Dimension Usage for the Adventure Works cube

[Database: Adventure Works DW]

Measure Group: Internet Sales

Regular Relationship	Granularity Attribute	Dimension Column	Measure Group Columns
Promotion	Promotion	DimPromotion.PromotionKey	FactInternetSales.PromotionKey (A)
Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactInternetSales.SalesTerritoryKey (A)
Date	Date	DimTime.TimeKey	FactInternetSales.OrderDateKey (A)
Ship Date (Date)	Date	DimTime.TimeKey	FactInternetSales.ShipDateKey (A)
Delivery Date (Date)	Date	DimTime.TimeKey	FactInternetSales.DueDateKey (A)
Product	Product	DimProduct.ProductKey	FactInternetSales.ProductKey (A)
Customer	Customer	DimCustomer.CustomerKey	FactInternetSales.CustomerKey (A)
Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactInternetSales.CurrencyKey (E)

Fact Relationship	Granularity Attribute	Source Table	
Internet Sales Order Details	Internet Sales Order	FactInternetSales	

| Many to Many Relationship	Intermediate Measure Group		
Sales Reason	Sales Reasons		
Destination Currency	Exchange Rates		

Measure Group: Internet Orders

Regular Relationship	Granularity Attribute	Dimension Column	Measure Group Columns
Promotion	Promotion	DimPromotion.PromotionKey	FactInternetSales.PromotionKey (A)
Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactInternetSales.SalesTerritoryKey (A)
Date	Date	DimTime.TimeKey	FactInternetSales.OrderDateKey (A)
Ship Date (Date)	Date	DimTime.TimeKey	FactInternetSales.ShipDateKey (A)
Delivery Date (Date)	Date	DimTime.TimeKey	FactInternetSales.DueDateKey (A)
Product	Product	DimProduct.ProductKey	FactInternetSales.ProductKey (A)
Customer	Customer	DimCustomer.CustomerKey	FactInternetSales.CustomerKey (A)
Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactInternetSales.CurrencyKey (E)

Attribute Null Processing : (A) - Automatic (U) - Unknown Member
(E) - Error (Z) - Zero or Blank
(P) - Preserve

📊 Measure Group: Internet Orders

Fact Relationship	**Granularity Attribute**	**Source Table**
📷 Internet Sales Order Details	Internet Sales Order	FactInternetSales

Many to Many Relationship	**Intermediate Measure Group**
📷 Sales Reason	Sales Reasons

📊 Measure Group: Internet Customers

| **Regular Relationship**	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
📷 Customer	Customer	DimCustomer.CustomerKey	FactInternetSales.CustomerKey (A)
📷 Promotion	Promotion	DimPromotion.PromotionKey	FactInternetSales.PromotionKey (A)
📷 Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactInternetSales.SalesTerritoryKey (A)
📷 Date	Date	DimTime.TimeKey	FactInternetSales.OrderDateKey (A)
📷 Ship Date (Date)	Date	DimTime.TimeKey	FactInternetSales.ShipDateKey (A)
📷 Delivery Date (Date)	Date	DimTime.TimeKey	FactInternetSales.DueDateKey (A)
📷 Product	Product	DimProduct.ProductKey	FactInternetSales.ProductKey (A)
📷 Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactInternetSales.CurrencyKey (E)

Fact Relationship	**Granularity Attribute**	**Source Table**
📷 Internet Sales Order Details	Internet Sales Order	FactInternetSales

| **Many to Many Relationship**	**Intermediate Measure Group**
📷 Sales Reason	Sales Reasons

📊 Measure Group: Sales Reasons

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
📷 Sales Reason	Sales Reason	DimSalesReason.SalesReasonKey	FactInternetSalesReason.SalesReasonKey (A)
📷 Internet Sales Order Details	Internet Sales Order	FactInternetSales.SalesOrderNumber FactInternetSales.SalesOrderLineNumber	FactInternetSalesReason.SalesOrderNumber (A) FactInternetSalesReason.SalesOrderLineNumber (A)

Printed: 4/22/2007 7:55:25 AM   Attribute Null Processing :   (A) - Automatic   (U) - Unknown Member   Page 2 of 6
(E) - Error   (Z) - Zero or Blank
(P) - Preserve

📊 Measure Group: Reseller Sales

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
📦 Employee	Employee	DimEmployee.EmployeeKey	FactResellerSales.EmployeeKey (A)
📦 Promotion	Promotion	DimPromotion.PromotionKey	FactResellerSales.PromotionKey (A)
📦 Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactResellerSales.SalesTerritoryKey (A)
📦 Reseller	Reseller	DimReseller.ResellerKey	FactResellerSales.ResellerKey (A)
📦 Date	Date	DimTime.TimeKey	FactResellerSales.OrderDateKey (A)
📦 Ship Date (Date)	Date	DimTime.TimeKey	FactResellerSales.ShipDateKey (A)
📦 Delivery Date (Date)	Date	DimTime.TimeKey	FactResellerSales.DueDateKey (A)
📦 Product	Product	DimProduct.ProductKey	FactResellerSales.ProductKey (A)
📦 Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactResellerSales.CurrencyKey (E)

Fact Relationship	**Granularity Attribute**	**Source Table**	
📦 Reseller Sales Order Details	Reseller Sales Order	FactResellerSales	

Referenced Relationship	**Reference Dimension Attribute**	**Intermediate Dimension**	**Intermediate Dimension Attribute**
📦 Geography (Materialized)	Geography Key	Reseller	Geography Key

Many to Many Relationship	**Intermediate Measure Group**
📦 Destination Currency	Exchange Rates

