

| Target | | | | | Source | | | | Transformation |
|-------------|-------------------|--------------|------------|----------|-------------------------------------|-------------------|-------------------|--------------|--|
| Table Name | Column Name | Data Type | Table Type | SCD Type | Database Name | Table Name | Column Name | Data Type | |
| DimEmployee | EmployeeKey | INT | Dimension | | | | | | |
| DimEmployee | EmployeeID | NVARCHAR(20) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | EmployeeID | NVARCHAR(20) | SELECT EmployeeID FROM OperationalDB_UK.dbo.Employees UNION ALL SELECT EmployeeID FROM OperationalDB_USA.dbo.Employees |
| DimEmployee | Name | NVARCHAR(10) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | Name | NVARCHAR(10) | SELECT Title&Country + ' ' + FirstName + ' ' + LastName AS Name FROM OperationalDB_UK.dbo.Employees UNION ALL SELECT Name FROM OperationalDB_USA.dbo.Employees |
| DimEmployee | Title | NVARCHAR(30) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Titles, Employees | Title | NVARCHAR(30) | SELECT Titles.Title FROM OperationalDB_UK.Employees AS EMPLOYEES INNER JOIN OperationalDB_UK.Titles AS TITLES ON EMPLOYEES.TitleID = TITLES.TitleID UNION ALL SELECT Title FROM OperationalDB_USA_Employees |
| DimEmployee | BirthDate | DATE | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | BirthDate | DATE | SELECT BirthDate FROM OperationalDB_UK_Employees UNION ALL SELECT BirthDate FROM OperationalDB_USA_Employees |
| DimEmployee | HireDate | DATE | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | HireDate | DATE | SELECT HireDate FROM OperationalDB_UK_Employees UNION ALL SELECT HireDate FROM OperationalDB_USA_Employees |
| DimEmployee | Address | NVARCHAR(60) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Employees | Address | NVARCHAR(60) | SELECT Address FROM OperationalDB_UK_Employees UNION ALL SELECT Address FROM OperationalDB_USA_Employees |
| DimEmployee | CityName | NVARCHAR(20) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Cities, Employees | CityName | NVARCHAR(20) | SELECT CITIES.CityName FROM OperationalDB_UK_Employees AS EMPLOYEES INNER JOIN OperationalDB_UK_Cities AS CITIES ON EMPLOYEES.CityID = CITIES.CityID UNION ALL SELECT CITY FROM OperationalDB_USA_Employees |
| DimEmployee | RegionDescription | NCHAR(50) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Regions, Region | RegionDescription | NCHAR(50) | SELECT REGIONS.RegionDescription FROM OperationalDB_UK_Employees AS EMPLOYEES INNER JOIN OperationalDB_UK_Regions AS REGIONS ON EMPLOYEES.RegionID = REGIONS.RegionID UNION ALL SELECT REGION.RegionDescription FROM OperationalDB_USA_Employees AS EMPLOYEES INNER JOIN OperationalDB_USA_Regions AS REGION ON EMPLOYEES.RegionID = REGION.RegionID |
| DimEmployee | CompanyLocalCode | NVARCHAR(20) | Dimension | 2 | | | | | |
| DimEmployee | PostalCode | NVARCHAR(10) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Employees | PostalCode | NVARCHAR(10) | SELECT PostalCode FROM OperationalDB_UK_Employees UNION ALL SELECT PostalCode FROM OperationalDB_USA_Employees |
| DimEmployee | HomePhone | NVARCHAR(24) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | HomePhone | NVARCHAR(24) | SELECT HomePhone FROM OperationalDB_UK_Employees UNION ALL SELECT HomePhone FROM OperationalDB_USA_Employees |
| DimEmployee | Extension | NVARCHAR(4) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | Extension | NVARCHAR(4) | SELECT Extension FROM OperationalDB_UK_Employees UNION ALL SELECT Extension FROM OperationalDB_USA_Employees |
| DimEmployee | Notes/Obs | NVARCHAR(50) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | Notes/Obs | NVARCHAR(50) | SELECT Names AS [Names/OBS] FROM OperationalDB_UK_Employees UNION ALL SELECT Obs AS [Names/OBS] FROM OperationalDB_USA_Employees |
