

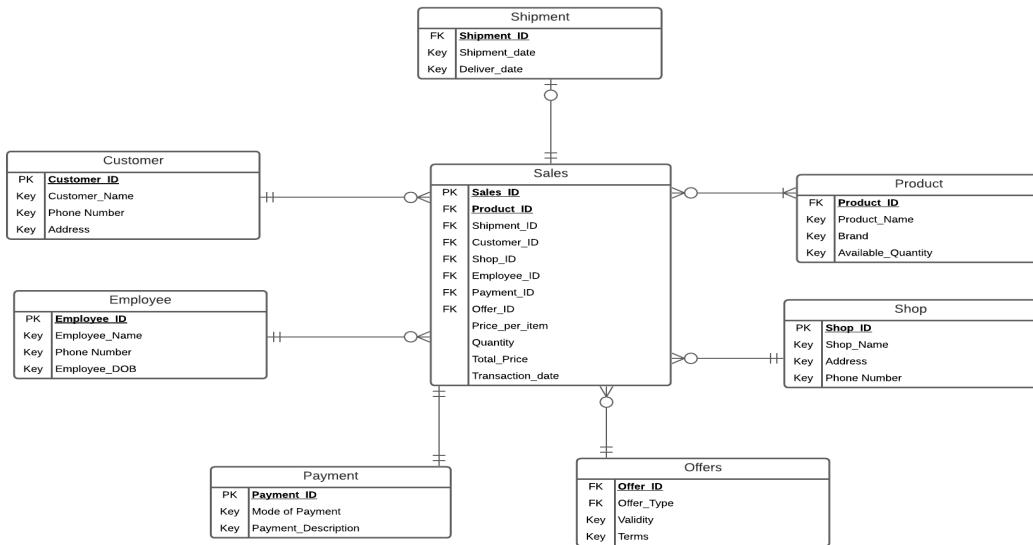
MGS657 Data Warehousing: Installing a SQL Server and Creating a Warehouse

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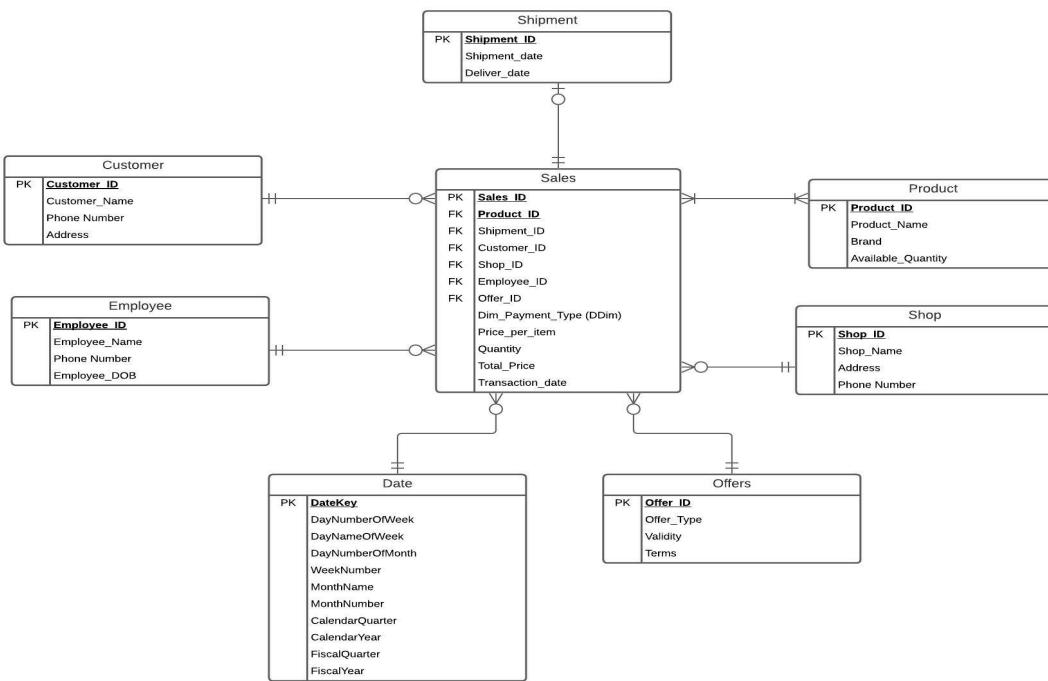
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We first elicited the business requirements and KPIs from the stakeholders by interviewing them iteratively and designed a high-level dimensional model according to the same. We then set the right expectations, clarified the limitations, and conveyed the feasibility to the appropriate stakeholders.



Initial Dimensional Model: Avacados2Go

However, based on the stakeholder's suggestion, we realized that the Dimensional model required changes in terms of Payment and Product dimensions, owing to its many-to-one relationship with the Sales fact. Therefore, it was decided to make Payment a degenerate dimension and the Dim_Payment_Type was included in the Sales Fact table.

