Synapse Physical Model

Schema for:

Model name: Synapse AdventureWorks
Author:
Version:
File name: Pepsi-Synapse_AdventureWorks_AFTER_inferring_PK-FK.hck.json
File path: /Users/rvanbruggen/Documents/HackoladeRepo/1-Customers/Pepsi/Pepsi-Synapse_AdventureWorks_AFTER_inferring_PK-FK.hck.json
Printed On: Fri Jul 07 2023 15:28:09 GMT+0200 (Central European Summer Time)
Created with: Hackolade - Polyglot data modeling for NoSQL databases, storage formats, REST APIs, and JSON in RDBMS

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3.32 fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey
3.33 fk FactResellerSales.ResellerKey to DimReseller.ResellerKey
3.34 fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber
3.35 fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
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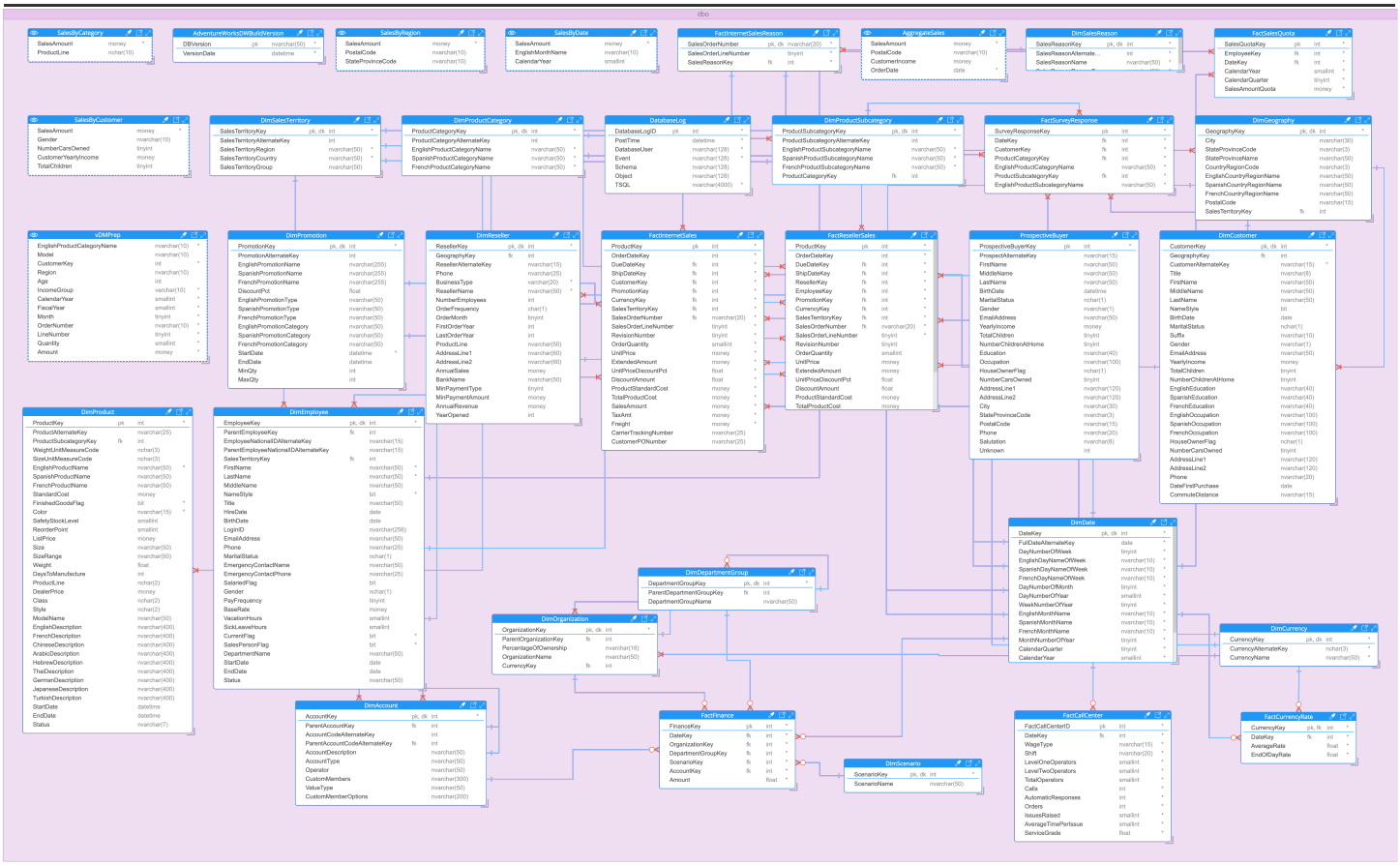
1. MODEL

1.1 Model Synapse AdventureWorks

1.1.1 Synapse AdventureWorks Entity Relationship Diagram


dbo
SalesByCategory
AdventureWorksDWBuildVersion
SalesByRegion
SalesByDate
FactInternetSalesReason
AggregateSales
DimSalesReason
FactSalesQuota
SalesByCustomer
DimSalesTerritory
DimProductCategory
DatabaseLog
DimProductSubcategory
FactSurveyResponse
DimGeography
vDMPrep
DimPromotion
DimReseller
FactInternetSales
FactResellerSales
ProspectiveBuyer
DimCustomer
DimProduct
DimEmployee
DimDate
DimDepartmentGroup
DimOrganization
DimCurrency
DimAccount
FactFinance
DimScenario
FactCallCenter
FactCurrencyRate

1.1.2 Synapse AdventureWorks Properties

1.1.2.1 Details tab

PROPERTY	VALUE
Model name	Synapse AdventureWorks
Technical name	
Description	Model based on the AdventureWorks sample databases https://docs.microsoft.com/en-us/sql/samples/adventureworks-install-configure?view=sql-server-ver15&tabs=ssms
Author	
Version	
Synchronization Id	e42cbfb0-bba4-11ea-91a7-efa8d96c78e7
DB vendor	Synapse
Modeling methodology	
Tenant	
Account ID	
Resource group	
Subscription	
Preferred location	
Tags	
Performance level	
Collation	
Maintenance schedule	
Geo-backup policy	
Lineage capture	
Polyglot models	
Comments	

