

Designing Data Architecture for Business Intelligence

Assignment: AdventureWorks - Data Modeling Intro

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List table with each submodel:

Adventure works DW Main Model tables

Selected Objects	
Object Name	
DimAccount	
DimCurrency	
DimCustomer	
DimDate	
DimDepartmentGroup	
DimEmployee	
DimGeography	
DimOrganization	
DimProduct	
DimProductCategory	
DimProductSubcategory	
DimPromotion	
DimReseller	
DimSalesReason	
DimSalesTerritory	
DimScenario	
FactAdditionalInternationalProductDescription	
FactCallCenter	
FactCurrencyRate	
FactFinance	
FactInternetSales	
FactInternetSalesReason	
FactProductInventory	
FactResellerSales	
FactSalesQuota	
FactSurveyResponse	
NewFactCurrencyRate	
ProspectiveBuyer	

Adventure works DW Sub Model Internet sales

Submodel Editor ✕

Submodel: Internet Sales ▾

Edit Submodel | Attributes | Definition | Properties | Attachment Bindings | Security Information

☐ Place New Objects Near Existing Objects
☐ Inherit Objects Added to Nested Submodels

☒ Show all available items
☒ Automatically Include Relationships

Logical

- Internet Sales
 - DimCustomer
 - DimDate
 - DimGeography
 - DimProduct
 - DimProductCategory
 - DimProductSubcategory
 - DimSalesTerritory
 - FactInternetSales
- Reseller Sales
 - DimAccount
 - DimCurrency
 - DimCustomer
 - DimDate
 - DimDepartmentGroup
 - DimEmployee
 - DimGeography

➡

⬅

Internet Sales

- DimCustomer
- DimDate
- DimGeography
- DimProduct
- DimProductCategory
- DimProductSubcategory
- DimSalesTerritory
- FactInternetSales

Select Related Objects... Select Related Objects...

☐ Create Submodel at Root

✓ OK ✗ Cancel ? Help

Adventure works DW Sub Model Reseller sales

Submodel Editor

Submodel: **Reseller Sales**

Edit Submodel | Attributes | Definition | Properties | Attachment Bindings | Security Information

☐ Place New Objects Near Existing Objects
☐ Inherit Objects Added to Nested Submodels

☒ Show all available items
☒ Automatically Include Relationships

Logical

- Internet Sales
 - Reseller Sales
 - DimCustomer
 - DimDate
 - DimEmployee
 - DimGeography
 - DimProduct
 - DimProductCategory
 - DimProductSubcategory
 - DimReseller
 - DimSalesTerritory
 - FactResellerSales
- DimAccount
- DimCurrency
- DimCustomer
- DimDate
- DimDepartmentGroup

Reseller Sales

- DimCustomer
- DimDate
- DimEmployee
- DimGeography
- DimProduct
- DimProductCategory
- DimProductSubcategory
- DimReseller
- DimSalesTerritory
- FactResellerSales

Select Related Objects...

☐ Create Submodel at Root

OK Cancel Help

Adventure works Main Model tables

Selected Objects	
Object Name	
dbo.AWBuildVersion	
dbo.DatabaseLog	
dbo.ErrorLog	
HumanResources.Department	
HumanResources.Employee	
HumanResources.EmployeeDepartmentHistory	
HumanResources.EmployeePayHistory	
HumanResources.JobCandidate	
HumanResources.Shift	
Person.Address	
Person.AddressType	
Person.BusinessEntity	
Person.BusinessEntityAddress	
Person.BusinessEntityContact	
Person.ContactType	
Person.CountryRegion	
Person.EmailAddress	
Person.Password	
Person.Person	
Person.PersonPhone	
Person.PhoneNumberType	
Person.StateProvince	
Production.BillOfMaterials	
Production.Culture	
Production.Document	
Production.Illustration	
Production.Location	
Production.Product	
Production.ProductCategory	
Production.ProductCostHistory	
Production.ProductDescription	
Production.ProductDocument	
Production.ProductInventory	
Production.ProductListPriceHistory	
Production.ProductModel	
Production.ProductModelIllustration	

Selected Objects

Object Name
Production.ProductModelIllustration
Production.ProductModelProductDescriptionCulture
Production.ProductPhoto
Production.ProductProductPhoto
Production.ProductReview
Production.ProductSubcategory
Production.ScrapReason
Production.TransactionHistory
Production.TransactionHistoryArchive
Production.UnitMeasure
Production.WorkOrder
Production.WorkOrderRouting
Purchasing.ProductVendor
Purchasing.PurchaseOrderDetail
Purchasing.PurchaseOrderHeader
Purchasing.ShipMethod
Purchasing.Vendor
Sales.CountryRegionCurrency
Sales.CreditCard
Sales.Currency
Sales.CurrencyRate
Sales.Customer
Sales.PersonCreditCard
Sales.SalesOrderDetail
Sales.SalesOrderHeader
Sales.SalesOrderHeaderSalesReason
Sales.SalesPerson
Sales.SalesPersonQuotaHistory
Sales.SalesReason
Sales.SalesTaxRate
Sales.SalesTerritory
Sales.SalesTerritoryHistory
Sales.ShoppingCartItem
Sales.SpecialOffer
Sales.SpecialOfferProduct
Sales.Store

