FK_FactResellerSales_DimDate
← dbo.FactResellerSales	dbo.DimDate.DateKey = dbo.FactResellerSales.DueDateKey	Due Date FK_FactResellerSales_DimDate1
← dbo.FactResellerSales	dbo.DimDate.DateKey = dbo.FactResellerSales.ShipDateKey	Ship Date FK_FactResellerSales_DimDate2
← dbo.FactSalesQuota	dbo.DimDate.DateKey = dbo.FactSalesQuota.DateKey	FK_FactSalesQuota_DimDate
← dbo.FactSurveyResponse	dbo.DimDate.DateKey = dbo.FactSurveyResponse.DateKey	FK_FactSurveyResponse_DateKey

Unique keys

Columns	Name / Description
 DateKey	PK_DimDate_DateKey Table Primary Key / ID
 FullDateAlternateKey	AK_DimDate_FullDateAlternateKey Business Key


Used by

Name
 dbo.DimDate
 dbo.vDMPrep
 dbo.FactCallCenter
 dbo.FactCurrencyRate
 dbo.FactFinance
 dbo.FactInternetSales (Due Date)
 dbo.FactInternetSales (Order Data)
 dbo.FactInternetSales (Ship Date)


Name
 dbo.FactProductInventory
 dbo.FactResellerSales (Due Date)
 dbo.FactResellerSales (Order Date)
 dbo.FactResellerSales (Ship Date)
 dbo.FactSalesQuota
 dbo.FactSurveyResponse

1.1.5. Table: dbo.DimDepartmentGroup



Columns

Name	Data type	N	Description / Attributes
 DepartmentGroupKey	int		Identity / Auto increment column
ParentDepartmentGroupKey	int	<i>N</i>	
DepartmentGroupName	nvarchar(50)	<i>N</i>	

Links to

Table	Join	Title / Name / Description
 dbo.DimDepartmentGroup	dbo.DimDepartmentGroup .ParentDepartmentGroupKey = dbo.DimDepartmentGroup.DepartmentGroupKey	FK_DimDepartmentGroup_DimDepartmentGroup



Linked from

Table	Join	Title / Name / Description
 dbo.DimDepartmentGroup	dbo.DimDepartmentGroup .DepartmentGroupKey = dbo.DimDepartmentGroup.ParentDepartmentGroupKey	FK_DimDepartmentGroup_DimDepartmentGroup
 dbo.FactFinance	dbo.DimDepartmentGroup .DepartmentGroupKey = dbo.FactFinance.DepartmentGroupKey	FK_FactFinance_DimDepartmentGroup


Unique keys



Columns	Name / Description
 DepartmentGroupKey	PK_DimDepartmentGroup Table Primary Key / ID

Uses

Name
 dbo.DimDepartmentGroup
 dbo.DimDepartmentGroup


Used by

Name
 dbo.DimDepartmentGroup

Name
 dbo.DimDepartmentGroup
 dbo.FactFinance

1.1.6. Table: dbo.DimEmployee

Columns

	Name	Data type	N	Description / Attributes
	EmployeeKey	int		Identity / Auto increment column
	ParentEmployeeKey	int	<i>N</i>	
	EmployeeNationalIDAlternateKey	nvarchar(15)	<i>N</i>	
	ParentEmployeeNationalIDAlternateKey	nvarchar(15)	<i>N</i>	
	SalesTerritoryKey	int	<i>N</i>	
	FirstName	nvarchar(50)		
	LastName	nvarchar(50)		
	MiddleName	nvarchar(50)	<i>N</i>	
	NameStyle	bit		
	Title	nvarchar(50)	<i>N</i>	
	HireDate	date	<i>N</i>	
	BirthDate	date	<i>N</i>	
	LoginID	nvarchar(256)	<i>N</i>	
	EmailAddress	nvarchar(50)	<i>N</i>	
	Phone	nvarchar(25)	<i>N</i>	
	MaritalStatus	nchar(1)	<i>N</i>	
	EmergencyContactName	nvarchar(50)	<i>N</i>	
	EmergencyContactPhone	nvarchar(25)	<i>N</i>	
	SalariedFlag	bit	<i>N</i>	
	Gender	nchar(1)	<i>N</i>	
	PayFrequency	tinyint	<i>N</i>	
	BaseRate	money	<i>N</i>	
	VacationHours	smallint	<i>N</i>	
	SickLeaveHours	smallint	<i>N</i>	
	CurrentFlag	bit		
	SalesPersonFlag	bit		
	DepartmentName	nvarchar(50)	<i>N</i>	
	StartDate	date	<i>N</i>	
	EndDate	date	<i>N</i>	
	Status	nvarchar(50)	<i>N</i>	
	EmployeePhoto	varbinary(MAX)	<i>N</i>	

Links to

	Table	Join	Title / Name / Description
➤	dbo.DimEmployee	dbo.DimEmployee .ParentEmployeeKey = dbo.DimEmployee.EmployeeKey	FK_DimEmployee_DimEmployee
➤	dbo.DimSalesTerritory	dbo.DimEmployee .SalesTerritoryKey = dbo.DimSalesTerritory.SalesTerritoryKey	FK_DimEmployee_DimSalesTerritory

Linked from

	Table	Join	Title / Name / Description
⬅	dbo.DimEmployee	dbo.DimEmployee .EmployeeKey = dbo.DimEmployee.ParentEmployeeKey	FK_DimEmployee_DimEmployee
⬅	dbo.FactResellerSales	dbo.DimEmployee .EmployeeKey = dbo.FactResellerSales.EmployeeKey	FK_FactResellerSales_DimEmployee
⬅	dbo.FactSalesQuota	dbo.DimEmployee .EmployeeKey = dbo.FactSalesQuota.EmployeeKey	FK_FactSalesQuota_DimEmployee

Unique keys

	Columns	Name / Description
🔑	EmployeeKey	PK_DimEmployee_EmployeeKey Table Primary Key / ID

Uses

	Name
📊	dbo.DimEmployee
📊	dbo.DimEmployee
📊	dbo.DimSalesTerritory

Used by

	Name
📊	dbo.DimEmployee
📊	dbo.DimEmployee
📊	dbo.FactResellerSales
📊	dbo.FactSalesQuota

1.1.7. Table: dbo.DimGeography

Columns

	Name	Data type	N	Description / Attributes
🔑	GeographyKey	int		Identity / Auto increment column
	City	nvarchar(30)	<i>N</i>	
	StateProvinceCode	nvarchar(3)	<i>N</i>	
	StateProvinceName	nvarchar(50)	<i>N</i>	
	CountryRegionCode	nvarchar(3)	<i>N</i>	
	EnglishCountryRegionName	nvarchar(50)	<i>N</i>	

Name	Data type	N	Description / Attributes
SpanishCountryRegionName	nvarchar(50)	<i>N</i>	
FrenchCountryRegionName	nvarchar(50)	<i>N</i>	
PostalCode	nvarchar(15)	<i>N</i>	
SalesTerritoryKey	int	<i>N</i>	
IpAddressLocator	nvarchar(15)	<i>N</i>	