1.1.3 Synapse AdventureWorks User-Defined Types

1.1.3.1 Column Name

1.1.3.1.1 Name properties

PROPERTY	VALUE
Business Name	Name
Technical name	
Id	
Type	char
Subtype	nvarchar
Has max length	
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

1.1.3.2 Column NameStyle

1.1.3.2.1 NameStyle properties

PROPERTY	VALUE
Business Name	NameStyle
Technical name	
Id	
Type	numeric
Subtype	bit
Default	((0))
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	
Remarks	

1.1.3.3 Column Phone

1.1.3.3.1 Phone properties

PROPERTY	VALUE
Business Name	Phone
Technical name	
Id	
Type	char
Subtype	nvarchar
Has max length	
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

1.1.3.4 Column Flag

1.1.3.4.1 Flag properties

PROPERTY	VALUE
Business Name	Flag
Technical name	
Id	
Type	numeric
Subtype	bit
Default	1
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	
Remarks	

1.1.3.5 Column OrderNumber

1.1.3.5.1 OrderNumber properties

PROPERTY	VALUE
Business Name	OrderNumber
Technical name	
Id	
Type	char
Subtype	nvarchar
Has max length	
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

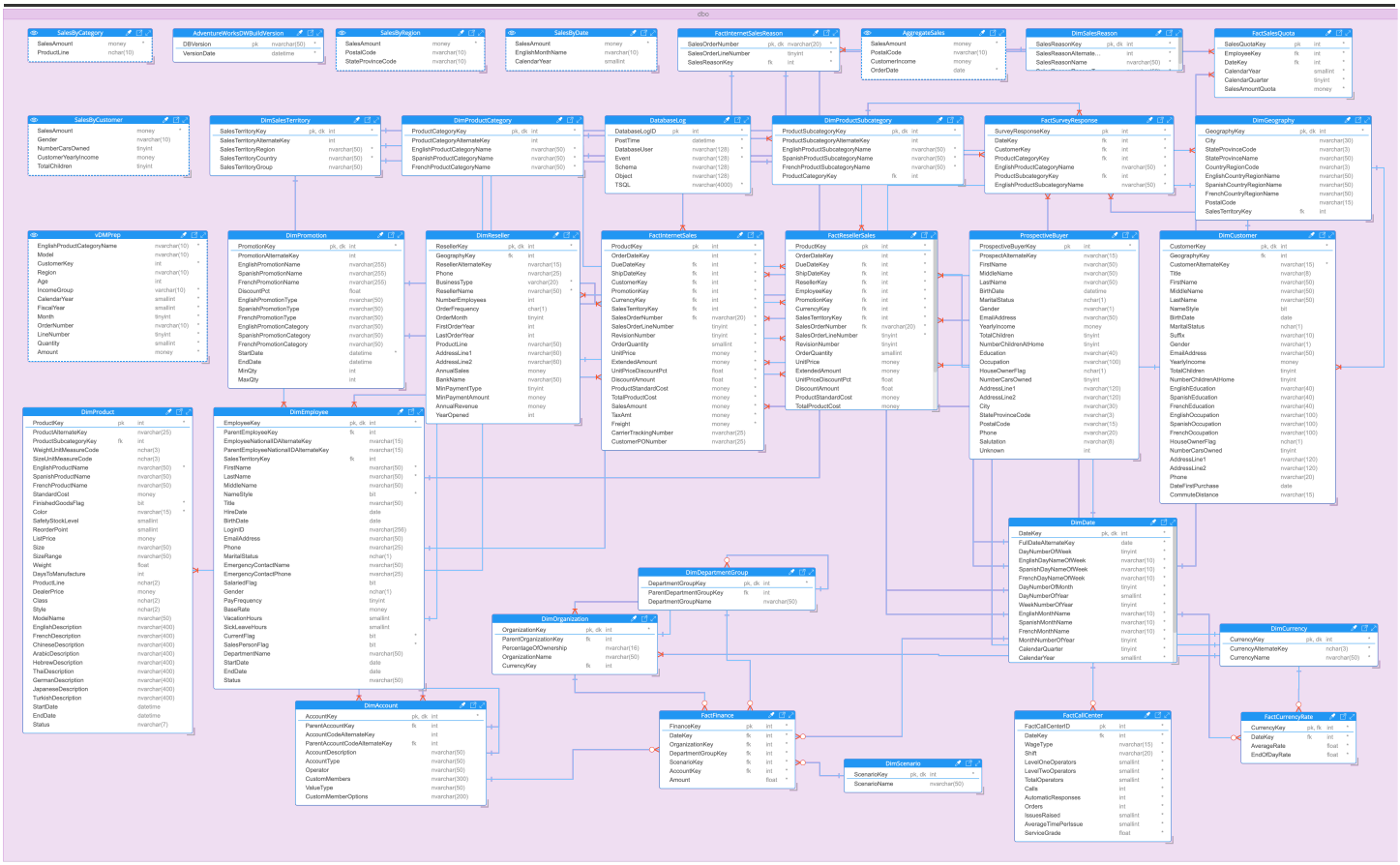
1.1.3.6 Column AccountNumber

1.1.3.6.1 AccountNumber properties

PROPERTY	VALUE
Business Name	AccountNumber
Technical name	
Id	
Type	char
Subtype	nvarchar
Has max length	
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	false
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2. SCHEMAS

2.1 Schema dbo



2.1.1 dbo Properties

PROPERTY	VALUE
Schema name	dbo
Technical name	
Activated	true
Comments	
If not exist	
Remarks	
Database name	hacksqlpool

2.1.2 dbo Tables

2.1.2.1 Table AdventureWorksDWBuildVersion

2.1.2.1.1 AdventureWorksDWBuildVersion Properties

PROPERTY	VALUE
Table	AdventureWorksDWBuildVersion
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.1.2 AdventureWorksDWBuildVersion Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
DBVersion	nvarchar(50)	true	pk		
VersionDate	datetime	true			

2.1.2.1.2.1 Column DBVersion

2.1.2.1.2.1.1 DBVersion properties

PROPERTY	VALUE
Business Name	DBVersion
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	10.00.3590.01
Remarks	

2.1.2.1.2.2 Column VersionDate

2.1.2.1.2.2.1 VersionDate properties

PROPERTY	VALUE
Business Name	VersionDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2012-07-07T19:49:42.000Z
Remarks	