Adventure works Sub Model Internet Sales

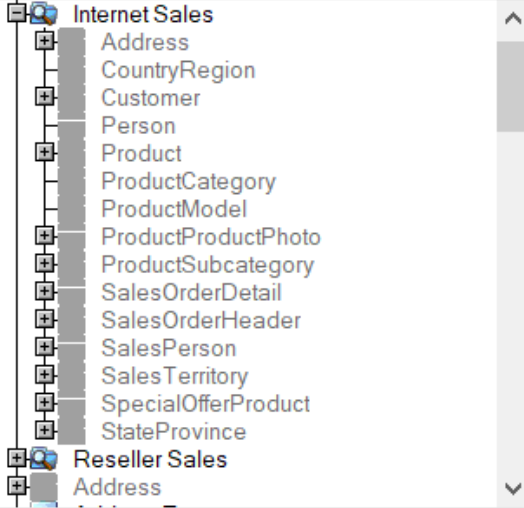
Submodel Editor ✕

Submodel: Internet Sales

Edit Submodel | Attributes | Definition | Properties | Attachment Bindings | Security Information

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☐ Inherit Objects Added to Nested Submodels

☒ Show all available items
☒ Automatically Include Relationships

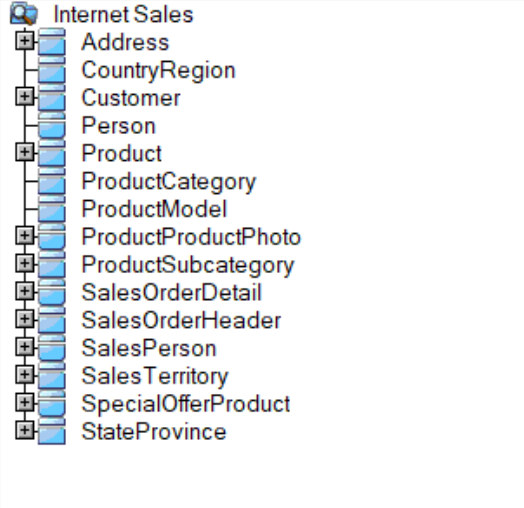


Internet Sales

- Address
- CountryRegion
- Customer
- Person
- Product
- ProductCategory
- ProductModel
- ProductProductPhoto
- ProductSubcategory
- SalesOrderDetail
- SalesOrderHeader
- SalesPerson
- SalesTerritory
- SpecialOfferProduct
- StateProvince

Reseller Sales

- Address



Internet Sales


- Address
- CountryRegion
- Customer
- Person
- Product
- ProductCategory
- ProductModel
- ProductProductPhoto
- ProductSubcategory
- SalesOrderDetail
- SalesOrderHeader
- SalesPerson
- SalesTerritory
- SpecialOfferProduct
- StateProvince

Select Related Objects...Select Related Objects...

☐ Create Submodel at Root

✓ OK ✕ Cancel ⓘ Help

Adventure works Sub Model Reseller Sales


 Submodel Editor ✕

Submodel: Reseller Sales ▼


Edit Submodel | Attributes | Definition | Properties | Attachment Bindings | Security Information

☐ Place New Objects Near Existing Objects
☐ Inherit Objects Added to Nested Submodels

☒ Show all available items
☒ Automatically Include Relationships

**Reseller Sales**
+ Address
+ CountryRegion
+ Customer
+ Employee
+ Person
+ Product
+ ProductCategory
+ ProductModel
+ ProductProductPhoto
+ ProductSubcategory
+ SalesOrderDetail
+ SalesOrderHeader
+ SalesPerson
+ SalesTerritory
+ SpecialOfferProduct
+ StateProvince
+ Store

▶ ◀

**Reseller Sales**
+ Address
+ CountryRegion
+ Customer
+ Employee
+ Person
+ Product
+ ProductCategory
+ ProductModel
+ ProductProductPhoto
+ ProductSubcategory
+ SalesOrderDetail
+ SalesOrderHeader
+ SalesPerson
+ SalesTerritory
+ SpecialOfferProduct
+ StateProvince
+ Store

Select Related Objects... Select Related Objects...

☐ Create Submodel at Root

✓ OK ✕ Cancel ? Help