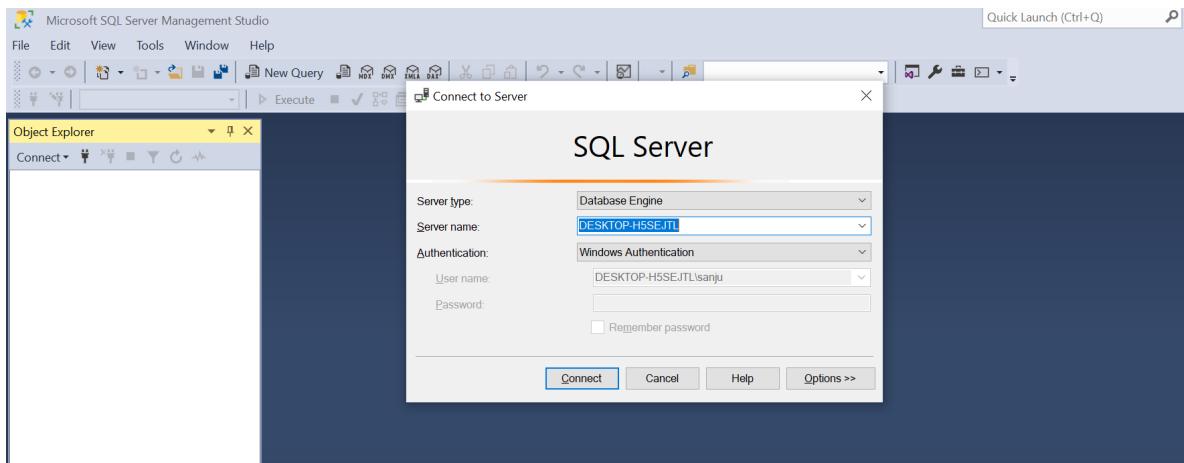


(Updated) Dimensional Model: Avacados2Go

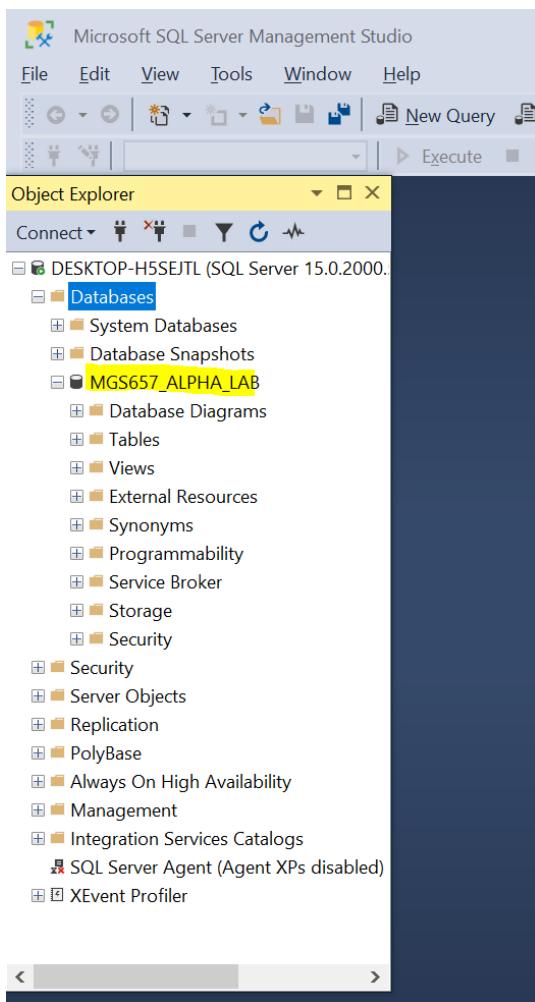
Following this, we started creating the blueprint of the data warehouse in SQL Server.

1. Firstly, we successfully installed SQL Server Management Studio (SSMS) on our Windows machines.
2. We then moved onto creating a database “MGS657_ALPHA_LAB” as a sample project.
3. We then created tables for Employees and Store and a database diagram for the sample project. Screenshots of the same are attached below.
4. Using this experience, we created the database “MGS657_Avacados2Go” database for the project.
5. For this database, we started creating tables for both the Dimensions and Facts listed in the dimensional model.
6. We created tables for the dimensions: Customer (Dim_customer), Employee (Dim_employee), Offers (Dim_offers), Products (Dim_product) and for Shops (Dim_shop).
7. We also created a Fact table with Sales (Fact_Sales).
8. Once done, we started mapping the relationships between the tables. Each of the relationships i.e., Sales and:
 - a. Customer: FK_Sales_Customer_Customer_ID (PK_Customer_ID, FK_Customer_ID)
 - b. Employee: FK_Sales_Employee_Employee_ID (PK_Employee_ID, FK_Employee_ID)
 - c. Offers: FK_Sales_Offer_Offer_ID (PK_Offers_ID, FK_Offer_ID)
 - d. Product: FK_Sales_Product_Product_ID (PK_Product_ID, FK_Product_ID)
 - e. Shipment: FK_Sales_Shipment_Shipment_ID (PK_Shipment_ID, FK_Shipment_ID)
 - f. Shop: FK_Sales_Shop_Shop_ID (PK_Shop_ID, FK_Shop_ID)
 - g. Date: FK_Sales_Date_Datekey (Date_key, FK_date_key)
9. We've also attached screenshots of the Database diagram and Schema changes history below.

SSMS Installation screenshot:



Sample Database creation – Screenshot



Employees

File Edit View Project Table Designer Tools Window Help Full Screen Quick Launch (Ctrl+Q)

DESKTOP-H5SEJTL...A_LAB - dbo.Store DESKTOP-H5SEJTL...B - dbo.Employees DESKTOP-H5SEJTL...Employee_store_ER

Column Name	Data Type	Allow Nulls
EmployeeID	int	<input type="checkbox"/>
FName	varchar(50)	<input checked="" type="checkbox"/>
LName	varchar(50)	<input checked="" type="checkbox"/>
StoreID	int	<input checked="" type="checkbox"/>
Role	varchar(50)	<input checked="" type="checkbox"/>

Column Properties

(General) (Name) EmployeeID
Allow Nulls No
Data Type int
Default Value or Binding
Table Designer Collation <database default>
Computed Column Specification
Condensed Data Type int
Description
Deterministic Yes
DTS-published No
Full-text Specification Has Non-SQL Server Subscriber No
Identity Specification Yes
Indexable Yes
Is Columnset No
Is Sparse No
Merge-published No
Not For Replication No
Replicated No
RowGuid No
Size 4

Identity Specification

Store

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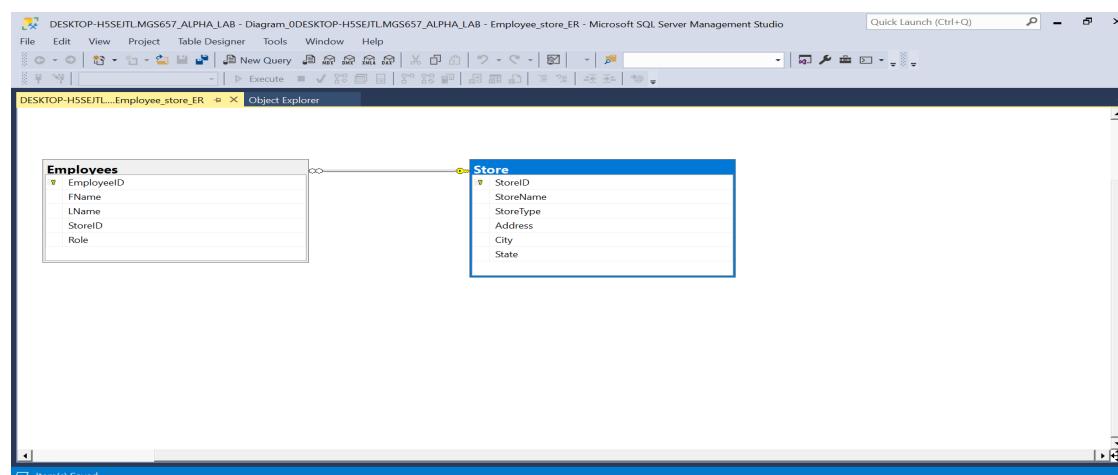
DESKTOP-H5SEJTL...A_LAB - dbo.Store DESKTOP-H5SEJTL...B - dbo.Employees DESKTOP-H5SEJTL...Employee_store_ER