Links to

Table	Join	Title / Name / Description
➤ <code>dbo.DimSalesTerritory</code>	<code>dbo.DimGeography.SalesTerritoryKey = dbo.DimSalesTerritory.SalesTerritoryKey</code>	FK_DimGeography_DimSalesTerritory

Linked from

Table	Join	Title / Name / Description
⬅ <code>dbo.DimCustomer</code>	<code>dbo.DimGeography.GeographyKey = dbo.DimCustomer.GeographyKey</code>	FK_DimCustomer_DimGeography
⬅ <code>dbo.DimReseller</code>	<code>dbo.DimGeography.GeographyKey = dbo.DimReseller.GeographyKey</code>	FK_DimReseller_DimGeography

Unique keys

Columns	Name / Description
🔑 GeographyKey	PK_DimGeography_GeographyKey Table Primary Key / ID

Uses

Name
📄 <code>dbo.DimGeography</code>
📄 <code>dbo.DimSalesTerritory</code>

Used by

Name
📄 <code>dbo.DimGeography</code>
📄 <code>dbo.vDMPrep</code>
📄 <code>dbo.DimCustomer</code>
📄 <code>dbo.DimReseller</code>

1.1.8. Table: `dbo.DimOrganization`

Columns

Name	Data type	N	Description / Attributes
🔑 OrganizationKey	int		Identity / Auto increment column
ParentOrganizationKey	int	<i>N</i>	
PercentageOfOwnership	nvarchar(16)	<i>N</i>	
OrganizationName	nvarchar(50)	<i>N</i>	

Name	Data type	N	Description / Attributes
CurrencyKey	int	<i>N</i>	

Links to

Table	Join	Title / Name / Description
➤ dbo.DimCurrency	dbo.DimOrganization.CurrencyKey = dbo.DimCurrency.CurrencyKey	FK_DimOrganization_DimCurrency
➤ dbo.DimOrganization	dbo.DimOrganization.ParentOrganizationKey = dbo.DimOrganization.OrganizationKey	FK_DimOrganization_DimOrganization

Linked from

Table	Join	Title / Name / Description
⬅️ dbo.DimOrganization	dbo.DimOrganization.OrganizationKey = dbo.DimOrganization.ParentOrganizationKey	FK_DimOrganization_DimOrganization
⬅️ dbo.FactFinance	dbo.DimOrganization.OrganizationKey = dbo.FactFinance.OrganizationKey	FK_FactFinance_DimOrganization

Unique keys

Columns	Name / Description
🔑 OrganizationKey	PK_DimOrganization Table Primary Key / ID

Uses

Name
📊 dbo.DimOrganization
📊 dbo.DimCurrency
📊 dbo.DimOrganization

Used by

Name
📊 dbo.DimOrganization
📊 dbo.DimOrganization
📊 dbo.FactFinance

1.1.9. Table: dbo.DimProduct

Columns



Name	Data type	N	Description / Attributes
🔑 ProductKey	int		Identity / Auto increment column
ProductAlternateKey	nvarchar(25)	<i>N</i>	
ProductSubcategoryKey	int	<i>N</i>	
WeightUnitMeasureCode	nchar(3)	<i>N</i>	
SizeUnitMeasureCode	nchar(3)	<i>N</i>	

Name	Data type	N	Description / Attributes
EnglishProductName	nvarchar(50)		
SpanishProductName	nvarchar(50)		
FrenchProductName	nvarchar(50)		
StandardCost	money	<i>N</i>	
FinishedGoodsFlag	bit		
Color	nvarchar(15)		
SafetyStockLevel	smallint	<i>N</i>	
ReorderPoint	smallint	<i>N</i>	
ListPrice	money	<i>N</i>	
Size	nvarchar(50)	<i>N</i>	
SizeRange	nvarchar(50)	<i>N</i>	
Weight	float	<i>N</i>	
DaysToManufacture	int	<i>N</i>	
ProductLine	nchar(2)	<i>N</i>	
DealerPrice	money	<i>N</i>	
Class	nchar(2)	<i>N</i>	
Style	nchar(2)	<i>N</i>	
ModelName	nvarchar(50)	<i>N</i>	
LargePhoto	varbinary(MAX)	<i>N</i>	
EnglishDescription	nvarchar(400)	<i>N</i>	
FrenchDescription	nvarchar(400)	<i>N</i>	
ChineseDescription	nvarchar(400)	<i>N</i>	
ArabicDescription	nvarchar(400)	<i>N</i>	
HebrewDescription	nvarchar(400)	<i>N</i>	
ThaiDescription	nvarchar(400)	<i>N</i>	
GermanDescription	nvarchar(400)	<i>N</i>	
JapaneseDescription	nvarchar(400)	<i>N</i>	
TurkishDescription	nvarchar(400)	<i>N</i>	
StartDate	datetime	<i>N</i>	
EndDate	datetime	<i>N</i>	
Status	nvarchar(7)	<i>N</i>	



Links to

Table	Join	Title / Name / Description
➤ <code>dbo.DimProductSubcategory</code>	<code>dbo.DimProduct.ProductSubcategoryKey = dbo.DimProductSubcategory.ProductSubcategoryKey</code>	<code>FK_DimProduct_DimProductSubcategory</code>



Linked from

Table	Join	Title / Name / Description
 dbo.FactAdditionalInternationalProductDescription	dbo.DimProduct.ProductKey = dbo.FactAdditionalInternationalProductDescription.ProductKey	User-defined relation
 dbo.FactInternetSales	dbo.DimProduct.ProductKey = dbo.FactInternetSales.ProductKey	FK_FactInternetSales_DimProduct
 dbo.FactProductInventory	dbo.DimProduct.ProductKey = dbo.FactProductInventory.ProductKey	FK_FactProductInventory_DimProduct
 dbo.FactResellerSales	dbo.DimProduct.ProductKey = dbo.FactResellerSales.ProductKey	FK_FactResellerSales_DimProduct







Unique keys

Columns	Name / Description
 ProductKey	PK_DimProduct_ProductKey Table Primary Key / ID
 ProductAlternateKey, StartDate	AK_DimProduct_ProductAlternateKey_StartDate Business Key

Uses


Name
 dbo.DimProduct
 dbo.DimProductSubcategory

Used by

Name
 dbo.DimProduct
 dbo.vDMPrep
 dbo.FactAdditionalInternationalProductDescription
 dbo.FactInternetSales
 dbo.FactProductInventory
 dbo.FactResellerSales

1.1.10. Table: dbo.DimProductCategory

Columns

Name	Data type	N	Description / Attributes
 ProductCategoryKey	int		Identity / Auto increment column
ProductCategoryAlternateKey	int	<i>N</i>	
EnglishProductCategoryName	nvarchar(50)		
SpanishProductCategoryName	nvarchar(50)		
FrenchProductCategoryName	nvarchar(50)		

Linked from

	Table	Join	Title / Name / Description
←	dbo.DimProductSubcategory	dbo.DimProductCategory .ProductCategoryKey = dbo.DimProductSubcategory.ProductCategoryKey	FK_DimProductSubcategory_DimProductCategory