| DimEmployee | ReportTo | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Employees | ReportTo | INT | SELECT ReportTo FROM OperationalDB_UK_Employees UNION ALL SELECT ReportTo FROM OperationalDB_USA_Employees |
| DimEmployee | EffectiveDate | DATE | Dimension | 1 | | | | | |
| DimEmployee | ExpiredDate | DATE | Dimension | 1 | | | | | |
| DimEmployee | IsCurrent | NVARCHAR(1) | Dimension | 1 | | | | | |
| DimCustomer | CustomerKey | INT | Dimension | | | | | | |
| DimCustomer | CustomerID | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Customer | CustomerID | INT | SELECT CustomerID FROM OperationalDB_UK_Customers UNION ALL SELECT CustomerID FROM OperationalDB_USA_Customers |
| DimCustomer | CompanyName | NVARCHAR(40) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Customer | CompanyName | NVARCHAR(40) | SELECT CompanyName FROM OperationalDB_UK_Customers UNION ALL SELECT CompanyName FROM OperationalDB_USA_Customers |
| DimCustomer | ContactName | NVARCHAR(30) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Customer | ContactName | NVARCHAR(30) | SELECT ContactName FROM OperationalDB_UK_Customers UNION ALL SELECT ContactName FROM OperationalDB_USA_Customers |
| DimCustomer | Title | NVARCHAR(30) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Titles, Customer | Title | NVARCHAR(30) | SELECT TITLES.Title FROM OperationalDB_UK_Customers AS CUSTOMERS INNER JOIN OperationalDB_UK_Titles AS TITLES ON CUSTOMERS.TitleID = TITLES.TitleID UNION ALL SELECT Title FROM OperationalDB_USA_Customers |
| DimCustomer | Address | NVARCHAR(60) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Customer | Address | NVARCHAR(60) | SELECT Address FROM OperationalDB_UK_Customers UNION ALL SELECT Address FROM OperationalDB_USA_Customers |
| DimCustomer | CityName | NVARCHAR(20) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Cities, Customer | CityName | NVARCHAR(20) | SELECT CITIES.CityName FROM OperationalDB_UK_Customers AS CUSTOMERS INNER JOIN OperationalDB_UK_Cities AS CITIES ON CUSTOMERS.CityID = CITIES.CityID UNION ALL SELECT CityName FROM OperationalDB_USA_Customers |

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|------------|-------------|---------------------|--------------|-----------|---|-------------------------------------|----------------------------|---------------------|-----------------|---|
| DimDate | DimCustomer | RegionDescription | NCHAR(50) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Regions, Region | RegionDescription | NCHAR(50) | SELECT REGIONS.RegionDescription FROM OperationalDB_UK..Customers AS CUSTOMERS INNER JOIN OperationalDB_UK..Regions AS REGIONS ON CUSTOMERS.RegionID = REGIONS.RegionID UNION ALL SELECT REGION.RegionDescription FROM OperationalDB_USA..Customers AS CUSTOMERS INNER JOIN OperationalDB_USA..Region AS REGION ON CUSTOMERS.RegionID = REGION.RegionID |
| | DimCustomer | CountryCode | NCHAR(2) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Customer | CountryCode | NCHAR(2) | SELECT CountryCode FROM OperationalDB_UK..Customers UNION ALL SELECT CountryCode FROM OperationalDB_USA..Customers |
| | DimCustomer | Phone | NVARCHAR(24) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Customer | Phone | NVARCHAR(24) | SELECT Phone FROM OperationalDB_UK..Customers UNION ALL SELECT Phone FROM OperationalDB_USA..Customers |
| | DimCustomer | Fax | NVARCHAR(24) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Customer | Fax | NVARCHAR(24) | SELECT Fax FROM OperationalDB_UK..Customers UNION ALL SELECT Fax FROM OperationalDB_USA..Customers |
| | DimCustomer | EffectiveDate | DATE | Dimension | 1 | | | | | |