Column Name	Data Type	Allow Nulls
StoreID	int	<input type="checkbox"/>
StoreName	varchar(50)	<input checked="" type="checkbox"/>
StoreType	varchar(50)	<input checked="" type="checkbox"/>
Address	varchar(50)	<input checked="" type="checkbox"/>
City	varchar(50)	<input checked="" type="checkbox"/>
State	varchar(50)	<input checked="" type="checkbox"/>

Column Properties

(General) (Name) StoreID
Allow Nulls No
Data Type int
Default Value or Binding
Table Designer Collation <database default>
Computed Column Specification
Condensed Data Type int
Description
Deterministic Yes
DTS-published No
Full-text Specification Has Non-SQL Server Subscriber No
Identity Specification Yes
Indexable Yes
Is Columnset No
Is Sparse No
Merge-published No
Not For Replication No
Replicated No
RowGuid No
Size 4

Sample Database diagram:



Project Tables Screenshots

Dim_customer

The screenshot shows the Object Explorer on the left and the Table Designer on the right for the Dim_customer table.

Object Explorer:

- Connected to SQL Server 15.0.2000.5 - SIBY\sibya
- Databases: MG5657_Avocados2Go
- Tables: Dim_customer

Table Designer (SIBY.MG5657_Avocados2Go..dbo.dim_customer):

Column Name	Data Type	Allow Nulls
pk_customer_id	int	<input checked="" type="checkbox"/>
cus_first_name	varchar(150)	<input checked="" type="checkbox"/>
cus_last_name	varchar(150)	<input checked="" type="checkbox"/>
cus_phone_no	int	<input checked="" type="checkbox"/>
street_name	varchar(50)	<input checked="" type="checkbox"/>
city	varchar(50)	<input checked="" type="checkbox"/>
state	varchar(50)	<input checked="" type="checkbox"/>
email_address	varchar(50)	<input checked="" type="checkbox"/>

Column Properties (General):

- (Name) pk_customer_id
- Allow Nulls No
- Data Type int
- Default Value or Binding

Table Designer (General):

- Collation <database default>
- Computed Column Specification
- Condensed Data Type int
- Description
- Deterministic Yes
- DTS-published No

Dim_employee

The screenshot shows the Object Explorer on the left and the Table Designer on the right for the Dim_employee table.

Object Explorer:

- Connected to SQL Server 15.0.2000.5 - SIBY\sibya
- Databases: MG5657_Avocados2Go
- Tables: Dim_employee

Table Designer (SIBY.MG5657_Avocados2Go..dbo.dim_employee):

Column Name	Data Type	Allow Nulls
pk_employee_id	int	<input checked="" type="checkbox"/>
emp_first_name	varchar(150)	<input checked="" type="checkbox"/>
emp_last_name	varchar(150)	<input checked="" type="checkbox"/>
emp_phone_no	int	<input checked="" type="checkbox"/>
street_name	varchar(50)	<input checked="" type="checkbox"/>
city	varchar(50)	<input checked="" type="checkbox"/>
state	varchar(50)	<input checked="" type="checkbox"/>
email_address	varchar(50)	<input checked="" type="checkbox"/>

Column Properties (General):

- (Name) pk_employee_id
- Allow Nulls No
- Data Type int
- Default Value or Binding

Table Designer (General):

- Collation <database default>

SIBY.MGS657_Avocados2Go - dbo.dim_employee - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Object Explorer SIBY.MGS657_Avoc..._dbo.dim_employee SIBY.MGS657_Avoc..._dbo.dim_customer SIBY.MGS657_Avoc..._dbo.dim_shop

Column Properties

Table Designer

- Default Value or Binding <database default>
- Computed Column Specification
- Condensed Data Type int
- Description
- Deterministic Yes
- DTS-published No
- Full-text Specification No
- Has Non-SQL Server Subscriber No
- Identity Specification** Yes
 - (Is Identity) Yes
 - Identity Increment 1
 - Identity Seed 1
 - Indexable Yes
 - Is Columnset No
 - Is Sparse No
 - Merge-published No
 - Not For Replication No
 - Replicated No
 - RowGuid No
 - Size 4

Identity Specification

Object Explorer

Connect (SQL Server 15.0.2000.5 - SIBY\sibya)

- Database MG5657_Avocados2Go
- Tables dbo.dim_employee
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- Server Objects
- Replication
- PolyBase

Ready

Windows Taskbar: 7:52 PM 10/24/2021

Dim_offers

SIBY.MGS657_Avocado... - dbo.dim_offers - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Object Explorer SIBY.MGS657_Avoc..._dbo.dim_employee SIBY.MGS657_Avoc..._dbo.dim_customer SIBY.MGS657_Avoc..._dbo.dim_offers

Column Name	Data Type	Allow Nulls
pk_offers_id	int	<input checked="" type="checkbox"/>
offer_type	varchar(150)	<input checked="" type="checkbox"/>
validity	varchar(150)	<input checked="" type="checkbox"/>
terms	varchar(500)	<input checked="" type="checkbox"/>

Column Properties

General

- (Name) pk_offers_id
- Allow Nulls No
- Data Type int
- Default Value or Binding <database default>

Table Designer

- Collation <database default>

Object Explorer

Connect (SQL Server 15.0.2000.5 - SIBY\sibya)

- Database MG5657_Avocados2Go
- Tables dbo.dim_offers
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- Server Objects
- Replication
- PolyBase

SIBY.MGS657_Avocados2Go - dbo.dim_offers - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Object Explorer SIBY.MGS657_Avoc..._dbo.dim_customer SIBY.MGS657_Avoc..._dbo.dim_employee SIBY.MGS657_Avoc..._dbo.dim_offers

Column Properties

Table Designer

- Default Value or Binding <database default>
- Computed Column Specification
- Condensed Data Type int
- Description
- Deterministic Yes
- DTS-published No
- Full-text Specification No
- Has Non-SQL Server Subscriber No
- Identity Specification** Yes
 - (Is Identity) Yes
 - Identity Increment 1
 - Identity Seed 1
 - Indexable Yes
 - Is Columnset No
 - Is Sparse No
 - Merge-published No
 - Not For Replication No
 - Replicated No
 - RowGuid No
 - Size 4

Identity Specification

Object Explorer

Connect (SQL Server 15.0.2000.5 - SIBY\sibya)

- Database MG5657_Avocados2Go
- Tables dbo.dim_offers
- Views
- External Resources
- Synonyms
- Programmability
- Service Broker
- Storage
- Security
- Server Objects
- Replication
- PolyBase

Ready

Windows Taskbar: 7:52 PM 10/24/2021

Dim_product

The screenshot shows the Object Explorer on the left with the database 'SIBY.MG5657_Avocados2Go' selected. In the center, the 'SIBY.MG5657_Avoc...-dbo.dim_product' table is being edited. The 'pk_product_id' column is selected, showing its properties: Data Type is int, Allow Nulls is checked, and Default Value or Binding is set to 'pk_product_id'. Other columns include 'product_name' (varchar(250)), 'brand' (varchar(250)), and 'available_quantity' (int). The 'Table Designer' pane at the bottom shows the general settings for the table.