Unique keys

	Columns	Name / Description
🔑	ProductCategoryKey	PK_DimProductCategory_ProductCategoryKey Table Primary Key / ID
🔑	ProductCategoryAlternateKey	AK_DimProductCategory_ProductCategoryAlternateKey Business Key

Used by

Name
📊 dbo.DimProductCategory
📄 dbo.vDMPrep
📊 dbo.DimProductSubcategory

1.1.11. Table: dbo.DimProductSubcategory

Columns

	Name	Data type	N	Description / Attributes
🔑	ProductSubcategoryKey	int		Identity / Auto increment column
	ProductSubcategoryAlternateKey	int	<i>N</i>	
	EnglishProductSubcategoryName	nvarchar(50)		
	SpanishProductSubcategoryName	nvarchar(50)		
	FrenchProductSubcategoryName	nvarchar(50)		
	ProductCategoryKey	int	<i>N</i>	



Links to

	Table	Join	Title / Name / Description
➤	dbo.DimProductCategory	dbo.DimProductSubcategory .ProductCategoryKey = dbo.DimProductCategory.ProductCategoryKey	FK_DimProductSubcategory_DimProductCategory



Linked from

	Table	Join	Title / Name / Description
←	dbo.DimProduct	dbo.DimProductSubcategory .ProductSubcategoryKey = dbo.DimProduct.ProductSubcategoryKey	FK_DimProduct_DimProductSubcategory




Unique keys

Columns		Name / Description
 ProductSubcategoryKey		PK_DimProductSubcategory_ProductSubcategoryKey Table Primary Key / ID
 ProductSubcategoryAlternateKey		AK_DimProductSubcategory_ProductSubcategoryAlternateKey Business Key

Uses


Name
 dbo.DimProductSubcategory
 dbo.DimProductCategory

Used by

Name
 dbo.DimProductSubcategory
 dbo.vDMPrep
 dbo.DimProduct

1.1.12. Table: dbo.DimPromotion

Columns

Name	Data type	N	Description / Attributes
 PromotionKey	int		Identity / Auto increment column
PromotionAlternateKey	int	<i>N</i>	
EnglishPromotionName	nvarchar(255)	<i>N</i>	
SpanishPromotionName	nvarchar(255)	<i>N</i>	
FrenchPromotionName	nvarchar(255)	<i>N</i>	
DiscountPct	float	<i>N</i>	
EnglishPromotionType	nvarchar(50)	<i>N</i>	
SpanishPromotionType	nvarchar(50)	<i>N</i>	
FrenchPromotionType	nvarchar(50)	<i>N</i>	
EnglishPromotionCategory	nvarchar(50)	<i>N</i>	
SpanishPromotionCategory	nvarchar(50)	<i>N</i>	
FrenchPromotionCategory	nvarchar(50)	<i>N</i>	
StartDate	datetime		
EndDate	datetime	<i>N</i>	
MinQty	int	<i>N</i>	
MaxQty	int	<i>N</i>	

Linked from







Table	Join	Title / Name / Description
 dbo.FactInternetSales	dbo.DimPromotion.PromotionKey = dbo.FactInternetSales.PromotionKey	FK_FactInternetSales_DimPromotion

Table	Join	Title / Name / Description
← dbo.FactResellerSales	dbo.DimPromotion.PromotionKey = dbo.FactResellerSales.PromotionKey	FK_FactResellerSales_DimPromotion

Unique keys


Columns	Name / Description
 PromotionKey	PK_DimPromotion_PromotionKey Table Primary Key / ID
 PromotionAlternateKey	AK_DimPromotion_PromotionAlternateKey Business Key

Used by

Name
 dbo.DimPromotion
 dbo.FactInternetSales
 dbo.FactResellerSales

1.1.13. Table: dbo.DimReseller

Columns

Name	Data type	N	Description / Attributes
 ResellerKey	int		Identity / Auto increment column
GeographyKey	int	<i>N</i>	
ResellerAlternateKey	nvarchar(15)	<i>N</i>	
Phone	nvarchar(25)	<i>N</i>	
BusinessType	varchar(20)		
ResellerName	nvarchar(50)		
NumberEmployees	int	<i>N</i>	
OrderFrequency	char(1)	<i>N</i>	
OrderMonth	tinyint	<i>N</i>	
FirstOrderYear	int	<i>N</i>	
LastOrderYear	int	<i>N</i>	
ProductLine	nvarchar(50)	<i>N</i>	
AddressLine1	nvarchar(60)	<i>N</i>	
AddressLine2	nvarchar(60)	<i>N</i>	
AnnualSales	money	<i>N</i>	
BankName	nvarchar(50)	<i>N</i>	
MinPaymentType	tinyint	<i>N</i>	
MinPaymentAmount	money	<i>N</i>	
AnnualRevenue	money	<i>N</i>	
YearOpened	int	<i>N</i>	

Links to

	Table	Join	Title / Name / Description
➤	dbo.DimGeography	dbo.DimReseller.GeographyKey = dbo.DimGeography.GeographyKey	FK_DimReseller_DimGeography

Linked from

	Table	Join	Title / Name / Description
⬅	dbo.FactResellerSales	dbo.DimReseller.ResellerKey = dbo.FactResellerSales.ResellerKey	FK_FactResellerSales_DimReseller

Unique keys

	Columns	Name / Description
🔑	ResellerKey	PK_DimReseller_ResellerKey Table Primary Key / ID
🔑	ResellerAlternateKey	AK_DimReseller_ResellerAlternateKey Business Key

Uses

	Name
📊	dbo.DimReseller
📊	dbo.DimGeography

Used by

	Name
📊	dbo.DimReseller
📊	dbo.FactResellerSales

1.1.14. Table: dbo.DimSalesReason

Columns

	Name	Data type	N	Description / Attributes
🔑	SalesReasonKey	int		Identity / Auto increment column
	SalesReasonAlternateKey	int		
	SalesReasonName	nvarchar(50)		
	SalesReasonReasonType	nvarchar(50)		



Linked from

	Table	Join	Title / Name / Description
⬅	dbo.FactInternetSalesReason	dbo.DimSalesReason.SalesReasonKey = dbo.FactInternetSalesReason.SalesReasonKey	FK_FactInternetSalesReason_DimSalesReason

Unique keys


	Columns	Name / Description
🔑	SalesReasonKey	PK_DimSalesReason_SalesReasonKey Table Primary Key / ID

Used by





Name
 dbo.DimSalesReason
 dbo.FactInternetSalesReason

1.1.15. Table: dbo.DimSalesTerritory



Columns

	Name	Data type	N	Description / Attributes
	SalesTerritoryKey	int		Identity / Auto increment column
	SalesTerritoryAlternateKey	int	<i>N</i>	
	SalesTerritoryRegion	nvarchar(50)		
	SalesTerritoryCountry	nvarchar(50)		
	SalesTerritoryGroup	nvarchar(50)	<i>N</i>	
	SalesTerritoryImage	varbinary(MAX)	<i>N</i>	