2.1.2.1.3 AdventureWorksDWBuildVersion Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.1.4 AdventureWorksDWBuildVersion JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "AdventureWorksDWBuildVersion",
    "additionalProperties": false,
    "properties": {
        "DBVersion": {
            "type": "string"
        },
        "VersionDate": {
            "type": "string",
            "maxLength": 24
        }
    },
    "required": [
        "DBVersion",
        "VersionDate"
    ]
}
```

2.1.2.1.5 AdventureWorksDWBuildVersion JSON data

```
{
    "DBVersion": "10.00.3590.01",
    "VersionDate": "2012-07-07T19:49:42.000Z"
}
```

2.1.2.1.6 AdventureWorksDWBuildVersion Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
        CREATE DATABASE [hacksqlpool];
        USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[AdventureWorksDWBuildVersion] (
        [DBVersion] NVARCHAR(50) PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
        [VersionDate] DATETIME NOT NULL
)WITH (
        CLUSTERED COLUMNSTORE INDEX,
        DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.2 Table DatabaseLog

2.1.2.2.1 DatabaseLog Properties

PROPERTY	VALUE
Table	DatabaseLog
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.2.2 DatabaseLog Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
DatabaseLogID	int	true	pk		
PostTime	datetime	true			
DatabaseUser	nvarchar(128)	true			
Event	nvarchar(128)	true			
Schema	nvarchar(128)	false			
Object	nvarchar(128)	false			
TSQL	nvarchar(4000)	true			

2.1.2.2.2.1 Column DatabaseLogID

2.1.2.2.2.1.1 DatabaseLogID properties

PROPERTY	VALUE
Business Name	DatabaseLogID
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	99
Remarks	

2.1.2.2.2 Column PostTime

2.1.2.2.2.1 PostTime properties

PROPERTY	VALUE
Business Name	PostTime
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2010-01-15T11:01:11.130Z
Remarks	

2.1.2.2.3 Column DatabaseUser

2.1.2.2.2.3.1 DatabaseUser properties

PROPERTY	VALUE
Business Name	DatabaseUser
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	128
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	dbo
Remarks	

2.1.2.2.4 Column Event

2.1.2.2.2.4.1 Event properties

PROPERTY	VALUE
Business Name	Event
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	128
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	ALTER_TABLE
Remarks	

2.1.2.2.5 Column Schema

2.1.2.2.2.5.1 Schema properties

PROPERTY	VALUE
Business Name	Schema
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	128
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	dbo
Remarks	

2.1.2.2.2.6 Column Object

2.1.2.2.2.6.1 Object properties

PROPERTY	VALUE
Business Name	Object
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	128
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	FactFinance
Remarks	

2.1.2.2.2.7 Column TSQL

2.1.2.2.7.1 TSQL properties

PROPERTY	VALUE
Business Name	TSQL
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	4000
JSON Types	string
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	ALTER TABLE [dbo].[FactFinance] ADD CONSTRAINT [FK_FactFinance_DimAccount] FOREIGN KEY ([AccountKey]) REFERENCES [dbo].[DimAccount] ([AccountKey]),CONSTRAINT [FK_FactFinance_DimDepartmentGroup] FOREIGN KEY ([DepartmentGroupKey]) REFERENCES [dbo].[DimDepartmentGroup] ([DepartmentGroupKey]),CONSTRAINT [FK_FactFinance_DimOrganization] FOREIGN KEY ([OrganizationKey]) REFERENCES [dbo].[DimOrganization] ([OrganizationKey]),CONSTRAINT [FK_FactFinance_DimScenario] FOREIGN KEY ([ScenarioKey]) REFERENCES [dbo].[DimScenario] ([ScenarioKey]),CONSTRAINT [FK_FactFinance_DimDate] FOREIGN KEY ([DateKey]) REFERENCES [dbo].[DimDate] ([DateKey]);
Remarks	

2.1.2.2.3 DatabaseLog Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.2.4 DatabaseLog JSON Schema

```
{
   "$schema": "http://json-schema.org/draft-04/schema#",
   "type": "object",
   "title": "DatabaseLog",
   "additionalProperties": false,
   "properties": {
      "DatabaseLogID": {
         "type": "number"
      },
      "PostTime": {
         "type": "string",
         "maxLength": 24
      },
      "DatabaseUser": {
         "type": "string"
      },
      "Event": {
         "type": "string"
      },
      "Schema": {
         "type": "string"
      },
      "Object": {
         "type": "string"
      },
      "TSQL": {
         "type": "string"
      }
   },
   "required": [
      "DatabaseLogID",
      "PostTime",
      "DatabaseUser",
      "Event",
      "TSQL"
   ]
}
```

2.1.2.2.5 DatabaseLog JSON data