This screenshot is similar to the previous one, showing the 'SIBY.MG5657_Avoc...-dbo.dim_product' table in the Object Explorer. The 'pk_product_id' column is selected in the table designer, and the 'Identity Specification' section is highlighted, indicating it is set to Yes with an identity increment of 1 and an identity seed of 1. The 'Table Designer' pane at the bottom shows the general settings for the table.

Dim_shipment

The screenshot shows the Object Explorer on the left with the database 'SIBY.MG5657_Avocados2Go' selected. In the center, the 'SIBY.MG5657_Avoc...-dbo.dim_shipment' table is being edited. The 'pk_shipment_id' column is selected, showing its properties: Data Type is int, Allow Nulls is checked, and Default Value or Binding is set to 'pk_shipment_id'. Other columns include 'shipment_date' (datetime) and 'delivery_date' (datetime). The 'Table Designer' pane at the bottom shows the general settings for the table.

SIBY.MGS657_Avocados2Go - dbo.dim_shipment - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

SIBY.MGS657_Avoc..._dbo.dim_employee SIBY.MGS657_Avoca..._dbo.dim_offers SIBY.MGS657_Avoc..._dbo.dim_shipment

Column Properties

Table Designer

- Collation: <database default>
- Computed Column Specification: Condensed Data Type: int
- Description: Deterministic: Yes
- DTS published: No
- Full-text Specification: Has Non-SQL Server Subscriber: No
- Identity Specification: Is Identity: Yes
- Identity Increment: 1
- Identity Seed: 1
- Indexable: Yes
- Is Columnset: No
- Is Sparse: No
- Merge-published: No
- Not For Replication: No
- Replicated: No
- RowGuid: No
- Size: 4

Identity Specification

Dim_shop

SIBY.MGS657_Avocados2Go - dbo.dim_shop - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

SIBY.MGS657_Avoc..._Go - dbo.dim_shop SIBY.MGS657_Avoca..._dbo.dim_shipment SIBY.MGS657_Avoc..._dbo.dim_product

Column Name	Data Type	Allow Null
pk_shop_id	int	<input checked="" type="checkbox"/>
shop_name	varchar(150)	<input checked="" type="checkbox"/>
street_name	varchar(50)	<input checked="" type="checkbox"/>
city	varchar(50)	<input checked="" type="checkbox"/>
state	varchar(50)	<input checked="" type="checkbox"/>
phoneNos	int	<input checked="" type="checkbox"/>

Column Properties

(General)

- (Name): pk_shop_id
- Allow Nulls: No
- Data Type: int
- Default Value or Binding: <database default>

Table Designer

- Collation: <database default>

SIBY.MGS657_Avocados2Go - dbo.dim_shop - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

SIBY.MGS657_Avoc..._offers SIBY.MGS657_Avoca..._dbo.dim_shipment SIBY.MGS657_Avoc..._Go - dbo.dim_shop

Column Properties

Table Designer

- Collation: <database default>
- Computed Column Specification: Condensed Data Type: int
- Description: Deterministic: Yes
- DTS published: No
- Full-text Specification: Has Non-SQL Server Subscriber: No
- Identity Specification: Is Identity: Yes
- Identity Increment: 1
- Identity Seed: 1
- Indexable: Yes
- Is Columnset: No
- Is Sparse: No
- Merge-published: No
- Not For Replication: No
- Replicated: No
- RowGuid: No
- Size: 4

Identity Specification

Dim_date

The screenshot shows the Microsoft SQL Server Management Studio interface. The title bar reads "SIBY.MGS657_Avocados2Go - dbo.dim_date - Microsoft SQL Server Management Studio". The left pane is the Object Explorer, showing a tree view of tables, including "dbo.dim_date". The main pane displays the "Columns" section of the "Dim_date" table. The columns listed are:

Column Name	Data Type	Allow Nulls
DateKey	int	unchecked
DayNumberOfWeek	int	checked
DayNameOfWeek	varchar(250)	checked
DayNumberOfMonth	int	checked
WeekNumber	int	checked
MonthName	varchar(250)	checked
MonthNumber	int	checked
CalendarQuarter	varchar(250)	checked
CalendarYear	int	checked
FiscalQuarter	varchar(250)	checked
FiscalYear	int	checked

Below the table structure, the "Column Properties" pane is open, showing the "General" properties for the "DateKey" column. The properties are:

- (Name) DateKey
- Allow Nulls No
- Data Type int
- Default Value or Binding
- Table Designer Collation <database default>

This screenshot is identical to the one above, showing the Microsoft SQL Server Management Studio interface with the "Dim_date" table structure. The title bar is "SIBY.MGS657_Avocados2Go - dbo.dim_date - Microsoft SQL Server Management Studio". The left pane is the Object Explorer, showing the "dbo.dim_date" table. The main pane shows the "Columns" section of the "Dim_date" table, listing the same 12 columns as the first screenshot. The "Column Properties" pane is also open, showing the "General" properties for the "DateKey" column, which are identical to the first screenshot.

Fact_Sales

The screenshot shows the Microsoft SQL Server Management Studio interface. The left pane displays the Object Explorer with the database structure. The right pane shows the Table Designer for the 'dbo.fact_sales' table. The table has the following columns:

Column Name	Data Type	Allow Nulls
pk_sales_id	int	No
fk_product_id	int	Yes
fk_shipment_id	int	Yes
fk_customer_id	int	Yes
fk_shop_id	int	Yes
fk_employee_id	int	Yes
fk_offer_id	int	Yes
ddim_payment_type	varchar(250)	Yes
price_per_item	decimal(18, 4)	Yes
quantity	int	Yes
total_price	decimal(18, 4)	Yes
transaction_date	datetime	Yes

The 'General' properties for the primary key column 'pk_sales_id' are:

- Name: pk_sales_id
- Allow Nulls: No
- Data Type: int
- Default Value or Binding: <database default>

The screenshot shows the Microsoft SQL Server Management Studio interface. The left pane displays the Object Explorer with the database structure. The right pane shows the Table Designer for the 'dbo.fact_sales' table. The 'Identity Specification' section is highlighted.