Linked from


	Table	Join	Title / Name / Description
	dbo.DimEmployee	dbo.DimSalesTerritory.SalesTerritoryKey = dbo.DimEmployee.SalesTerritoryKey	FK_DimEmployee_DimSalesTerritory
	dbo.DimGeography	dbo.DimSalesTerritory.SalesTerritoryKey = dbo.DimGeography.SalesTerritoryKey	FK_DimGeography_DimSalesTerritory
	dbo.FactInternetSales	dbo.DimSalesTerritory.SalesTerritoryKey = dbo.FactInternetSales.SalesTerritoryKey	FK_FactInternetSales_DimSalesTerritory
	dbo.FactResellerSales	dbo.DimSalesTerritory.SalesTerritoryKey = dbo.FactResellerSales.SalesTerritoryKey	FK_FactResellerSales_DimSalesTerritory

Unique keys

	Columns	Name / Description
	SalesTerritoryKey	PK_DimSalesTerritory_SalesTerritoryKey Table Primary Key / ID
	SalesTerritoryAlternateKey	AK_DimSalesTerritory_SalesTerritoryAlternateKey Business Key


Used by

Name
 dbo.DimSalesTerritory
 dbo.vDMPrep
 dbo.DimEmployee
 dbo.DimGeography
 dbo.FactInternetSales


Name
 dbo.FactResellerSales

1.1.16. Table: dbo.DimScenario


Columns

Name	Data type	N	Description / Attributes
 ScenarioKey	int		Identity / Auto increment column
ScenarioName	nvarchar(50)	<i>N</i>	



Linked from

Table	Join	Title / Name / Description
 dbo.FactFinance	dbo.DimScenario.ScenarioKey = dbo.FactFinance.ScenarioKey	FK_FactFinance_DimScenario

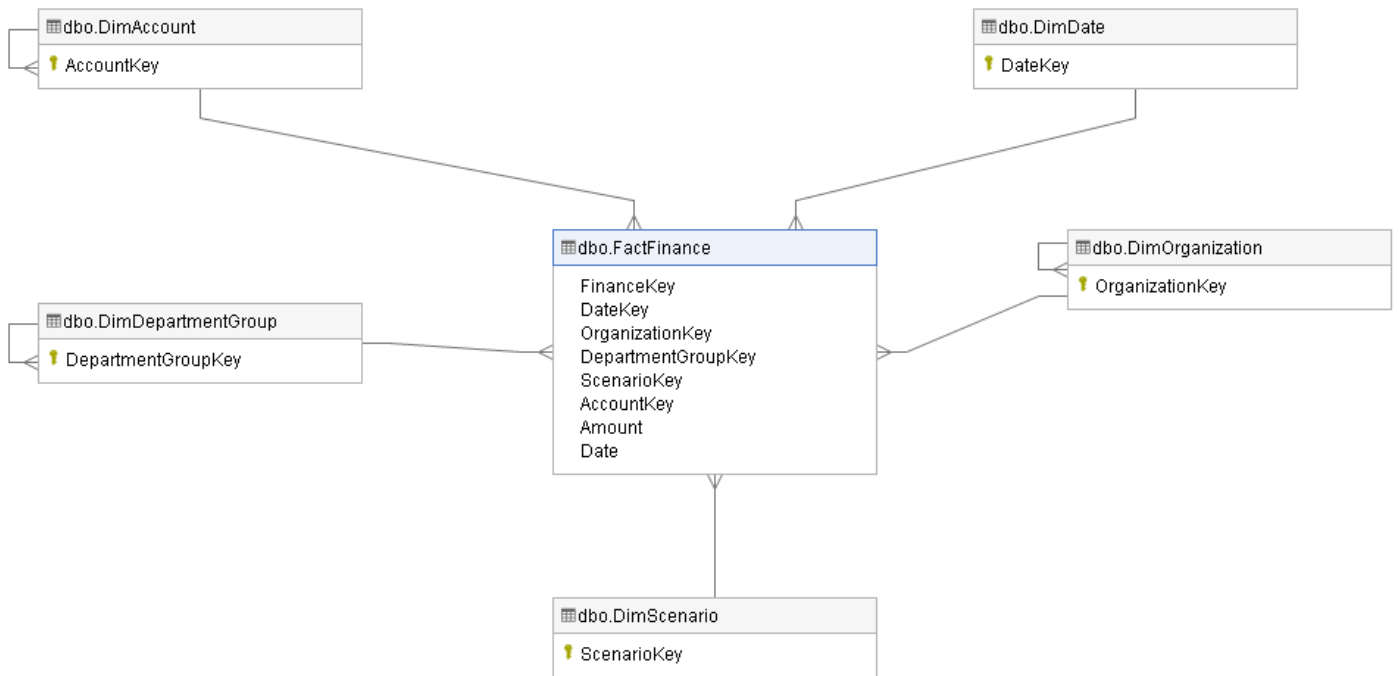
Unique keys

Columns	Name / Description
 ScenarioKey	PK_DimScenario Table Primary Key / ID

Used by

Name
 dbo.DimScenario
 dbo.FactFinance

2. Finance



2.1. Tables

2.1.1. Table: dbo.FactFinance

Columns







Name	Data type	N	Description / Attributes
FinanceKey	int		Identity / Auto increment column
DateKey	int		
OrganizationKey	int		
DepartmentGroupKey	int		
ScenarioKey	int		
AccountKey	int		
Amount	float		
Date	datetime	<i>N</i>	

Links to

Table	Join	Title / Name / Description
➤ dbo.DimAccount	dbo.FactFinance.AccountKey = dbo.DimAccount.AccountKey	FK_FactFinance_DimAccount
➤ dbo.DimDate	dbo.FactFinance.DateKey = dbo.DimDate.DateKey	FK_FactFinance_DimDate
➤ dbo.DimDepartmentGroup	dbo.FactFinance.DepartmentGroupKey = dbo.DimDepartmentGroup.DepartmentGroupKey	FK_FactFinance_DimDepartmentGroup
➤ dbo.DimOrganization	dbo.FactFinance.OrganizationKey = dbo.DimOrganization.OrganizationKey	FK_FactFinance_DimOrganization

	Table	Join	Title / Name / Description
➤	dbo.DimScenario	dbo.FactFinance.ScenarioKey = dbo.DimScenario.ScenarioKey	FK_FactFinance_DimScenario

Uses

Name
 dbo.FactFinance
 dbo.DimAccount
 dbo.DimDate
 dbo.DimDepartmentGroup
 dbo.DimOrganization
 dbo.DimScenario

3. Call Center



Module of the DW holds key metrics of call center performance and is used by **VP Customer Service** to monitor customer behaviour and bottlenecks.

It is used by

- **Customer Service Management Dashboard,**
- some operational reports.

All data is collected by **CRM**.

Owner: VP CS

3.1. Tables

3.1.1. Table: dbo.FactCallCenter

This table holds statistics of call center.

Each row represents a **shift** on a specific **date**.