| | DimCustomer | ExpiredDate | DATE | Dimension | 1 | | | | | |
| | DimCustomer | IsCurrent | NVARCHAR(3) | Dimension | 1 | | | | | |
| | DimDate | DayIDay | INT | Dimension | 1 | | | | | |
| | DimDate | FullDate | DATETIME | Dimension | 1 | | | | | |
| | DimDate | Year | INT | Dimension | 1 | | | | | |
| | DimDate | Semester | TINYINT | Dimension | 1 | | | | | |
| | DimDate | Quarter | TINYINT | Dimension | 1 | | | | | |
| | DimDate | Month | TINYINT | Dimension | 1 | | | | | |
| | DimDate | MonthName | NVARCHAR(15) | Dimension | 1 | | | | | |
| | DimDate | Week | TINYINT | Dimension | 1 | | | | | |
| | DimDate | DayNumberOFYear | INT | Dimension | 1 | | | | | |
| | DimDate | DayNumberOFMonths | TINYINT | Dimension | 1 | | | | | |
| | DimDate | DayNumberOFWeek | TINYINT | Dimension | 1 | | | | | |
| | DimDate | Weekend | NVARCHAR(3) | Dimension | 1 | | | | | |
| | DimProduct | ProductKey | INT | Dimension | 5 | | | | | |
| DimProduct | DimProduct | ProductID | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | ProductID | INT | SELECT ProductID FROM OperationalDB_UK..Products UNION ALL SELECT ProductID FROM OperationalDB_USA..Products |
| | DimProduct | ProductName | NVARCHAR(40) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | ProductName | NVARCHAR(40) | SELECT ProductName FROM OperationalDB_UK..Products UNION ALL SELECT ProductName FROM OperationalDB_USA..Products |
| | DimProduct | CategoryName | NVARCHAR(15) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Categories | CategoryName | NVARCHAR(15) | SELECT CATEGORIES.CategoryName FROM OperationalDB_UK..Products AS PRODUCTS INNER JOIN OperationalDB_UK..Categories AS CATEGORIES ON PRODUCTS.CategoryID = CATEGORIES.CategoryID UNION ALL SELECT CATEGORIES.CategoryName FROM OperationalDB_USA..Products AS PRODUCTS INNER JOIN OperationalDB_USA..Categories AS CATEGORIES ON PRODUCTS.CategoryID = CATEGORIES.CategoryID |
| | DimProduct | CategoryDescription | NVARCHAR(40) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Categories | CategoryDescription | NVARCHAR(40) | SELECT CATEGORIES.CategoryDescription FROM OperationalDB_UK..Products AS PRODUCTS INNER JOIN OperationalDB_UK..Categories AS CATEGORIES ON PRODUCTS.CategoryID = CATEGORIES.CategoryID UNION ALL SELECT CATEGORIES.CategoryDescription FROM OperationalDB_USA..Products AS PRODUCTS INNER JOIN OperationalDB_USA..Categories AS CATEGORIES ON PRODUCTS.CategoryID = CATEGORIES.CategoryID |
| | DimProduct | QuantityPerUnit | NCHAR(20) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | QuantitiesPerUnit_Products | QuantityPerUnit | NCHAR(20) | SELECT QPU.QuantityPerUnit FROM OperationalDB_UK..Products AS PRODUCTS INNER JOIN OperationalDB_UK..QuantitiesPerUnit AS QPU ON PRODUCTS.QuantityPerUnitID = QPU.QuantityPerUnitID UNION ALL SELECT QuantitiesPerUnit FROM OperationalDB_USA..Products |
| | DimProduct | UnitPriceUK | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitPrice | MONEY | SELECT UnitPrice AS UnitPriceUK FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT NULL AS UnitPriceUK FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | UnitPriceUSA | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitPrice | MONEY | SELECT NULL AS UnitPriceUSA FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT UnitPrice AS UnitPriceUSA FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | UnitsInStockUK | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitsInStock | SMALLINT | SELECT UnitsInStock AS UnitsInStockUK FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT NULL AS UnitsInStockUK FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | UnitsInStockUSA | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitsInStock | SMALLINT | SELECT