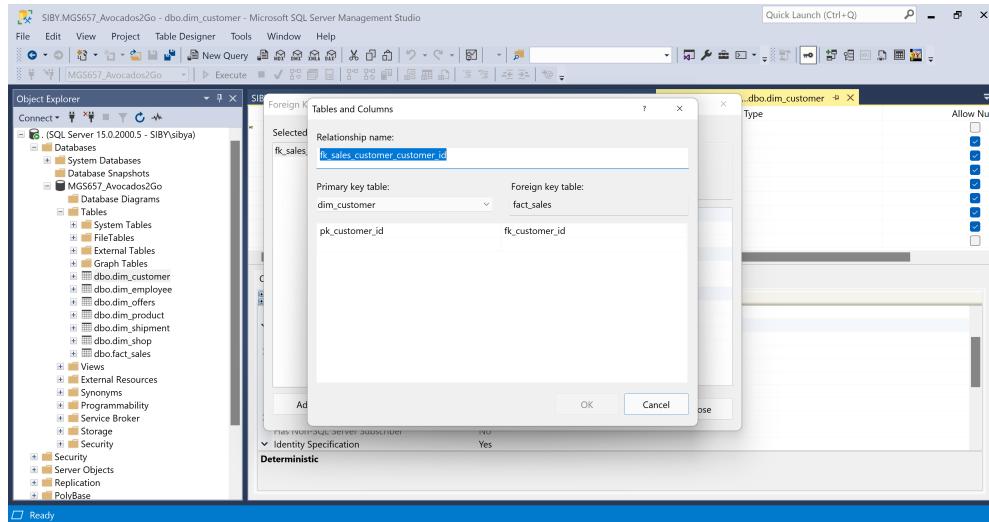
Property	Value
Is Identity	Yes
Identity Increment	1
Identity Seed	1

The 'Table Designer' properties for the primary key column 'pk_sales_id' are:

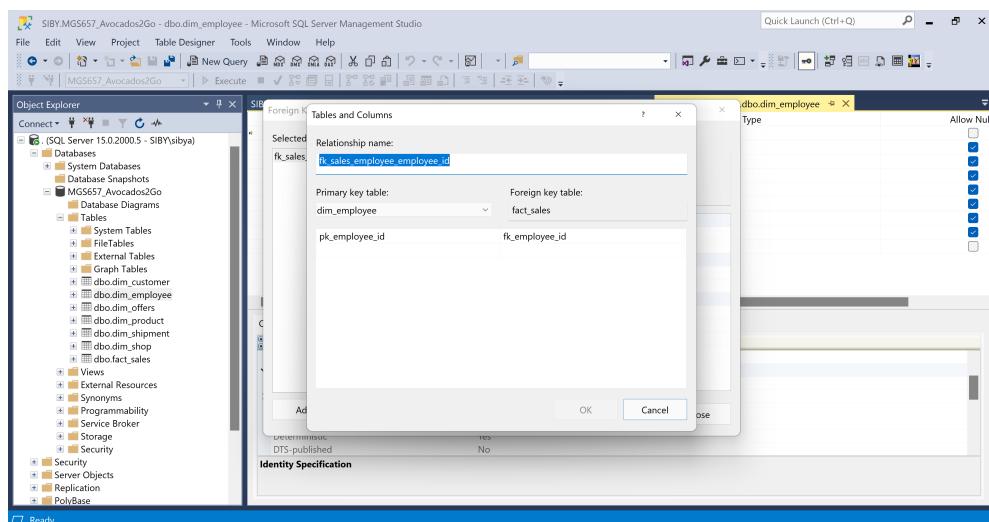
- Collation: <database default>
- Computed Column Specification: int
- Condensed Data Type: int
- Description: Yes
- Deterministic: No
- DTS-published: No
- Full-text Specification: No
- Has Non-SQL Server Subscriber: No
- Identity Specification: Yes
- Is Columnset: No
- Is Sparse: No
- Merge-published: No
- Not For Replication: No
- Replicated: No
- RowGuid: No