Columns



	Name	Data type	N	Description / Attributes
🔑	FactCallCenterID	int		DWH row ID Identity / Auto increment column
	DateKey	int		Date of the statistics
	WageType	nvarchar(15)		'holiday' or 'weekday'
	Shift	nvarchar(20)		AM, midnight, PM1, PM2
	LevelOneOperators	smallint		Number of level 1 operations on that shift
	LevelTwoOperators	smallint		Number of level 2 operations on that shift
	TotalOperators	smallint		Total number operations on that shift. Equals level 1 operators + level 2 operators.
	Calls	int		Number calls received on that shift.
	AutomaticResponses	int		Number
	Orders	int		
	IssuesRaised	smallint		

Name	Data type	N	Description / Attributes
AverageTimePerIssue	smallint		
ServiceGrade	float		
Date	datetime	<i>N</i>	



Links to

Table	Join	Title / Name / Description
➤ dbo.DimDate	dbo.FactCallCenter.DateKey = dbo.DimDate.DateKey	FK_FactCallCenter_DimDate

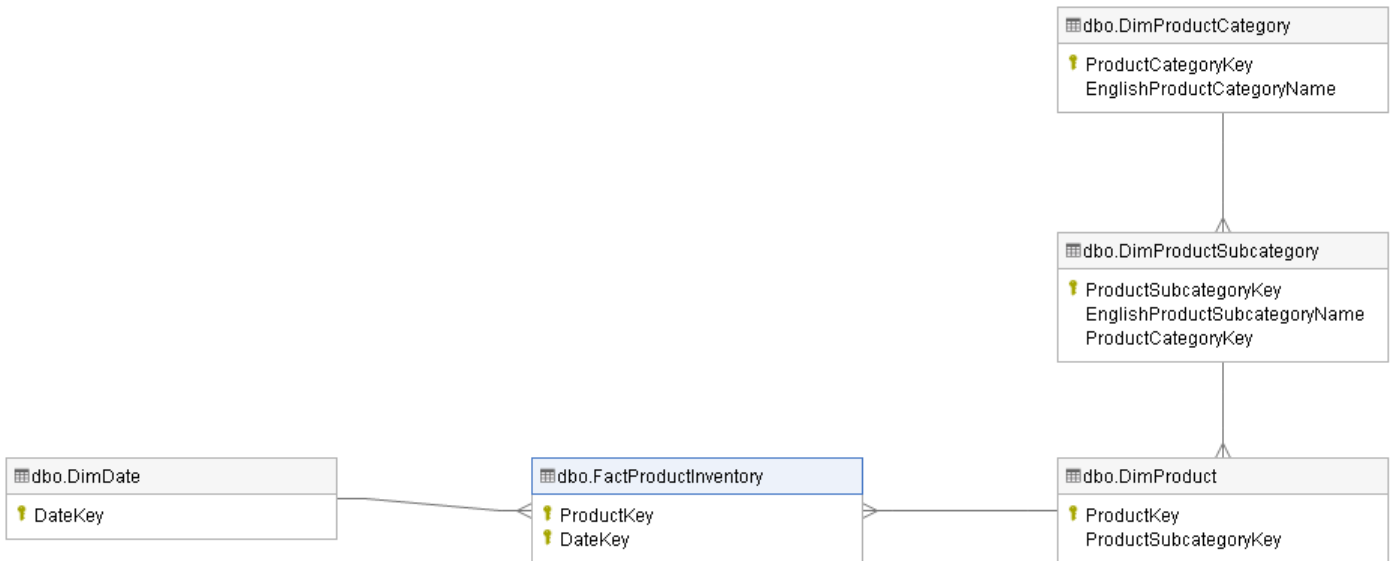
Unique keys

Columns	Name / Description
 FactCallCenterID	PK_FactCallCenter_FactCallCenterID Table Primary Key / ID
 DateKey, Shift	AK_FactCallCenter_DateKey_Shift Business Key

Uses

Name
 dbo.FactCallCenter
 dbo.DimDate

4. Inventory



4.1. Tables

4.1.1. Table: dbo.FactProductInventory

Columns

	Name	Data type	N	Description / Attributes
🔑	ProductKey	int		
🔑	DateKey	int		
	MovementDate	date		
	UnitCost	money		
	UnitsIn	int		
	UnitsOut	int		
	UnitsBalance	int		




Links to

	Table	Join	Title / Name / Description
➤	dbo.DimDate	dbo.FactProductInventory .DateKey = dbo.DimDate.DateKey	FK_FactProductInventory_DimDate
➤	dbo.DimProduct	dbo.FactProductInventory .ProductKey = dbo.DimProduct.ProductKey	FK_FactProductInventory_DimProduct