NULL AS UnitsInStockUSA FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT UnitsInStock AS UnitsInStockUSA FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | UnitsOnOrderUK | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitsOnOrder | SMALLINT | SELECT UnitsOnOrder AS UnitsOnOrderUK FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT NULL AS UnitsOnOrderUK FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | UnitsOnOrderUSA | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | UnitsOnOrder | SMALLINT | SELECT NULL AS UnitsOnOrderUSA FROM OperationalDB_UK..Products AS PRODUCTS UNION ALL SELECT UnitsOnOrder AS UnitsOnOrderUSA FROM OperationalDB_USA..Products AS PRODUCTS |
| | DimProduct | Discontinued | FLAG | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Products | Discontinued | BIT, VARCHAR(5) | SELECT CASE WHEN Discontinued = 0 THEN 'NO' WHEN Discontinued = 1 THEN 'YES' END FROM OperationalDB_UK..Products UNION ALL SELECT CASE WHEN Discontinued = 'FALSE' THEN 'NO' WHEN Discontinued = 'TRUE' THEN 'YES' END FROM OperationalDB_USA..Products |
| | DimProduct | SupplierID | INT | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Products | SupplierID | INT | SELECT SupplierID FROM OperationalDB_UK..Products UNION ALL SELECT SupplierID FROM OperationalDB_USA..Products |

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| DimPo | DimProduct | SupplierCompanyName | NVARCHAR(40) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | CompanyName | NVARCHAR(40) | SELECT SUPPLIERS.CompanyName FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID UNION ALL SELECT SUPPLIERS.CompanyName FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID |
| | DimProduct | SupplierContactName | NVARCHAR(30) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | ContactName | NVARCHAR(30) | SELECT SUPPLIERS.ContactName FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID UNION ALL SELECT SUPPLIERS.ContactName FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID |
| | DimProduct | SupplierContactTitle | INT | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | ContactTitle | INT | SELECT SUPPLIERS.ContactTitle FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID UNION ALL SELECT SUPPLIERS.ContactTitle FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID |
| | DimProduct | SupplierAddress | NVARCHAR(60) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | Address | NVARCHAR(60) | SELECT SUPPLIERS.Address FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID UNION ALL SELECT SUPPLIERS.Address FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID |
| | DimProduct | SupplierCity | NVARCHAR(20) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Cities, Suppliers | CityName, City | NVARCHAR(20) | SELECT CITIES.CityName FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS INNER JOIN OperationalDB_UK_Cities AS CITIES ON SUPPLIERS.CityID = CITIES.CityID UNION ALL SELECT SUPPLIERS.City FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID |
| | DimProduct | SupplierRegion | NCHAR(50) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Regions, Region | RegionDescription, | NCHAR(50) | SELECT REGIONS.RegionDescription FROM OperationalDB_UK_Products AS PRODUCTS INNER JOIN OperationalDB_UK_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID INNER JOIN OperationalDB_UK_Regions AS REGIONS ON SUPPLIERS.RegionID = REGIONS.RegionID UNION ALL SELECT REGIONS.RegionDescription FROM OperationalDB_USA_Products AS PRODUCTS INNER JOIN OperationalDB_USA_Suppliers AS SUPPLIERS ON PRODUCTS.SupplierID = SUPPLIERS.SupplierID INNER JOIN OperationalDB_USA_Regions AS REGIONS ON SUPPLIERS.RegionID = REGIONS.RegionID |