Relationships

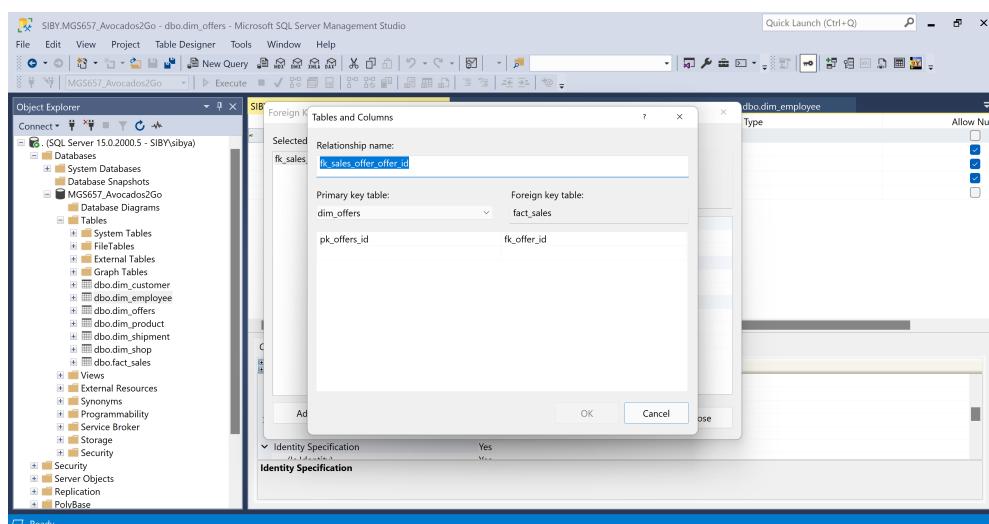
→ Customer and Sales



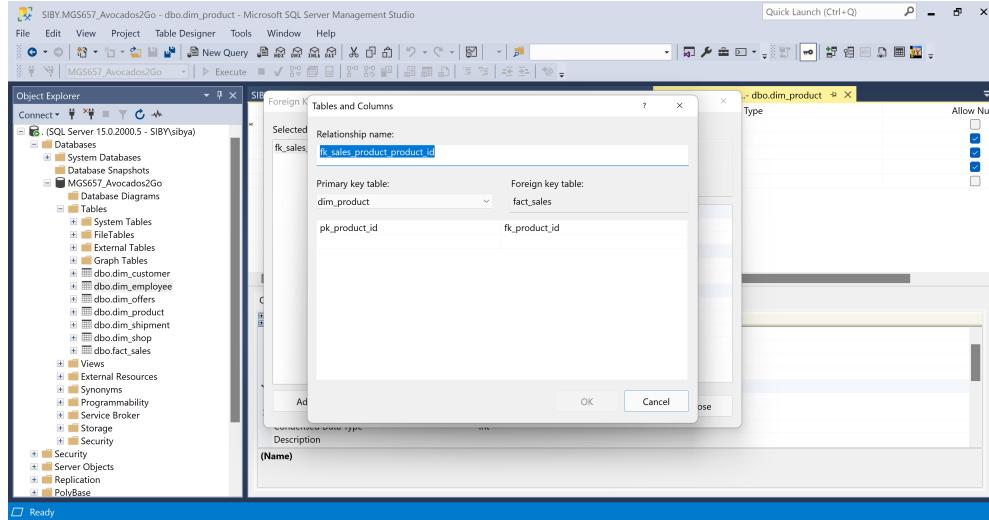
→ Sales and Employee



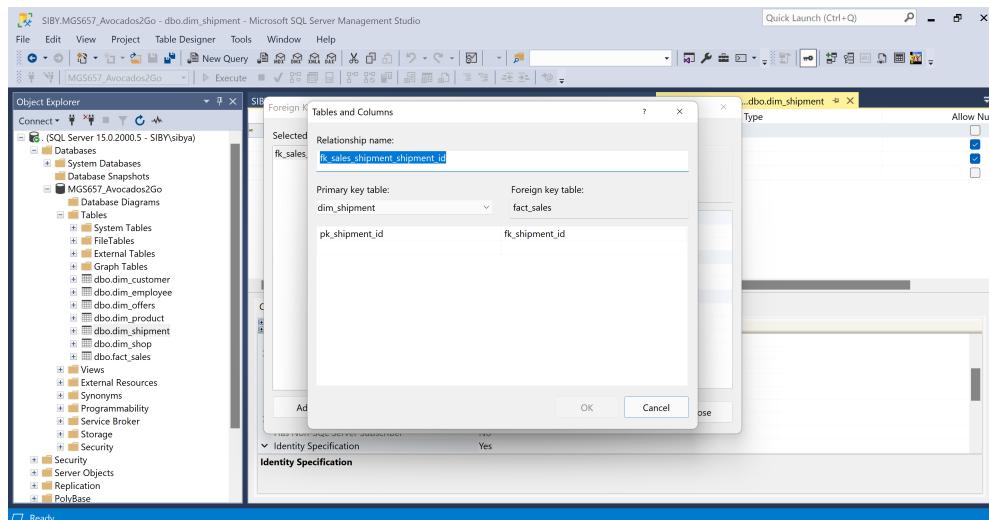
→ Sales and Offers



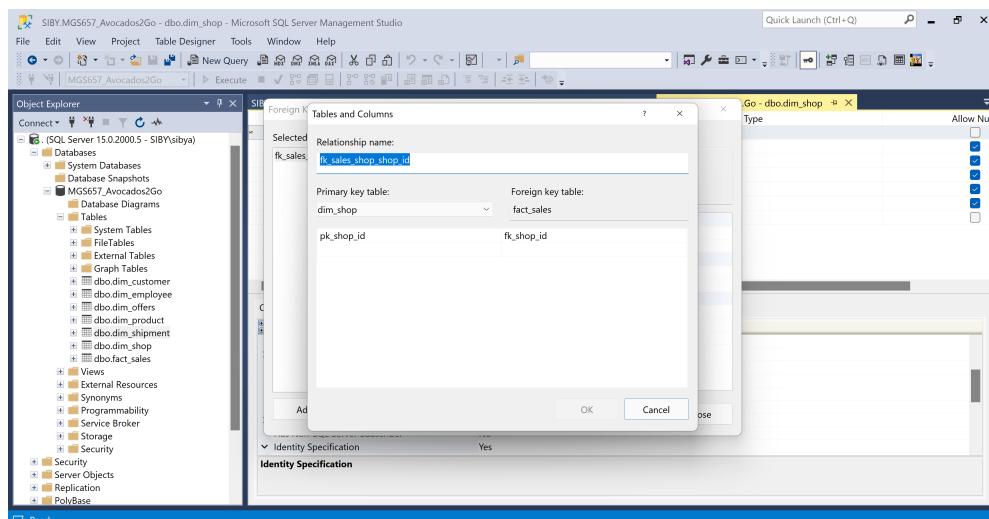
→ Sales and Product



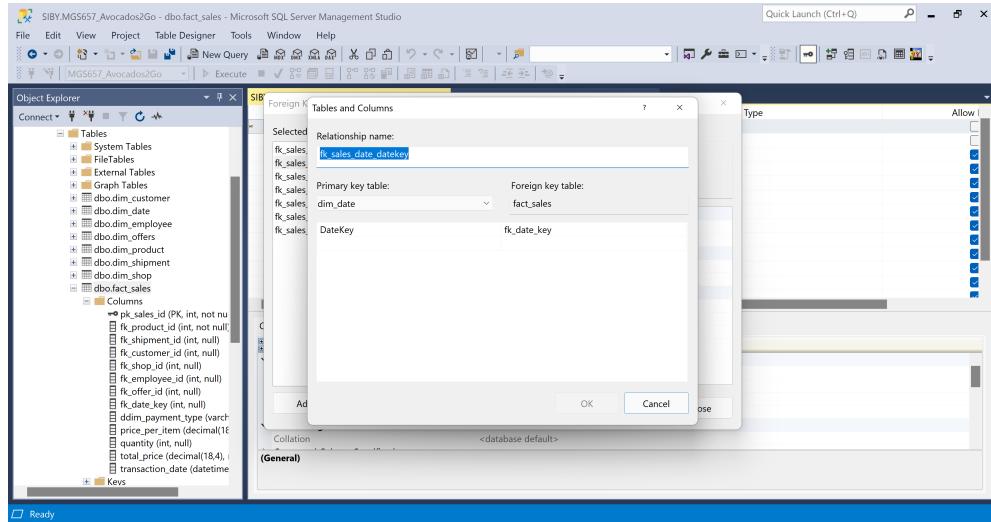
→ Sales and Shipment



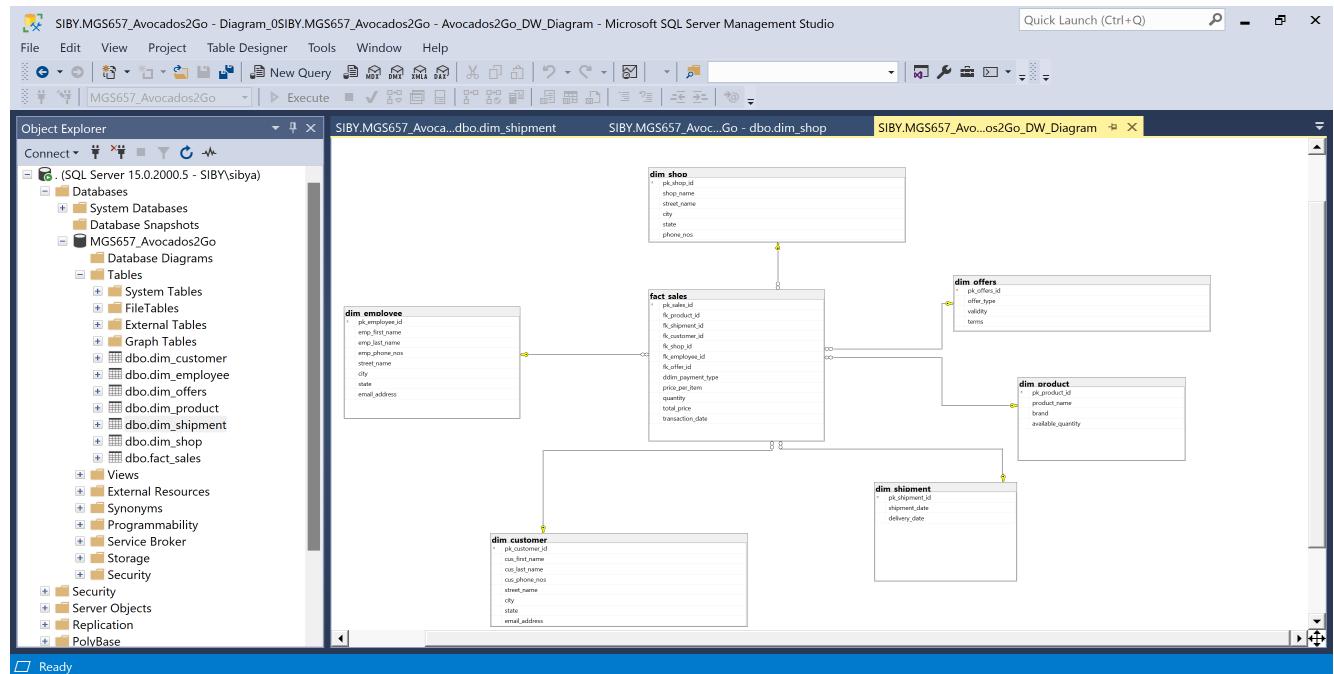
→ Sales and Shop



→ Sales and Date



Database Diagram



Schema Changes History

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

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Object Explorer Schema Changes History [MGS657_Avocados2Go] on SIBY at 10/24/2021 8:04:36 PM

SQL Server

This report provides a history of all committed DDL statement executions within the Database recorded by the default trace.

Schema Change History (Since 10/24/2021 5:36:07 PM). Shows changes made in the schema of the objects by DDL operations.

Object Name	Type		
MGS657_Avocados2Go	Database		
DDL Operation	Time	Login Name	User Name
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
CREATE	10/24/2021 5:36:07 PM	SIBY\sibya	sibya

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

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Object Explorer Schema Changes History [MGS657_Avocados2Go] on SIBY at 10/24/2021 8:04:36 PM

SQL Server

Object Name	Type		
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
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ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 5:36:07 PM	SIBY\sibya	sibya
CREATE	10/24/2021 5:55:18 PM	SIBY\sibya	sibya
DROP	10/24/2021 5:55:14 PM	SIBY\sibya	sibya
CREATE	10/24/2021 5:47:17 PM	SIBY\sibya	sibya

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

Object Explorer Schema Changes History [MGS657_Avocados2Go] on SIBY at 10/24/2021 8:04:36 PM

SQL Server

Object Name	Type		
dim_employee	User Defined Table		
DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:55:33 PM	SIBY\sibya	sibya
dim_offers	User Defined Table		
DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:28 PM	SIBY\sibya	sibya
dim_product	User Defined Table		
DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:08 PM	SIBY\sibya	sibya
dim_shipment	User Defined Table		
DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:46:57 PM	SIBY\sibya	sibya
DROP	10/24/2021 5:46:51 PM	SIBY\sibya	sibya
CREATE	10/24/2021 5:41:06 PM	SIBY\sibya	sibya
dim_shop	User Defined Table		
DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:20 PM	SIBY\sibya	sibya
fact_sales	User Defined Table		