📊 Measure Group: Reseller Orders

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
📦 Reseller	Reseller	DimReseller.ResellerKey	FactResellerSales.ResellerKey (A)
📦 Employee	Employee	DimEmployee.EmployeeKey	FactResellerSales.EmployeeKey (A)
📦 Promotion	Promotion	DimPromotion.PromotionKey	FactResellerSales.PromotionKey (A)
📦 Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactResellerSales.SalesTerritoryKey (A)
📦 Date	Date	DimTime.TimeKey	FactResellerSales.OrderDateKey (A)
📦 Ship Date (Date)	Date	DimTime.TimeKey	FactResellerSales.ShipDateKey (A)
📦 Delivery Date (Date)	Date	DimTime.TimeKey	FactResellerSales.DueDateKey (A)
📦 Product	Product	DimProduct.ProductKey	FactResellerSales.ProductKey (A)
📦 Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactResellerSales.CurrencyKey (E)

📊 Measure Group: Reseller Orders

Referenced Relationship	Reference Dimension Attribute	Intermediate Dimension	Intermediate Dimension Attribute
📷 Geography (Materialized)	Geography Key	Reseller	Geography Key

Fact Relationship	Granularity Attribute	Source Table	
📷 Reseller Sales Order Details	Reseller Sales Order	FactResellerSales	

📊 Measure Group: Sales Summary

Fact Relationship	Granularity Attribute	Source Table	
📷 Sales Summary Order Details	Sales Order	FactSalesSummary	

Regular Relationship	Granularity Attribute	Dimension Column	Measure Group Columns
📷 Date	Date	DimTime.TimeKey	FactSalesSummary.OrderDateKey (A)
📷 Ship Date (Date)	Date	DimTime.TimeKey	FactSalesSummary.ShipDateKey (A)
📷 Delivery Date (Date)	Date	DimTime.TimeKey	FactSalesSummary.DueDateKey (A)
📷 Product	Product	DimProduct.ProductKey	FactSalesSummary.ProductKey (A)
📷 Promotion	Promotion	DimPromotion.PromotionKey	FactSalesSummary.PromotionKey (A)
📷 Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactSalesSummary.SalesTerritoryKey (A)
📷 Sales Channel	Sales Channel	FactSalesSummary.SalesChannel	FactSalesSummary.SalesChannel (A)
📷 Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactSalesSummary.CurrencyKey (E)

Many to Many Relationship	Intermediate Measure Group	
📷 Destination Currency	Exchange Rates	

📊 Measure Group: Sales Orders

Fact Relationship	Granularity Attribute	Source Table	
📷 Sales Summary Order Details	Sales Order	FactSalesSummary	

| Regular Relationship	Granularity Attribute	Dimension Column	Measure Group Columns
📷 Date	Date	DimTime.TimeKey	FactSalesSummary.OrderDateKey (A)
📷 Ship Date (Date)	Date	DimTime.TimeKey	FactSalesSummary.ShipDateKey (A)
📷 Delivery Date (Date)	Date	DimTime.TimeKey	FactSalesSummary.DueDateKey (A)
📷 Product	Product	DimProduct.ProductKey	FactSalesSummary.ProductKey (A)

📊 Measure Group: Sales Orders

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
🔲 Promotion	Promotion	DimPromotion.PromotionKey	FactSalesSummary.PromotionKey (A)
🔲 Sales Territory	Sales Territory Region	DimSalesTerritory.SalesTerritoryKey	FactSalesSummary.SalesTerritoryKey (A)
🔲 Sales Channel	Sales Channel	FactSalesSummary.SalesChannel	FactSalesSummary.SalesChannel (A)
🔲 Source Currency	Source Currency Code	DimCurrency.CurrencyKey	FactSalesSummary.CurrencyKey (E)

📊 Measure Group: Sales Targets

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
🔲 Employee	Employee	DimEmployee.EmployeeKey	FactSalesQuota.EmployeeKey (A)
🔲 Date	Calendar Quarter	DimTime.CalendarYear DimTime.CalendarQuarter	FactSalesQuota.CalendarYear (A) FactSalesQuota.CalendarQuarter (A)

Referenced Relationship	**Reference Dimension Attribute**	**Intermediate Dimension**	**Intermediate Dimension Attribute**
🔲 Sales Territory (Materialized)	Sales Territory Region	Employee	Sales Territory Key

📊 Measure Group: Financial Reporting

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
🔲 Scenario	Scenario	DimScenario.ScenarioKey	FactFinance.ScenarioKey (A)
🔲 Organization	Organization	DimOrganization.OrganizationKey	FactFinance.OrganizationKey (A)
🔲 Department	Department	DimDepartmentGroup.DepartmentGroupKey	FactFinance.DepartmentGroupKey (A)
🔲 Account	Account	DimAccount.AccountKey	FactFinance.AccountKey (A)
🔲 Date	Date	DimTime.TimeKey	FactFinance.TimeKey (A)

Referenced Relationship	**Reference Dimension Attribute**	**Intermediate Dimension**	**Intermediate Dimension Attribute**
🔲 Destination Currency (Materialized)	Destination Currency Code	Organization	Currency Code

📊 Measure Group: Exchange Rates

Regular Relationship	**Granularity Attribute**	**Dimension Column**	**Measure Group Columns**
🔲 Date	Date	DimTime.TimeKey	FactCurrencyRate.TimeKey (A)
🔲 Destination Currency	Destination Currency Code	DimDestinationCurrency.CurrencyKey	FactCurrencyRate.CurrencyKey (A)

Attribute Null Processing :   (A) - Automatic   (U) - Unknown Member
(E) - Error   (Z) - Zero or Blank
(P) - Preserve