```
{
   "DatabaseLogID": 99,
   "PostTime": "2010-01-15T11:01:11.130Z",
   "DatabaseUser": "dbo",
   "Event": "ALTER_TABLE",
   "Schema": "dbo",
   "Object": "FactFinance",
   "TSQL": "ALTER TABLE [dbo].[FactFinance] ADD CONSTRAINT [FK_FactFinance_DimAccount] FOREIGN KEY ([AccountKey])
REFERENCES [dbo].[DimAccount] ([AccountKey]),CONSTRAINT [FK_FactFinance_DimDepartmentGroup] FOREIGN KEY
([DepartmentGroupKey]) REFERENCES [dbo].[DimDepartmentGroup] ([DepartmentGroupKey]),CONSTRAINT
[FK_FactFinance_DimOrganization] FOREIGN KEY ([OrganizationKey]) REFERENCES [dbo].[DimOrganization]
([OrganizationKey]),CONSTRAINT [FK_FactFinance_DimScenario] FOREIGN KEY ([ScenarioKey]) REFERENCES [dbo].
[DimScenario] ([ScenarioKey]),CONSTRAINT [FK_FactFinance_DimDate] FOREIGN KEY ([DateKey]) REFERENCES [dbo].
[DimDate] ([DateKey]);"
}
```


2.1.2.2.6 DatabaseLog Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DatabaseLog] (
	[DatabaseLogID] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[PostTime] DATETIME NOT NULL,
	[DatabaseUser] NVARCHAR(128) NOT NULL,
	[Event] NVARCHAR(128) NOT NULL,
	[Schema] NVARCHAR(128),
	[Object] NVARCHAR(128),
	[TSQL] NVARCHAR(4000) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.3 Table DimAccount

2.1.2.3.1 DimAccount Properties

PROPERTY	VALUE
Table	DimAccount
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.3.2 DimAccount Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
AccountKey	int	true	pk, dk		
ParentAccountKey	int	false	fk		
AccountCodeAlternateKey	int	false			
ParentAccountCodeAlternateKey	int	false	fk		
AccountDescription	nvarchar(50)	false			
AccountType	nvarchar(50)	false			
Operator	nvarchar(50)	false			
CustomMembers	nvarchar(300)	false			
ValueType	nvarchar(50)	false			
CustomMemberOptions	nvarchar(200)	false			

2.1.2.3.2.1 Column AccountKey

2.1.2.3.2.1.1 AccountKey properties

PROPERTY	VALUE
Business Name	AccountKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	101
Remarks	

2.1.2.3.2.2 Column ParentAccountKey

2.1.2.3.2.2.1 ParentAccountKey properties

PROPERTY	VALUE
Business Name	ParentAccountKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimAccount
Foreign field	AccountKey
Relationship type	Foreign Key
Relationship name	fk DimAccount.ParentAccountKey to DimAccount.AccountKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	51
Remarks	

2.1.2.3.2.3 Column AccountCodeAlternateKey

2.1.2.3.2.3.1 AccountCodeAlternateKey properties

PROPERTY	VALUE
Business Name	AccountCodeAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4200
Remarks	

2.1.2.3.2.4 Column ParentAccountCodeAlternateKey

2.1.2.3.2.4.1 ParentAccountCodeAlternateKey properties

PROPERTY	VALUE
Business Name	ParentAccountCodeAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimAccount
Foreign field	AccountKey
Relationship type	Foreign Key
Relationship name	fk DimAccount.ParentAccountCodeAlternateKey to DimAccount.AccountKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4110
Remarks	

2.1.2.3.2.5 Column AccountDescription

2.1.2.3.2.5.1 AccountDescription properties

PROPERTY	VALUE
Business Name	AccountDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Trade Sales
Remarks	

2.1.2.3.2.6 Column AccountType

2.1.2.3.2.6.1 AccountType properties

PROPERTY	VALUE
Business Name	AccountType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Revenue
Remarks	

2.1.2.3.2.7 Column Operator

2.1.2.3.2.7.1 Operator properties

PROPERTY	VALUE
Business Name	Operator
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	+
Remarks	

2.1.2.3.2.8 Column CustomMembers

2.1.2.3.2.8.1 CustomMembers properties

PROPERTY	VALUE
Business Name	CustomMembers
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	300
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	[Account].[Accounts].[Account Level 04].&[50]/[Account].[Accounts].[Account Level 02].&[97]
Remarks	

2.1.2.3.2.9 Column ValueType

2.1.2.3.2.9.1 ValueType properties

PROPERTY	VALUE
Business Name	ValueType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Currency
Remarks	

2.1.2.3.2.10 Column CustomMemberOptions

2.1.2.3.2.10.1 CustomMemberOptions properties

PROPERTY	VALUE
Business Name	CustomMemberOptions
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	200
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2.1.2.3.3 DimAccount Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.3.4 DimAccount JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimAccount",
    "additionalProperties": false,
    "properties": {
        "AccountKey": {
            "type": "number"
        },
        "ParentAccountKey": {
            "type": "number"
        },
        "AccountCodeAlternateKey": {
            "type": "number"
        },
        "ParentAccountCodeAlternateKey": {
            "type": "number"
        },
        "AccountDescription": {
            "type": "string"
        },
        "AccountType": {
            "type": "string"
        },
        "Operator": {
            "type": "string"
        },
        "CustomMembers": {
            "type": "string"
        },
        "ValueType": {
            "type": "string"
        },
        "CustomMemberOptions": {
            "type": "string"
        }
    },
    "required": [
        "AccountKey"
    ]
}
```


2.1.2.3.5 DimAccount JSON data


```
{
    "AccountKey": 101,
    "ParentAccountKey": 51,
    "AccountCodeAlternateKey": 4200,
    "ParentAccountCodeAlternateKey": 4110,
    "AccountDescription": "Trade Sales",
    "AccountType": "Revenue",
    "Operator": "+",
    "CustomMembers": "[Account].[Accounts].[Account Level 04].&[50]/[Account].[Accounts].[Account Level 02].&[97]",
    "ValueType": "Currency",
    "CustomMemberOptions": "Lorem"
}
```

2.1.2.3.6 DimAccount Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimAccount] (
	[AccountKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentAccountKey] INT,
	[AccountCodeAlternateKey] INT,
	[ParentAccountCodeAlternateKey] INT,
	[AccountDescription] NVARCHAR(50),
	[AccountType] NVARCHAR(50),
	[Operator] NVARCHAR(50),
	[CustomMembers] NVARCHAR(300),
	[ValueType] NVARCHAR(50),
	[CustomMemberOptions] NVARCHAR(200)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.4 Table DimCurrency

2.1.2.4.1 DimCurrency Properties

PROPERTY	VALUE
Table	DimCurrency
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.4.2 DimCurrency Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
CurrencyKey	int	true	pk, dk		
CurrencyAlternateKey	nchar(3)	true			
CurrencyName	nvarchar(50)	true			

2.1.2.4.2.1 Column CurrencyKey

2.1.2.4.2.1.1 CurrencyKey properties

PROPERTY	VALUE
Business Name	CurrencyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	101
Remarks	

2.1.2.4.2.2 Column CurrencyAlternateKey

2.1.2.4.2.2.1 CurrencyAlternateKey properties

PROPERTY	VALUE
Business Name	CurrencyAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	KRW
Remarks	

2.1.2.4.2.3 Column CurrencyName

2.1.2.4.2.3.1 CurrencyName properties

PROPERTY	VALUE
Business Name	CurrencyName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Won
Remarks	

2.1.2.4.3 DimCurrency Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.4.4 DimCurrency JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimCurrency",
    "additionalProperties": false,
    "properties": {
        "CurrencyKey": {
            "type": "number"
        },
        "CurrencyAlternateKey": {
            "type": "string"
        },
        "CurrencyName": {
            "type": "string"
        }
    },
    "required": [
        "CurrencyKey",
        "CurrencyAlternateKey",
        "CurrencyName"
    ]
}
```

2.1.2.4.5 DimCurrency JSON data