DDL Operation	Time	Login Name	User Name
ALTER	10/24/2021 7:21:07 PM	SIBY\sibya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\sibya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\sibya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\sibya	sibya

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

Object Explorer

Databases: MG5657_Avocados2Go

Tables: fact_sales, fn_diagramobjects, PK_dim_cust_8E186BCC9B7FFB31, PK_dim_cust_8E186BCCA5FAB14, PK_dim_emp_E2B76B9DD0D86EC, PK_dim_offe_A921740E4EA619D, PK_dim_produ_5BEF7A455AAAF2E, PK_dim_ship_41466E596731A01, sp_

Schema Changes Hi...021 8:04 PM - SIBY MG5657_Avoca...dbo.dim_shipment SIBY.MG5657_Avoc...Go - dbo.dim_shop

fact_sales

DDL Operation	Time	Login Name	User Name
ALTER	10/24/2021 7:21:07 PM	SIBY\slbya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\slbya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\slbya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\slbya	sibya
ALTER	10/24/2021 7:20:14 PM	SIBY\slbya	sibya
CREATE	10/24/2021 6:06:48 PM	SIBY\slbya	sibya

fn_diagramobjects

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCC9B7FFB31

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:55:18 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCCA5FAB14

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:47:17 PM	SIBY\slbya	sibya

PK_dim_emp_E2B76B9DD0D86EC

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:55:33 PM	SIBY\slbya	sibya

PK_dim_offe_A921740E4EA619D

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:30:33 PM	SIBY\slbya	sibya

PK_dim_produ_5BEF7A455AAAF2E

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:08 PM	SIBY\slbya	sibya

PK_dim_ship_41466E596731A01

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:41:06 PM	SIBY\slbya	sibya

PK_dim_shop_74829267B556D45

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:20 PM	SIBY\slbya	sibya

PK_fact_sal_1FAF7A7C2AEADA2F

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:06:48 PM	SIBY\slbya	sibya

PK_sysdiagram_C2B05B61EEE297C

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

sp_

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

Object Explorer

Databases: MG5657_Avocados2Go

Tables: fact_sales, fn_diagramobjects, PK_dim_cust_8E186BCC9B7FFB31, PK_dim_cust_8E186BCCA5FAB14, PK_dim_emp_E2B76B9DD0D86EC, PK_dim_offe_A921740E4EA619D, PK_dim_produ_5BEF7A455AAAF2E, PK_dim_ship_41466E596731A01, PK_dim_shop_74829267B556D45, PK_fact_sal_1FAF7A7C2AEADA2F, PK_sysdiagram_C2B05B61EEE297C, sp_