| | DimProduct | SupplierPostalCode | NVARCHAR(10) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | PostalCode | NVARCHAR(10) | SELECT PostalCode FROM OperationalDB_UK_Products UNION ALL SELECT PostalCode FROM OperationalDB_USA_Products |
| | DimProduct | SupplierCountry | NCHAR(2) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | Country | NCHAR(2) | SELECT Country FROM OperationalDB_UK_Products UNION ALL SELECT Country FROM OperationalDB_USA_Products |
| | DimProduct | SupplierPhone | NVARCHAR(24) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | Phone | NVARCHAR(24) | SELECT Phone FROM OperationalDB_UK_Products UNION ALL SELECT Phone FROM OperationalDB_USA_Products |
| | DimProduct | SupplierFax | NVARCHAR(24) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Suppliers | Fax | NVARCHAR(24) | SELECT Fax FROM OperationalDB_UK_Products UNION ALL SELECT Fax FROM OperationalDB_USA_Products |
| | DimProduct | EffectiveDate | DATE | Dimension | 1 | | | | | |
| | DimProduct | ExpiredDate | DATE | Dimension | 1 | | | | | |
| | DimProduct | IsCurrent | NVARCHAR(3) | Dimension | 1 | | | | | |
| | DimShipper | ShipperKey | INT | Dimension | 1 | | | | | |
| DimShipper | DimShipper | ShipperID | INT | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Shippers | ShipperID | INT | SELECT ShipperID FROM OperationalDB_UK_Shippers UNION ALL SELECT ShipperID FROM OperationalDB_USA_Shippers |
| | DimShipper | CompanyName | NVARCHAR(40) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Shippers | CompanyName | NVARCHAR(40) | SELECT CompanyName FROM OperationalDB_UK_Shippers UNION ALL SELECT CompanyName FROM OperationalDB_USA_Shippers |
| | DimShipper | Phone | NVARCHAR(24) | Dimension | 1 | OperationalDB_UK, OperationalDB_USA | Shippers | Phone | NVARCHAR(24) | SELECT Phone FROM OperationalDB_UK_Shippers UNION ALL SELECT Phone FROM OperationalDB_USA_Shippers |
| DimCurrency | DimCurrency | CurrencyKey | INT | Dimension | 1 | | | | | |
| | DimCurrency | CurrencyCode | VARCHAR(3) | Dimension | 1 | | | | | |
| | DimCurrency | CurrencyName | NVARCHAR(15) | Dimension | 1 | | | | | |
| DimCompanyLocal | DimCompanyLocal | CompanyLocality | INT | Dimension | 1 | | | | | |
| | DimCompanyLocal | LocalCode | VARCHAR(25) | Dimension | 1 | | | | | |
| | DimShipTo | ShipToKey | INT | Dimension | 1 | | | | | |
| | DimShipTo | ShipToName | NVARCHAR(30) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | ShipTo, Orders | ShipToName, ShipName | NVARCHAR(30) | SELECT ShipToName FROM OperationalDB_UK_ShipTo UNION ALL SELECT ShipName FROM OperationalDB_USA_Orders |

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| DimShipTo | DimShipTo | ShipToAddress | NVARCHAR(30) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | ShipTo, Orders | ShipToAddress, ShipAddress | NVARCHAR(30) | SELECT ShipToAddress FROM OperationalDB_UK_ShipTo UNION ALL SELECT ShipAddress FROM OperationalDB_USA_Orders SELECT CITIES.CityName AS ShipCity FROM OperationalDB_UK_ShipTo AS SHIPTO INNER JOIN OperationalDB_UK_Cities AS CITIES ON SHIPTO.ShipCityID = CITIES.CityID UNION ALL SELECT ShipCity FROM OperationalDB_USA_Orders SELECT REGIONS.RegionDescription AS ShipRegion FROM OperationalDB_UK_ShipTo AS SHIPTO INNER JOIN OperationalDB_UK_Regions AS REGIONS ON SHIPTO.ShipRegionID = REGIONS.RegionID UNION ALL SELECT ShipRegion FROM OperationalDB_USA_Orders |
| | DimShipTo | ShipCity | NVARCHAR(20) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Cities, Orders | City, ShipCity | NVARCHAR(20) | SELECT CITIES.CityName AS ShipCity FROM OperationalDB_UK_ShipTo AS SHIPTO INNER JOIN OperationalDB_UK_Cities AS CITIES ON SHIPTO.ShipCityID = CITIES.CityID UNION ALL SELECT ShipCity FROM OperationalDB_USA_Orders SELECT REGIONS.RegionDescription AS ShipRegion FROM OperationalDB_UK_ShipTo AS SHIPTO INNER JOIN OperationalDB_UK_Regions AS REGIONS ON SHIPTO.ShipRegionID = REGIONS.RegionID UNION ALL SELECT ShipRegion FROM OperationalDB_USA_Orders |