```
{
    "CurrencyKey": 101,
    "CurrencyAlternateKey": "KRW",
    "CurrencyName": "Won"
}
```

2.1.2.4.6 DimCurrency Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
        CREATE DATABASE [hacksqlpool];
        USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimCurrency] (
        [CurrencyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
        [CurrencyAlternateKey] NCHAR(3) NOT NULL,
        [CurrencyName] NVARCHAR(50) NOT NULL
)WITH (
        CLUSTERED COLUMNSTORE INDEX,
        DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.5 Table DimCustomer

2.1.2.5.1 DimCustomer Properties

PROPERTY	VALUE
Table	DimCustomer
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.5.2 DimCustomer Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
CustomerKey	int	true	pk, dk		
GeographyKey	int	false	fk		
CustomerAlternateKey	nvarchar(15)	true			
Title	nvarchar(8)	false			
FirstName	nvarchar(50)	false			
MiddleName	nvarchar(50)	false			
LastName	nvarchar(50)	false			
NameStyle	bit	false			
BirthDate	date	false			
MaritalStatus	nchar(1)	false			
Suffix	nvarchar(10)	false			
Gender	nvarchar(1)	false			
EmailAddress	nvarchar(50)	false			
YearlyIncome	money	false			
TotalChildren	tinyint	false			
NumberChildrenAtHome	tinyint	false			
EnglishEducation	nvarchar(40)	false			
SpanishEducation	nvarchar(40)	false			
FrenchEducation	nvarchar(40)	false			
EnglishOccupation	nvarchar(100)	false			
SpanishOccupation	nvarchar(100)	false			
FrenchOccupation	nvarchar(100)	false			
HouseOwnerFlag	nchar(1)	false			
NumberCarsOwned	tinyint	false			
AddressLine1	nvarchar(120)	false			
AddressLine2	nvarchar(120)	false			
Phone	nvarchar(20)	false			
DateFirstPurchase	date	false			
CommuteDistance	nvarchar(15)	false			

2.1.2.5.2.1 Column CustomerKey

2.1.2.5.2.1.1 CustomerKey properties

PROPERTY	VALUE
Business Name	CustomerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	17900
Remarks	

2.1.2.5.2.2 Column GeographyKey

2.1.2.5.2.2.1 GeographyKey properties

PROPERTY	VALUE
Business Name	GeographyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimGeography
Foreign field	GeographyKey
Relationship type	Foreign Key
Relationship name	fk DimCustomer.GeographyKey to DimGeography.GeographyKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	204
Remarks	

2.1.2.5.2.3 Column CustomerAlternateKey

2.1.2.5.2.3.1 CustomerAlternateKey properties

PROPERTY	VALUE
Business Name	CustomerAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	AW00017900
Remarks	

2.1.2.5.2.4 Column Title

2.1.2.5.2.4.1 Title properties

PROPERTY	VALUE
Business Name	Title
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	8
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Ms.
Remarks	

2.1.2.5.2.5 Column FirstName

2.1.2.5.2.5.1 FirstName properties

PROPERTY	VALUE
Business Name	FirstName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Victoria
Remarks	

2.1.2.5.2.6 Column MiddleName

2.1.2.5.2.6.1 MiddleName properties

PROPERTY	VALUE
Business Name	MiddleName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	L.
Remarks	

2.1.2.5.2.7 Column LastName

2.1.2.5.2.7.1 LastName properties

PROPERTY	VALUE
Business Name	LastName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Snowden
Remarks	

2.1.2.5.2.8 Column NameStyle

2.1.2.5.2.8.1 NameStyle properties

PROPERTY	VALUE
Business Name	NameStyle
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	false
Remarks	

2.1.2.5.2.9 Column BirthDate

2.1.2.5.2.9.1 BirthDate properties

PROPERTY	VALUE
Business Name	BirthDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	1942-08-06T00:00:00.000Z
Remarks	

2.1.2.5.2.10 Column MaritalStatus

2.1.2.5.2.10.1 MaritalStatus properties

PROPERTY	VALUE
Business Name	MaritalStatus
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	S
Remarks	

2.1.2.5.2.11 Column Suffix

2.1.2.5.2.11.1 Suffix properties

PROPERTY	VALUE
Business Name	Suffix
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2.1.2.5.2.12 Column Gender

2.1.2.5.2.12.1 Gender properties

PROPERTY	VALUE
Business Name	Gender
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	F
Remarks	

2.1.2.5.2.13 Column EmailAddress

2.1.2.5.2.13.1 EmailAddress properties

PROPERTY	VALUE
Business Name	EmailAddress
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	victoria0@adventure-works.com
Remarks	

2.1.2.5.2.14 Column YearlyIncome

2.1.2.5.2.14.1 YearlyIncome properties

PROPERTY	VALUE
Business Name	YearlyIncome
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	10000
Remarks	

2.1.2.5.2.15 Column TotalChildren

2.1.2.5.2.15.1 TotalChildren properties

PROPERTY	VALUE
Business Name	TotalChildren
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	3
Remarks	

2.1.2.5.2.16 Column NumberChildrenAtHome

2.1.2.5.2.16.1 NumberChildrenAtHome properties

PROPERTY	VALUE
Business Name	NumberChildrenAtHome
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.5.2.17 Column EnglishEducation

2.1.2.5.2.17.1 EnglishEducation properties

PROPERTY	VALUE
Business Name	EnglishEducation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	40
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Partial College
Remarks	

2.1.2.5.2.18 Column SpanishEducation

2.1.2.5.2.18.1 SpanishEducation properties

PROPERTY	VALUE
Business Name	SpanishEducation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	40
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Estudios universitarios (en curso)
Remarks	

2.1.2.5.2.19 Column FrenchEducation

2.1.2.5.2.19.1 FrenchEducation properties

PROPERTY	VALUE
Business Name	FrenchEducation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	40
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Baccalauréat
Remarks	

2.1.2.5.2.20 Column EnglishOccupation

2.1.2.5.2.20.1 EnglishOccupation properties

PROPERTY	VALUE
Business Name	EnglishOccupation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	100
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Manual
Remarks	

2.1.2.5.2.21 Column SpanishOccupation

2.1.2.5.2.21.1 SpanishOccupation properties

PROPERTY	VALUE
Business Name	SpanishOccupation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	100
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Obrero
Remarks	

2.1.2.5.2.22 Column FrenchOccupation

2.1.2.5.2.22.1 FrenchOccupation properties

PROPERTY	VALUE
Business Name	FrenchOccupation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	100
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Ouvrier
Remarks	

2.1.2.5.2.23 Column HouseOwnerFlag

2.1.2.5.2.23.1 HouseOwnerFlag properties

PROPERTY	VALUE
Business Name	HouseOwnerFlag
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.5.2.24 Column NumberCarsOwned

2.1.2.5.2.24.1 NumberCarsOwned properties

PROPERTY	VALUE
Business Name	NumberCarsOwned
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.5.2.25 Column AddressLine1

2.1.2.5.2.25.1 AddressLine1 properties

PROPERTY	VALUE
Business Name	AddressLine1
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	120
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	8, rue de l´Avenir
Remarks	

2.1.2.5.2.26 Column AddressLine2

2.1.2.5.2.26.1 AddressLine2 properties

PROPERTY	VALUE
Business Name	AddressLine2
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	120
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	# 103
Remarks	

2.1.2.5.2.27 Column Phone

2.1.2.5.2.27.1 Phone properties

PROPERTY	VALUE
Business Name	Phone
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	574-555-0100
Remarks	

2.1.2.5.2.28 Column DateFirstPurchase

2.1.2.5.2.28.1 DateFirstPurchase properties

PROPERTY	VALUE
Business Name	DateFirstPurchase
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2003-06-04T00:00:00.000Z
Remarks	

2.1.2.5.2.29 Column CommuteDistance

2.1.2.5.2.29.1 CommuteDistance properties

PROPERTY	VALUE
Business Name	CommuteDistance
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1-2 Miles
Remarks	

2.1.2.5.3 DimCustomer Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.5.4 DimCustomer JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimCustomer",
    "additionalProperties": false,
    "properties": {
        "CustomerKey": {
            "type": "number"
        },
        "GeographyKey": {
            "type": "number"
        },
        "CustomerAlternateKey": {
            "type": "string"
        },
        "Title": {
            "type": "string"
        },
        "FirstName": {
            "type": "string"
        },
        "MiddleName": {
            "type": "string"
        },
        "LastName": {
            "type": "string"
        },
        "NameStyle": {
            "type": "number"
        },
        "BirthDate": {
            "type": "string",
            "maxLength": 24
        },
        "MaritalStatus": {
            "type": "string"
        },
        "Suffix": {
            "type": "string"
        },
        "Gender": {
            "type": "string"
        },
        "EmailAddress": {
            "type": "string"
        },
        "YearlyIncome": {
            "type": "number"
        },
        "TotalChildren": {
            "type": "number"
        },
        "NumberChildrenAtHome": {
            "type": "number"
        },
        "EnglishEducation": {
            "type": "string"
        },
        "SpanishEducation": {
            "type": "string"
```

```
        },
        "FrenchEducation": {
            "type": "string"
        },
        "EnglishOccupation": {
            "type": "string"
        },
        "SpanishOccupation": {
            "type": "string"
        },
        "FrenchOccupation": {
            "type": "string"
        },
        "HouseOwnerFlag": {
            "type": "string"
        },
        "NumberCarsOwned": {
            "type": "number"
        },
        "AddressLine1": {
            "type": "string"
        },
        "AddressLine2": {
            "type": "string"
        },
        "Phone": {
            "type": "string"
        },
        "DateFirstPurchase": {
            "type": "string",
            "maxLength": 24
        },
        "CommuteDistance": {
            "type": "string"
        }
    },
    "required": [
        "CustomerKey",
        "CustomerAlternateKey"
    ]
}
```