Schema Changes Hi...021 8:04 PM - SIBY MG5657_Avoca...dbo.dim_shipment SIBY.MG5657_Avoc...Go - dbo.dim_shop

fact_sales

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:30:33 PM	SIBY\slbya	sibya

fn_diagramobjects

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:28 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCC9B7FFB31

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:55:18 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCCA5FAB14

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:47:17 PM	SIBY\slbya	sibya

PK_dim_emp_E2B76B9DD0D86EC

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:55:33 PM	SIBY\slbya	sibya

PK_dim_offe_A921740E4EA619D

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:30:33 PM	SIBY\slbya	sibya

PK_dim_produ_5BEF7A455AAAF2E

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:08 PM	SIBY\slbya	sibya

PK_dim_ship_41466E596731A01

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 5:41:06 PM	SIBY\slbya	sibya

PK_dim_shop_74829267B556D45

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:01:20 PM	SIBY\slbya	sibya

PK_fact_sal_1FAF7A7C2AEADA2F

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:06:48 PM	SIBY\slbya	sibya

PK_sysdiagram_C2B05B61EEE297C

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

sp_

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

Object Explorer

Databases: MG5657_Avocados2Go

Tables: fact_sales, fn_diagramobjects, PK_dim_cust_8E186BCC9B7FFB31, PK_dim_cust_8E186BCCA5FAB14, PK_dim_emp_E2B76B9DD0D86EC, PK_dim_offe_A921740E4EA619D, PK_dim_produ_5BEF7A455AAAF2E, PK_dim_ship_41466E596731A01, PK_dim_shop_74829267B556D45, PK_fact_sal_1FAF7A7C2AEADA2F, PK_sysdiagram_C2B05B61EEE297C, sp_

Schema Changes Hi...021 8:04 PM - SIBY MG5657_Avoca...dbo.dim_shipment SIBY.MG5657_Avoc...Go - dbo.dim_shop

fact_sales

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

fn_diagramobjects

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCC9B7FFB31

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_cust_8E186BCCA5FAB14

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_emp_E2B76B9DD0D86EC

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_offe_A921740E4EA619D

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_produ_5BEF7A455AAAF2E

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_ship_41466E596731A01

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_dim_shop_74829267B556D45

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_fact_sal_1FAF7A7C2AEADA2F

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

PK_sysdiagram_C2B05B61EEE297C

DDL Operation	Time	Login Name	User Name
CREATE	10/24/2021 6:09:35 PM	SIBY\slbya	sibya

sp_

Ready

Schema Changes History - 10/24/2021 8:04 PM - SIBY - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

Schemas Changes History - 10/24/2021 8:04 PM - SIBY - SIBY.MG5657_Avocados2Go - dbo.dim.shipment

SIBY.MG5657_Avocados2Go - dbo.dim.shop

	CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya
sp_dropdatalogram	Stored-Procedure			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
sp_helpdatalogramdefinition	Stored-Procedure			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
sp_helpdiagrams	Stored-Procedure			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
sp_renamedatalogram	Stored-Procedure			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
sp_upgradediagrams	Stored-Procedure			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
sysdiagrams	User Defined Table			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	
UK_principal_name	Index			
CREATE	10/24/2021 6:09:35 PM	SIBY\sibya	sibya	

Ready

Schema Changes History - 10/28/2021 6:36 PM - SIBY - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

Schemas Changes History - 10/28/2021 6:36 PM - SIBY - SIBY.MG5657_Avocados2Go_DW_Diagram*

SIBY.MG5657_Avocados2Go - dbo.dim.date

SQL Server

Schema Changes History [MGS657_Avocados2Go] on SIBY at 10/28/2021 6:36:11 PM

This report provides a history of all committed DDL statement executions within the Database recorded by the default trace.

Schema Change History (Since 10/24/2021 5:36:07 PM).

Shows changes made in the schema of the objects by DDL operations.

Object Name	Type		
MGS657_Avocados2Go	Database		
dim_customer	User Defined Table		
dim_date	User Defined Table		
CREATE	10/28/2021 6:26:49 PM	SIBY\sibya	sibya
dim_employee	User Defined Table		
dim_offers	User Defined Table		
dim_product	User Defined Table		
dim_shipment	User Defined Table		
dim_shop	User Defined Table		
fact_sales	User Defined Table		
fn_diagramobjects	Scalar SQL Function		

Ready

Schema Changes History - 10/28/2021 6:36 PM - SIBY - Microsoft SQL Server Management Studio

File Edit View Project Table Designer Tools Window Help

New Query Execute

Object Explorer

Schemas Changes History - 10/28/2021 6:36 PM - SIBY - SIBY.MG5657_Avocados2Go_DW_Diagram*

SIBY.MG5657_Avocados2Go - dbo.dim.date

	CREATE	10/28/2021 6:26:49 PM	SIBY\sibya	sibya
dim_shipment	User Defined Table			
dim_shop	User Defined Table			
fact_sales	User Defined Table			
fn_diagramobjects	Scalar SQL Function			
PK_dim_cust_0E186BCC9B7FFB31	Index			
PK_dim_cust_0E186BCCA5FAB14	Index			
PK_dim_prod_40DF45E346197A8A	Index			
CREATE	10/28/2021 6:26:49 PM	SIBY\sibya	sibya	
PK_dim_empl_E2B76B90D0B0B6EC	Index			
PK_dim_ofte_A921740DE4EA619D	Index			
PK_dim_prod_5BEF7A455AAA0F2E	Index			
PK_dim_shop_41466E5967313A01	Index			
PK_dim_ship_FD4566887D03BC00	Index			
PK_dim_shop_749292967B556045	Index			
PK_fact_sal_1FAFA7C2AEADA2F	Index			
PK_fact_sal_1FAFA7C2F8020E2D	Index			
PK_sysdiagr_C2B05B614EEE297C	Index			
sp_alterdiagram	Stored-Procedure			
sp_creatediagram	Stored-Procedure			
sp_dropdiagram	Stored-Procedure			

Ready