| | DimShipTo | ShipRegion | NCHAR(50) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | Regions, Orders | RegionDescription, ShipRegion | NCHAR(50) | SELECT REGIONS.RegionDescription AS ShipRegion FROM OperationalDB_UK_ShipTo AS SHIPTO INNER JOIN OperationalDB_UK_Regions AS REGIONS ON SHIPTO.ShipRegionID = REGIONS.RegionID UNION ALL SELECT ShipRegion FROM OperationalDB_USA_Orders |
| | DimShipTo | ShipPostalCode | NVARCHAR(10) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | ShipTo, Orders | ShipPostalCode | NVARCHAR(10) | SELECT ShipPostalCode FROM OperationalDB_UK_ShipTo UNION ALL SELECT ShipPostalCode FROM OperationalDB_USA_Orders |
| | DimShipTo | ShipCountryCode | NCHAR(2) | Dimension | 2 | OperationalDB_UK, OperationalDB_USA | ShipTo, Orders | ShipCountryCode | NCHAR(2) | SELECT ShipCountryCode FROM OperationalDB_UK_ShipTo UNION ALL SELECT ShipCountryCode FROM OperationalDB_USA_Orders |
| | DimShipTo | EffectiveDate | DATE | Dimension | 1 | | | | | |
| FactOrders | DimShipTo | ExpiryDate | DATE | Dimension | 1 | | | | | |
| | DimShipTo | IsCurrent | NVARCHAR(3) | Dimension | 1 | | | | | |
| | FactOrders | OrderDate | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimDate, Orders | DateKey | INT | SELECT [DATE].DateKey AS OrderDate FROM OperationalDB_UK_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.OrderDate = [DATE].FullDate Union ALL SELECT [DATE].DateKey AS OrderDate FROM OperationalDB_USA_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.OrderDate = [DATE].FullDate SELECT [DATE].DateKey AS RequiredDate FROM OperationalDB_UK_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.RequiredDate = [DATE].FullDate Union ALL SELECT [DATE].DateKey AS RequiredDate FROM OperationalDB_USA_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.RequiredDate = [DATE].FullDate |
| | FactOrders | RequiredDate | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimDate, Orders | DateKey | INT | SELECT [DATE].DateKey AS RequiredDate FROM OperationalDB_UK_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.RequiredDate = [DATE].FullDate Union ALL SELECT [DATE].DateKey AS RequiredDate FROM OperationalDB_USA_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.RequiredDate = [DATE].FullDate |
| | FactOrders | ShippedDate | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimDate, Orders | DateKey | INT | SELECT [DATE].DateKey AS ShippedDate FROM OperationalDB_UK_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.ShippedDate = [DATE].FullDate Union ALL SELECT [DATE].DateKey AS ShippedDate FROM OperationalDB_USA_Orders AS ORDERS INNER JOIN OperationalDB_DataMart_DimDate AS [DATE] ON ORDERS.ShippedDate = [DATE].FullDate |
| | FactOrders | ProductKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimProduct, OrderDetails | ProductKey | INT | SELECT PRODUCT.ProductKey FROM OperationalDB_UK_Products AS PROD INNER JOIN OperationalDB_DataMart_DimProduct AS PRODUCT ON PROD.ProductID = PRODUCT.ProductID Union ALL SELECT PRODUCT.ProductKey FROM OperationalDB_USA_Products AS PROD INNER JOIN OperationalDB_DataMart_DimProduct AS PRODUCT ON PROD.ProductID = PRODUCT.ProductID |
| | FactOrders | CustomerKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimCustomer, Orders | CustomerKey | INT | SELECT CUSTOMER.CustomerKey FROM OperationalDB_UK_Customers AS CUS INNER JOIN OperationalDB_DataMart_DimCustomer AS CUSTOMER ON CUS.CustomerID = CUSTOMER.CustomerID Union ALL SELECT CUSTOMER.CustomerKey FROM OperationalDB_USA_Customers AS CUS INNER JOIN OperationalDB_DataMart_DimCustomer AS CUSTOMER ON CUS.CustomerID = CUSTOMER.CustomerID |