2.1.2.5.5 DimCustomer JSON data

```
{
    "CustomerKey": 17900,
    "GeographyKey": 204,
    "CustomerAlternateKey": "AW00017900",
    "Title": "Ms.",
    "FirstName": "Victoria",
    "MiddleName": "L.",
    "LastName": "Snowden",
    "NameStyle": false,
    "BirthDate": "1942-08-06T00:00:00.000Z",
    "MaritalStatus": "S",
    "Suffix": "Lorem",
    "Gender": "F",
    "EmailAddress": "victoria0@adventure-works.com",
    "YearlyIncome": 10000,
    "TotalChildren": 3,
    "NumberChildrenAtHome": 0,
    "EnglishEducation": "Partial College",
    "SpanishEducation": "Estudios universitarios (en curso)",
    "FrenchEducation": "Baccalauréat",
    "EnglishOccupation": "Manual",
    "SpanishOccupation": "Obrero",
    "FrenchOccupation": "Ouvrier",
    "HouseOwnerFlag": "1",
    "NumberCarsOwned": 1,
    "AddressLine1": "8, rue de l´Avenir",
    "AddressLine2": "# 103",
    "Phone": "574-555-0100",
    "DateFirstPurchase": "2003-06-04T00:00:00.000Z",
    "CommuteDistance": "1-2 Miles"
}
```


2.1.2.5.6 DimCustomer Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimCustomer] (
	[CustomerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[GeographyKey] INT,
	[CustomerAlternateKey] NVARCHAR(15) NOT NULL,
	[Title] NVARCHAR(8),
	[FirstName] NVARCHAR(50),
	[MiddleName] NVARCHAR(50),
	[LastName] NVARCHAR(50),
	[NameStyle] BIT,
	[BirthDate] DATE,
	[MaritalStatus] NCHAR(1),
	[Suffix] NVARCHAR(10),
	[Gender] NVARCHAR(1),
	[EmailAddress] NVARCHAR(50),
	[YearlyIncome] MONEY,
	[TotalChildren] TINYINT,
	[NumberChildrenAtHome] TINYINT,
	[EnglishEducation] NVARCHAR(40),
	[SpanishEducation] NVARCHAR(40),
	[FrenchEducation] NVARCHAR(40),
	[EnglishOccupation] NVARCHAR(100),
	[SpanishOccupation] NVARCHAR(100),
	[FrenchOccupation] NVARCHAR(100),
	[HouseOwnerFlag] NCHAR(1),
	[NumberCarsOwned] TINYINT,
	[AddressLine1] NVARCHAR(120),
	[AddressLine2] NVARCHAR(120),
	[Phone] NVARCHAR(20),
	[DateFirstPurchase] DATE,
	[CommuteDistance] NVARCHAR(15)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.6 Table DimDate