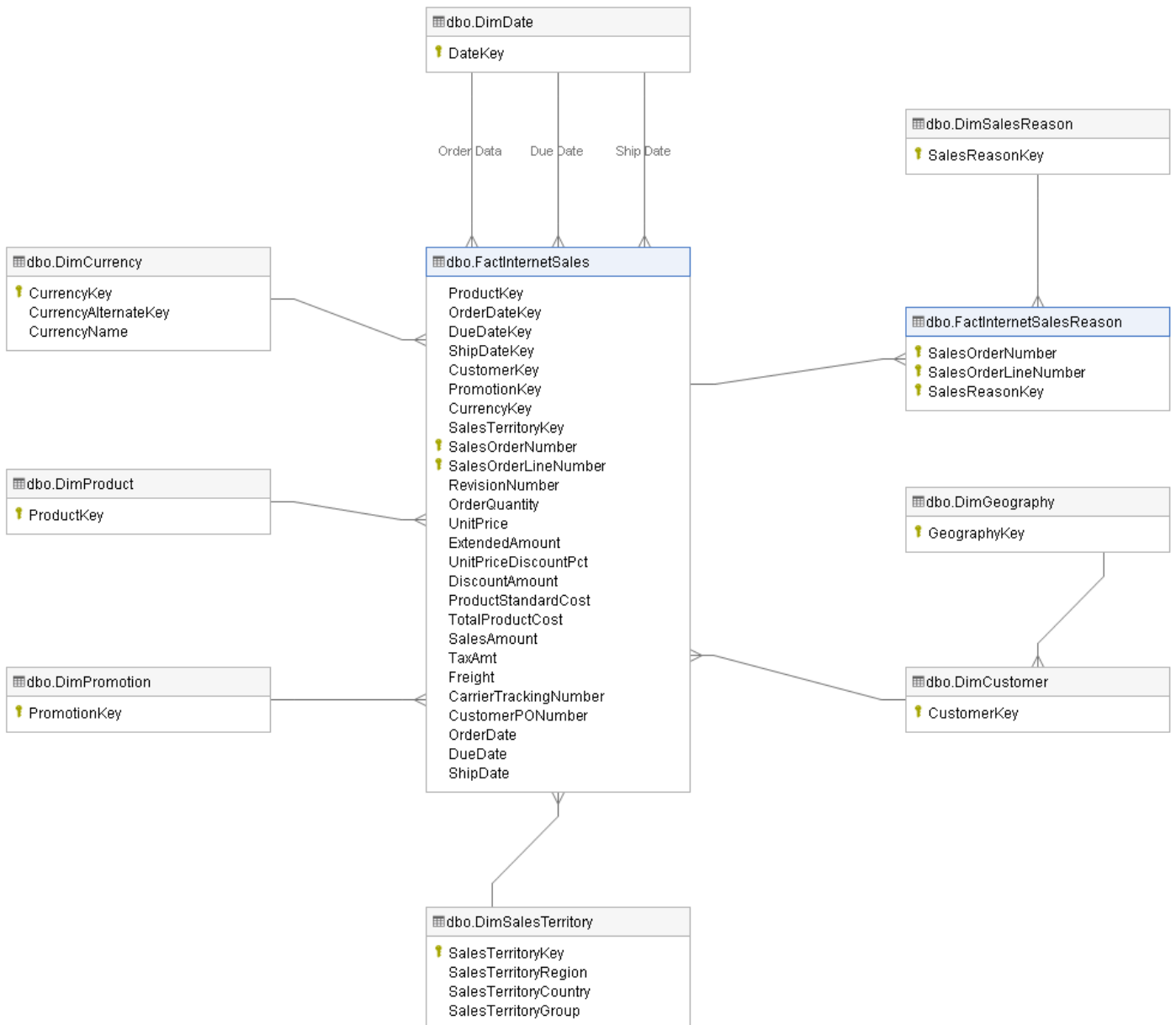
Unique keys

	Columns	Name / Description
🔑	ProductKey, DateKey	PK_FactProductInventory Table Primary Key / ID

Uses

Name
 dbo.FactProductInventory
 dbo.DimDate
 dbo.DimProduct

5. Internet Sales





5.1. Tables









5.1.1. Table: dbo.FactInternetSales

Columns

Name	Data type	N	Description / Attributes
ProductKey	int		
OrderDateKey	int		
DueDateKey	int		
ShipDateKey	int		
CustomerKey	int		
PromotionKey	int		
CurrencyKey	int		

Name	Data type	N	Description / Attributes
SalesTerritoryKey	int		
 SalesOrderNumber	nvarchar(20)		
 SalesOrderLineNumber	tinyint		
RevisionNumber	tinyint		
OrderQuantity	smallint		
UnitPrice	money		
ExtendedAmount	money		
UnitPriceDiscountPct	float		
DiscountAmount	float		
ProductStandardCost	money		
TotalProductCost	money		
SalesAmount	money		
TaxAmt	money		
Freight	money		
CarrierTrackingNumber	nvarchar(25)	<i>N</i>	
CustomerPONumber	nvarchar(25)	<i>N</i>	
OrderDate	datetime	<i>N</i>	
DueDate	datetime	<i>N</i>	
ShipDate	datetime	<i>N</i>	


Links to

Table	Join	Title / Name / Description
 dbo.DimCurrency	dbo.FactInternetSales.CurrencyKey = dbo.DimCurrency.CurrencyKey	FK_FactInternetSales_DimCurrency
 dbo.DimCustomer	dbo.FactInternetSales.CustomerKey = dbo.DimCustomer.CustomerKey	FK_FactInternetSales_DimCustomer
 dbo.DimDate	dbo.FactInternetSales.OrderDateKey = dbo.DimDate.DateKey	Order Date FK_FactInternetSales_DimDate
 dbo.DimDate	dbo.FactInternetSales.DueDateKey = dbo.DimDate.DateKey	Due Date FK_FactInternetSales_DimDate1
 dbo.DimDate	dbo.FactInternetSales.ShipDateKey = dbo.DimDate.DateKey	Ship Date FK_FactInternetSales_DimDate2
 dbo.DimProduct	dbo.FactInternetSales.ProductKey = dbo.DimProduct.ProductKey	FK_FactInternetSales_DimProduct
 dbo.DimPromotion	dbo.FactInternetSales.PromotionKey = dbo.DimPromotion.PromotionKey	FK_FactInternetSales_DimPromotion
 dbo.DimSalesTerritory	dbo.FactInternetSales.SalesTerritoryKey = dbo.DimSalesTerritory.SalesTerritoryKey	FK_FactInternetSales_DimSalesTerritory










Linked from

Table	Join	Title / Name / Description
← dbo.FactInternetSalesReason	dbo.FactInternetSales .SalesOrderNumber = dbo.FactInternetSalesReason.SalesOrderNumber, dbo.FactInternetSales .SalesOrderLineNumber = dbo.FactInternetSalesReason.SalesOrderLineNumber	FK_FactInternetSalesReason_FactInternetSales




Unique keys

Columns	Name / Description
 SalesOrderNumber, SalesOrderLineNumber	PK_FactInternetSales_SalesOrderNumber_SalesOrderLineNumber Table Primary Key / ID

Uses




Name
 dbo.FactInternetSales
 dbo.DimCurrency
 dbo.DimCustomer
 dbo.DimDate (Due Date)
 dbo.DimDate (Order Data)
 dbo.DimDate (Ship Date)
 dbo.DimProduct
 dbo.DimPromotion
 dbo.DimSalesTerritory

Used by

Name
 dbo.FactInternetSales
 dbo.vDMPrep
 dbo.FactInternetSalesReason

5.1.2. Table: dbo.FactInternetSalesReason

Columns

Name	Data type	N	Description / Attributes
 SalesOrderNumber	nvarchar(20)		
 SalesOrderLineNumber	tinyint		
 SalesReasonKey	int		

Links to

	Table	Join	Title / Name / Description
➤	dbo.DimSalesReason	dbo.FactInternetSalesReason .SalesReasonKey = dbo.DimSalesReason.SalesReasonKey	FK_FactInternetSalesReason_DimSalesReason
➤	dbo.FactInternetSales	dbo.FactInternetSalesReason .SalesOrderNumber = dbo.FactInternetSales.SalesOrderNumber, dbo.FactInternetSalesReason .SalesOrderLineNumber = dbo.FactInternetSales.SalesOrderLineNumber	FK_FactInternetSalesReason_FactInternetSales

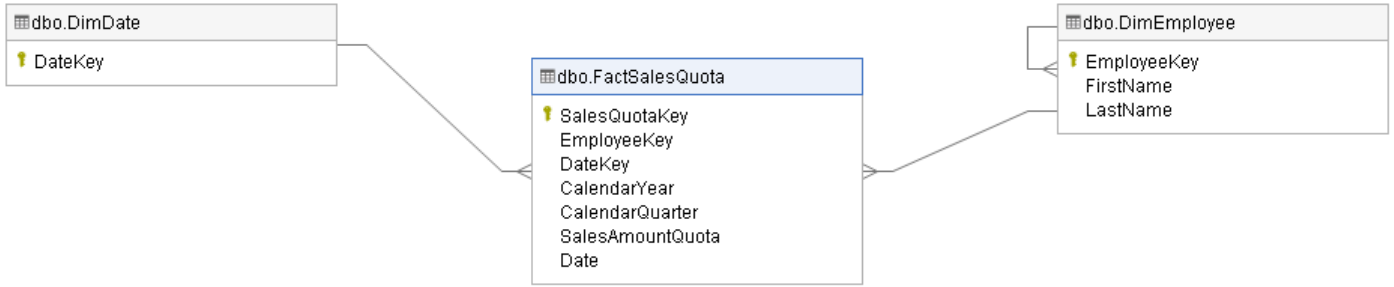
Unique keys

	Columns	Name / Description
🔑	SalesOrderNumber, SalesOrderLineNumber, SalesReasonKey	PK_FactInternetSalesReason_SalesOrderNumber_SalesOrderLineNumber_SalesReasonKey Table Primary Key / ID