| | FactOrders | EmployeeKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimEmployee, Orders | EmployeeKey | INT | SELECT EMPLOYEE.EmployeeKey FROM OperationalDB_UK_Employees AS EMP INNER JOIN OperationalDB_DataMart_DimEmployee AS EMPLOYEE ON EMP.EmployeeID = EMPLOYEE.EmployeeID Union ALL SELECT EMPLOYEE.EmployeeKey FROM OperationalDB_USA_Employees AS EMP INNER JOIN OperationalDB_DataMart_DimEmployee AS EMPLOYEE ON EMP.EmployeeID = EMPLOYEE.EmployeeID |
| | FactOrders | ShipperKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimShipper, Orders | ShipperKey | INT | SELECT SHIPPERS.ShipperKey FROM OperationalDB_UK_Shippers AS SHIP INNER JOIN OperationalDB_DataMart_DimShippers AS SHIPPERS ON SHIP.ShipperID = SHIPPERS.ShipperID Union ALL SELECT SHIPPERS.ShipperKey FROM OperationalDB_USA_Shippers AS SHIP INNER JOIN OperationalDB_DataMart_DimShippers AS SHIPPERS ON SHIP.ShipperID = SHIPPERS.ShipperID |
| | FactOrders | ShipToKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimShipTo, Orders | ShipToKey | INT | SELECT SHIPTO.ShipToKey FROM OperationalDB_UK_ShipTo AS SHIP INNER JOIN OperationalDB_DataMart_DimShipTo AS SHIPTO ON SHIP.ShipToName = SHIPTO.ShipToName Union ALL SELECT SHIPTO.ShipToKey FROM OperationalDB_USA_ShipTo AS SHIP INNER JOIN OperationalDB_DataMart_DimShipTo AS SHIPTO ON SHIP.ShipToName = SHIPTO.ShipToName |
| | FactOrders | CurrencyKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimCurrency | CurrencyKey | INT | SELECT CurrencyKey FROM OperationalDB_DataMart_DimCurrency |
| | FactOrders | CompanyLocalKey | INT | Facts | 1 | OperationalDB_DataMart, OperationalDB_UK, OperationalDB_USA | DimCompanyLocal | CompanyLocalKey | INT | SELECT CompanyLocalKey FROM OperationalDB_DataMart_DimCompanyLocal |
| | FactOrders | OrderID | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | Orders | OrdersID | INT | SELECT OrderID FROM OperationalDB_UK_Orders UNION ALL SELECT OrderID FROM OperationalDB_USA_Orders |
| | FactOrders | UnitPrice | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | OrderDetails | UnitPrice | INT | SELECT UnitPrice FROM OperationalDB_UK_OrderDetails UNION ALL SELECT UnitPrice FROM OperationalDB_USA_OrderDetails |

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| | FactOrders | Quantity | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | OrderDetails | Quantity | INT | SELECT Quantity FROM OperationalDB_UK_OrderDetails UNION ALL SELECT Quantity FROM OperationalDB_USA_OrderDetails |
| | FactOrders | TotalCost | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | OrderDetails | | INT | SELECT SUM(UnitPrice * Quantity) AS TotalCost FROM OperationalDB_UK_OrderDetails GROUP BY OrderID UNION ALL SELECT SUM(UnitPrice * Quantity) AS TotalCost FROM OperationalDB_USA_OrderDetails GROUP BY OrderID |
| | FactOrders | DiscountCost | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | OrderDetails | Discount | INT | SELECT Discount AS DiscountCost FROM OperationalDB_UK_OrderDetails UNION ALL SELECT SUM(UnitPrice * Quantity * Discount) AS DiscountCost FROM OperationalDB_USA_OrderDetails |
| | FactOrders | Profit | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | | | INT | SELECT SUM(UnitPrice * Quantity) - SUM(Discount) AS Profit FROM OperationalDB_UK_OrderDetails GROUP BY OrderID UNION ALL SELECT SUM(UnitPrice * Quantity) - SUM(Discount) AS Profit FROM OperationalDB_USA_OrderDetails GROUP BY OrderID |
| | FactOrders | Freight | INT | Facts | 1 | OperationalDB_UK, OperationalDB_USA | Orders | Freight | INT | SELECT Freight FROM OperationalDB_UK_Orders UNION ALL SELECT Freight FROM OperationalDB_USA_Orders |