2.1.2.6.1 DimDate Properties

PROPERTY	VALUE
Table	DimDate
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.6.2 DimDate Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
DateKey	int	true	pk, dk		
FullDateAlternateKey	date	true			
DayNumberOfWeek	tinyint	true			
EnglishDayNameOfWeek	nvarchar(10)	true			
SpanishDayNameOfWeek	nvarchar(10)	true			
FrenchDayNameOfWeek	nvarchar(10)	true			
DayNumberOfMonth	tinyint	true			
DayNumberOfYear	smallint	true			
WeekNumberOfYear	tinyint	true			
EnglishMonthName	nvarchar(10)	true			
SpanishMonthName	nvarchar(10)	true			
FrenchMonthName	nvarchar(10)	true			
MonthNumberOfYear	tinyint	true			
CalendarQuarter	tinyint	true			
CalendarYear	smallint	true			
CalendarSemester	tinyint	true			
FiscalQuarter	tinyint	true			
FiscalYear	smallint	true			
FiscalSemester	tinyint	true			

2.1.2.6.2.1 Column DateKey

2.1.2.6.2.1.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20040501
Remarks	

2.1.2.6.2.2 Column FullDateAlternateKey

2.1.2.6.2.2.1 FullDateAlternateKey properties

PROPERTY	VALUE
Business Name	FullDateAlternateKey
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2004-05-01T00:00:00.000Z
Remarks	

2.1.2.6.2.3 Column DayNumberOfWeek

2.1.2.6.2.3.1 DayNumberOfWeek properties

PROPERTY	VALUE
Business Name	DayNumberOfWeek
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	7
Remarks	

2.1.2.6.2.4 Column EnglishDayNameOfWeek

2.1.2.6.2.4.1 EnglishDayNameOfWeek properties

PROPERTY	VALUE
Business Name	EnglishDayNameOfWeek
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Saturday
Remarks	

2.1.2.6.2.5 Column SpanishDayNameOfWeek

2.1.2.6.2.5.1 SpanishDayNameOfWeek properties

PROPERTY	VALUE
Business Name	SpanishDayNameOfWeek
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Sábado
Remarks	

2.1.2.6.2.6 Column FrenchDayNameOfWeek

2.1.2.6.2.6.1 FrenchDayNameOfWeek properties

PROPERTY	VALUE
Business Name	FrenchDayNameOfWeek
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Samedi
Remarks	

2.1.2.6.2.7 Column DayNumberOfMonth

2.1.2.6.2.7.1 DayNumberOfMonth properties

PROPERTY	VALUE
Business Name	DayNumberOfMonth
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.6.2.8 Column DayNumberOfYear

2.1.2.6.2.8.1 DayNumberOfYear properties

PROPERTY	VALUE
Business Name	DayNumberOfYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	122
Remarks	

2.1.2.6.2.9 Column WeekNumberOfYear

2.1.2.6.2.9.1 WeekNumberOfYear properties

PROPERTY	VALUE
Business Name	WeekNumberOfYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	18
Remarks	

2.1.2.6.2.10 Column EnglishMonthName

2.1.2.6.2.10.1 EnglishMonthName properties

PROPERTY	VALUE
Business Name	EnglishMonthName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	May
Remarks	

2.1.2.6.2.11 Column SpanishMonthName

2.1.2.6.2.11.1 SpanishMonthName properties

PROPERTY	VALUE
Business Name	SpanishMonthName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mayo
Remarks	

2.1.2.6.2.12 Column FrenchMonthName

2.1.2.6.2.12.1 FrenchMonthName properties

PROPERTY	VALUE
Business Name	FrenchMonthName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	10
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mai
Remarks	

2.1.2.6.2.13 Column MonthNumberOfYear

2.1.2.6.2.13.1 MonthNumberOfYear properties

PROPERTY	VALUE
Business Name	MonthNumberOfYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	5
Remarks	

2.1.2.6.2.14 Column CalendarQuarter

2.1.2.6.2.14.1 CalendarQuarter properties

PROPERTY	VALUE
Business Name	CalendarQuarter
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.6.2.15 Column CalendarYear

2.1.2.6.2.15.1 CalendarYear properties

PROPERTY	VALUE
Business Name	CalendarYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2004
Remarks	

2.1.2.6.2.16 Column CalendarSemester

2.1.2.6.2.16.1 CalendarSemester properties

PROPERTY	VALUE
Business Name	CalendarSemester
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.6.2.17 Column FiscalQuarter

2.1.2.6.2.17.1 FiscalQuarter properties

PROPERTY	VALUE
Business Name	FiscalQuarter
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.6.2.18 Column FiscalYear

2.1.2.6.2.18.1 FiscalYear properties

PROPERTY	VALUE
Business Name	FiscalYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2004
Remarks	

2.1.2.6.2.19 Column FiscalSemester

2.1.2.6.2.19.1 FiscalSemester properties

PROPERTY	VALUE
Business Name	FiscalSemester
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.6.3 DimDate Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.6.4 DimDate JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimDate",
    "additionalProperties": false,
    "properties": {
        "DateKey": {
            "type": "number"
        },
        "FullDateAlternateKey": {
            "type": "string",
            "maxLength": 24
        },
        "DayNumberOfWeek": {
            "type": "number"
        },
        "EnglishDayNameOfWeek": {
            "type": "string"
        },
        "SpanishDayNameOfWeek": {
            "type": "string"
        },
        "FrenchDayNameOfWeek": {
            "type": "string"
        },
        "DayNumberOfMonth": {
            "type": "number"
        },
        "DayNumberOfYear": {
            "type": "number"
        },
        "WeekNumberOfYear": {
            "type": "number"
        },
        "EnglishMonthName": {
            "type": "string"
        },
        "SpanishMonthName": {
            "type": "string"
        },
        "FrenchMonthName": {
            "type": "string"
        },
        "MonthNumberOfYear": {
            "type": "number"
        },
        "CalendarQuarter": {
            "type": "number"
        },
        "CalendarYear": {
            "type": "number"
        },
        "CalendarSemester": {
            "type": "number"
        },
        "FiscalQuarter": {
            "type": "number"
        },
        "FiscalYear": {
            "type": "number"
```