Uses

Name
📊 dbo.FactInternetSalesReason
📊 dbo.DimSalesReason
📊 dbo.FactInternetSales

6. Sales Quotas



6.1. Tables

6.1.1. Table: dbo.FactSalesQuota

Columns

	Name	Data type	N	Description / Attributes
	SalesQuotaKey	int		Identity / Auto increment column
	EmployeeKey	int		
	DateKey	int		
	CalendarYear	smallint		
	CalendarQuarter	tinyint		
	SalesAmountQuota	money		
	Date	datetime	<i>N</i>	

Links to

	Table	Join	Title / Name / Description
	dbo.DimDate	dbo.FactSalesQuota .DateKey = dbo.DimDate.DateKey	FK_FactSalesQuota_DimDate
	dbo.DimEmployee	dbo.FactSalesQuota .EmployeeKey = dbo.DimEmployee.EmployeeKey	FK_FactSalesQuota_DimEmployee

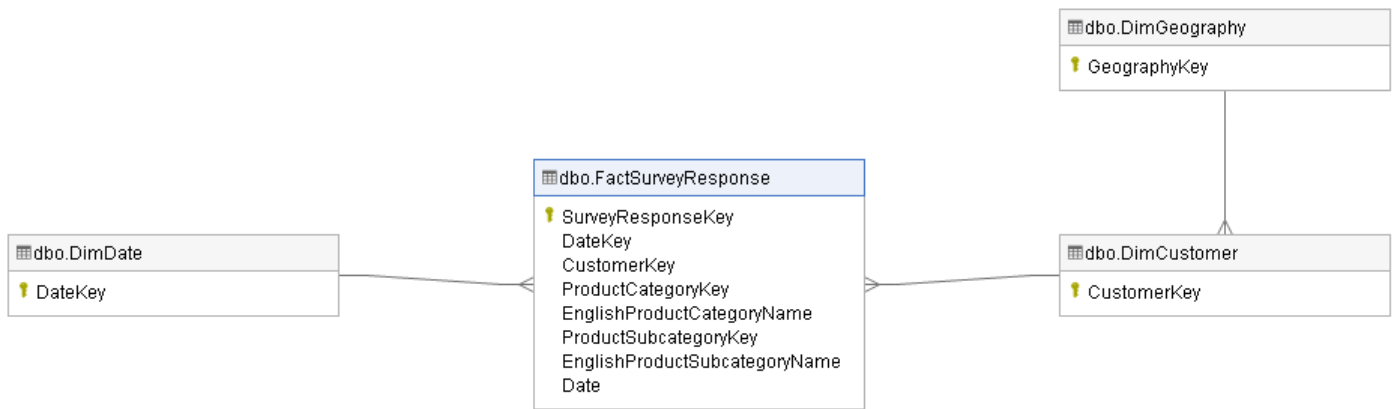
Unique keys

	Columns	Name / Description
	SalesQuotaKey	PK_FactSalesQuota_SalesQuotaKey Table Primary Key / ID

Uses

	Name
	dbo.FactSalesQuota
	dbo.DimDate
	dbo.DimEmployee

7. Surveys



7.1. Tables

7.1.1. Table: dbo.FactSurveyResponse

Columns

Name	Data type	N	Description / Attributes
SurveyResponseKey	int		Identity / Auto increment column
DateKey	int		
CustomerKey	int		
ProductCategoryKey	int		
EnglishProductCategoryName	nvarchar(50)		
ProductSubcategoryKey	int		
EnglishProductSubcategoryName	nvarchar(50)		
Date	datetime	<i>N</i>	

Links to

Table	Join	Title / Name / Description
dbo.DimCustomer	dbo.FactSurveyResponse.CustomerKey = dbo.DimCustomer.CustomerKey	FK_FactSurveyResponse_CustomerKey
dbo.DimDate	dbo.FactSurveyResponse.DateKey = dbo.DimDate.DateKey	FK_FactSurveyResponse_DateKey

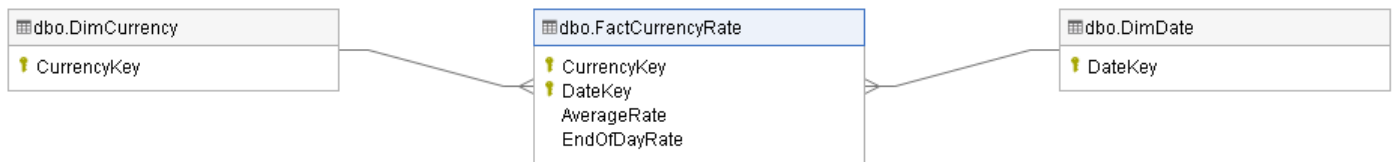
Unique keys

Columns	Name / Description
SurveyResponseKey	PK_FactSurveyResponse_SurveyResponseKey Table Primary Key / ID

Uses

Name
dbo.FactSurveyResponse
dbo.DimCustomer
dbo.DimDate

8. Currency Rates



8.1. Tables

8.1.1. Table: dbo.FactCurrencyRate

Columns

	Name	Data type	N	Description / Attributes
🔑	CurrencyKey	int		
🔑	DateKey	int		
	AverageRate	float		
	EndOfDayRate	float		
	Date	datetime	<i>N</i>	

Links to

	Table	Join	Title / Name / Description
➤	dbo.DimCurrency	dbo.FactCurrencyRate .CurrencyKey = dbo.DimCurrency.CurrencyKey	FK_FactCurrencyRate_DimCurrency
➤	dbo.DimDate	dbo.FactCurrencyRate .DateKey = dbo.DimDate.DateKey	FK_FactCurrencyRate_DimDate

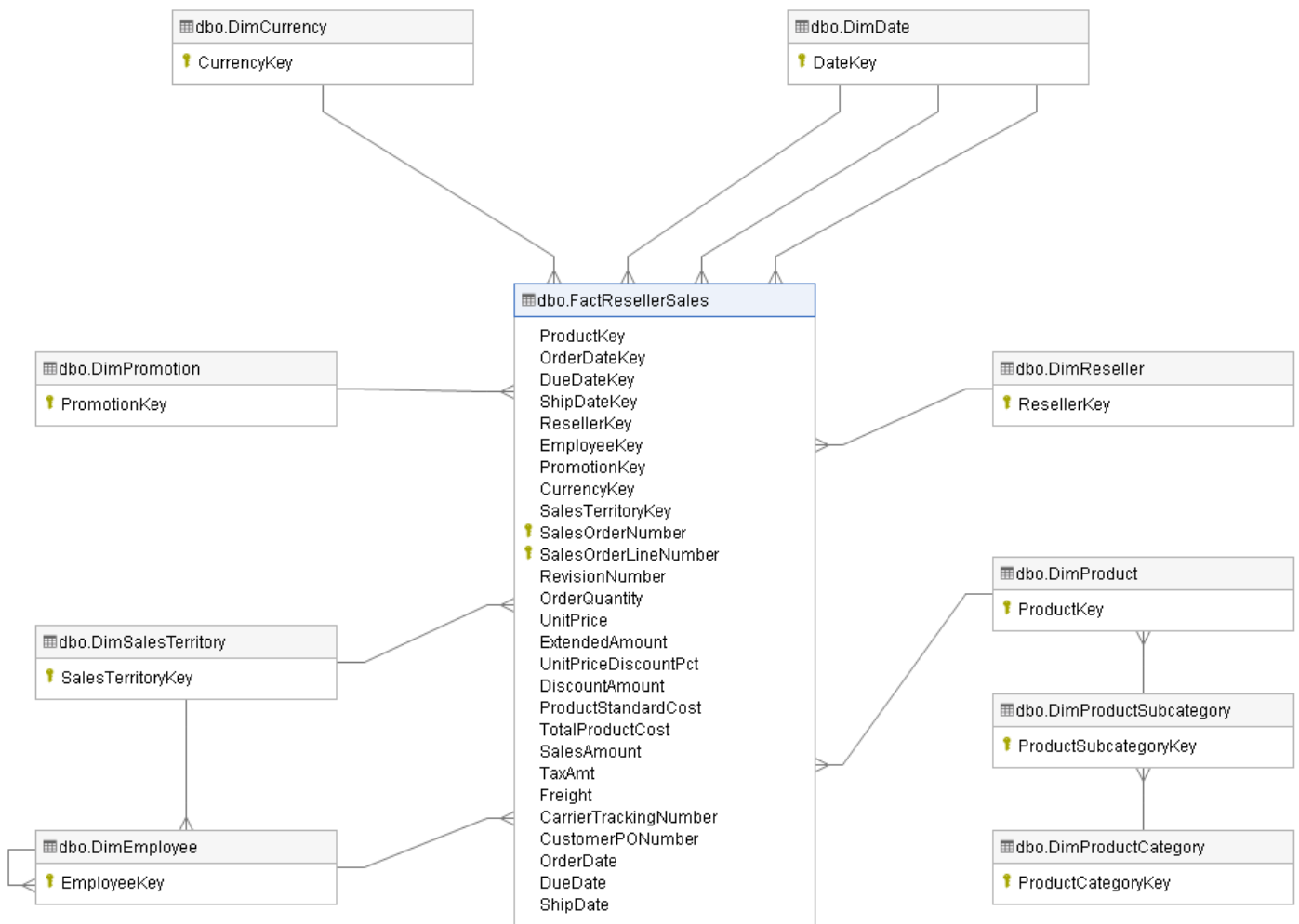
Unique keys

	Columns	Name / Description
🔑	CurrencyKey, DateKey	PK_FactCurrencyRate_CurrencyKey_DateKey Table Primary Key / ID

Uses

	Name
📄	dbo.FactCurrencyRate
📄	dbo.DimCurrency
📄	dbo.DimDate

9. Reseller Sales



9.1. Tables

9.1.1. Table: dbo.FactResellerSales

Columns

Name	Data type	N	Description / Attributes
ProductKey	int		
OrderDateKey	int		
DueDateKey	int		
ShipDateKey	int		
ResellerKey	int		
EmployeeKey	int		
PromotionKey	int		
CurrencyKey	int		
SalesTerritoryKey	int		
SalesOrderNumber	nvarchar(20)		
SalesOrderLineNumber	tinyint		
RevisionNumber	tinyint	<i>N</i>	

Name	Data type	N	Description / Attributes
OrderQuantity	smallint	N	
UnitPrice	money	N	
ExtendedAmount	money	N	
UnitPriceDiscountPct	float	N	
DiscountAmount	float	N	
ProductStandardCost	money	N	
TotalProductCost	money	N	
SalesAmount	money	N	
TaxAmt	money	N	
Freight	money	N	
CarrierTrackingNumber	nvarchar(25)	N	
CustomerPONumber	nvarchar(25)	N	
OrderDate	datetime	N	
DueDate	datetime	N	
ShipDate	datetime	N	











Links to

Table	Join	Title / Name / Description
➤ dbo.DimCurrency	dbo.FactResellerSales.CurrencyKey = dbo.DimCurrency.CurrencyKey	FK_FactResellerSales_DimCurrency
➤ dbo.DimDate	dbo.FactResellerSales.OrderDateKey = dbo.DimDate.DateKey	Order Date FK_FactResellerSales_DimDate
➤ dbo.DimDate	dbo.FactResellerSales.DueDateKey = dbo.DimDate.DateKey	Due Date FK_FactResellerSales_DimDate1
➤ dbo.DimDate	dbo.FactResellerSales.ShipDateKey = dbo.DimDate.DateKey	Ship Date FK_FactResellerSales_DimDate2
➤ dbo.DimEmployee	dbo.FactResellerSales.EmployeeKey = dbo.DimEmployee.EmployeeKey	FK_FactResellerSales_DimEmployee
➤ dbo.DimProduct	dbo.FactResellerSales.ProductKey = dbo.DimProduct.ProductKey	FK_FactResellerSales_DimProduct
➤ dbo.DimPromotion	dbo.FactResellerSales.PromotionKey = dbo.DimPromotion.PromotionKey	FK_FactResellerSales_DimPromotion
➤ dbo.DimReseller	dbo.FactResellerSales.ResellerKey = dbo.DimReseller.ResellerKey	FK_FactResellerSales_DimReseller
➤ dbo.DimSalesTerritory	dbo.FactResellerSales.SalesTerritoryKey = dbo.DimSalesTerritory.SalesTerritoryKey	FK_FactResellerSales_DimSalesTerritory

Unique keys

Columns	Name / Description
🔑 SalesOrderNumber, SalesOrderLineNumber	PK_FactResellerSales_SalesOrderNumber_SalesOrderLineNumber Table Primary Key / ID

Uses

Name
 dbo.FactResellerSales
 dbo.DimCurrency
 dbo.DimDate (Due Date)
 dbo.DimDate (Order Date)
 dbo.DimDate (Ship Date)
 dbo.DimEmployee
 dbo.DimProduct
 dbo.DimPromotion
 dbo.DimReseller
 dbo.DimSalesTerritory

10. Product Descriptions



10.1. Tables

10.1.1. Table: dbo.FactAdditionalInternationalProductDescription

Columns

	Name	Data type	N	Description / Attributes
	ProductKey	int		
	CultureName	nvarchar(50)		
	ProductDescription	nvarchar(MAX)		

Links to

	Table	Join	Title / Name / Description
	dbo.DimProduct	dbo.FactAdditionalInternationalProductDescription.ProductKey = dbo.DimProduct.ProductKey	User-defined relation

Unique keys

	Columns	Name / Description
	ProductKey, CultureName	PK_FactAdditionalInternationalProductDescription_ProductKey_CultureName Table Primary Key / ID

Uses

	Name
	dbo.FactAdditionalInternationalProductDescription
	dbo.DimProduct