```
        },
        "FiscalSemester": {
            "type": "number"
        }
    },
    "required": [
        "DateKey",
        "FullDateAlternateKey",
        "DayNumberOfWeek",
        "EnglishDayNameOfWeek",
        "SpanishDayNameOfWeek",
        "FrenchDayNameOfWeek",
        "DayNumberOfMonth",
        "DayNumberOfYear",
        "WeekNumberOfYear",
        "EnglishMonthName",
        "SpanishMonthName",
        "FrenchMonthName",
        "MonthNumberOfYear",
        "CalendarQuarter",
        "CalendarYear",
        "CalendarSemester",
        "FiscalQuarter",
        "FiscalYear",
        "FiscalSemester"
    ]
}
```


2.1.2.6.5 DimDate JSON data


```
{
    "DateKey": 20040501,
    "FullDateAlternateKey": "2004-05-01T00:00:00.000Z",
    "DayNumberOfWeek": 7,
    "EnglishDayNameOfWeek": "Saturday",
    "SpanishDayNameOfWeek": "Sábado",
    "FrenchDayNameOfWeek": "Samedi",
    "DayNumberOfMonth": 1,
    "DayNumberOfYear": 122,
    "WeekNumberOfYear": 18,
    "EnglishMonthName": "May",
    "SpanishMonthName": "Mayo",
    "FrenchMonthName": "Mai",
    "MonthNumberOfYear": 5,
    "CalendarQuarter": 2,
    "CalendarYear": 2004,
    "CalendarSemester": 1,
    "FiscalQuarter": 4,
    "FiscalYear": 2004,
    "FiscalSemester": 2
}
```


2.1.2.6.6 DimDate Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimDate] (
	[DateKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[FullDateAlternateKey] DATE NOT NULL,
	[DayNumberOfWeek] TINYINT NOT NULL,
	[EnglishDayNameOfWeek] NVARCHAR(10) NOT NULL,
	[SpanishDayNameOfWeek] NVARCHAR(10) NOT NULL,
	[FrenchDayNameOfWeek] NVARCHAR(10) NOT NULL,
	[DayNumberOfMonth] TINYINT NOT NULL,
	[DayNumberOfYear] SMALLINT NOT NULL,
	[WeekNumberOfYear] TINYINT NOT NULL,
	[EnglishMonthName] NVARCHAR(10) NOT NULL,
	[SpanishMonthName] NVARCHAR(10) NOT NULL,
	[FrenchMonthName] NVARCHAR(10) NOT NULL,
	[MonthNumberOfYear] TINYINT NOT NULL,
	[CalendarQuarter] TINYINT NOT NULL,
	[CalendarYear] SMALLINT NOT NULL,
	[CalendarSemester] TINYINT NOT NULL,
	[FiscalQuarter] TINYINT NOT NULL,
	[FiscalYear] SMALLINT NOT NULL,
	[FiscalSemester] TINYINT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.7 Table DimDepartmentGroup

2.1.2.7.1 DimDepartmentGroup Properties

PROPERTY	VALUE
Table	DimDepartmentGroup
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.7.2 DimDepartmentGroup Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
DepartmentGroupKey	int	true	pk, dk		
ParentDepartmentGroupKey	int	false	fk		
DepartmentGroupName	nvarchar(50)	false			

2.1.2.7.2.1 Column DepartmentGroupKey

2.1.2.7.2.1.1 DepartmentGroupKey properties

PROPERTY	VALUE
Business Name	DepartmentGroupKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.7.2.2 Column ParentDepartmentGroupKey

2.1.2.7.2.2.1 ParentDepartmentGroupKey properties

PROPERTY	VALUE
Business Name	ParentDepartmentGroupKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDepartmentGroup
Foreign field	DepartmentGroupKey
Relationship type	Foreign Key
Relationship name	fk DimDepartmentGroup.DepartmentGroupKey to DimDepartmentGroup.ParentDepartmentGroupKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.7.2.3 Column DepartmentGroupName

2.1.2.7.2.3.1 DepartmentGroupName properties

PROPERTY	VALUE
Business Name	DepartmentGroupName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Manufacturing
Remarks	

2.1.2.7.3 DimDepartmentGroup Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.7.4 DimDepartmentGroup JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimDepartmentGroup",
    "additionalProperties": false,
    "properties": {
        "DepartmentGroupKey": {
            "type": "number"
        },
        "ParentDepartmentGroupKey": {
            "type": "number"
        },
        "DepartmentGroupName": {
            "type": "string"
        }
    },
    "required": [
        "DepartmentGroupKey"
    ]
}
```


2.1.2.7.5 DimDepartmentGroup JSON data


```
{
    "DepartmentGroupKey": 4,
    "ParentDepartmentGroupKey": 1,
    "DepartmentGroupName": "Manufacturing"
}
```


2.1.2.7.6 DimDepartmentGroup Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
        CREATE DATABASE [hacksqlpool];
        USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimDepartmentGroup] (
        [DepartmentGroupKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
        [ParentDepartmentGroupKey] INT,
        [DepartmentGroupName] NVARCHAR(50)
)WITH (
        CLUSTERED COLUMNSTORE INDEX,
        DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.8 Table DimEmployee

2.1.2.8.1 DimEmployee Properties

PROPERTY	VALUE
Table	DimEmployee
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.8.2 DimEmployee Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
EmployeeKey	int	true	pk, dk		
ParentEmployeeKey	int	false	fk		
EmployeeNationalIDAlternateKey	nvarchar(15)	false			
ParentEmployeeNationalIDAlternateKey	nvarchar(15)	false			
SalesTerritoryKey	int	false	fk		
FirstName	nvarchar(50)	true			
LastName	nvarchar(50)	true			
MiddleName	nvarchar(50)	false			
NameStyle	bit	true			
Title	nvarchar(50)	false			
HireDate	date	false			
BirthDate	date	false			
LoginID	nvarchar(256)	false			
EmailAddress	nvarchar(50)	false			
Phone	nvarchar(25)	false			
MaritalStatus	nchar(1)	false			
EmergencyContactName	nvarchar(50)	false			
EmergencyContactPhone	nvarchar(25)	false			
SalariedFlag	bit	false			
Gender	nchar(1)	false			
PayFrequency	tinyint	false			
BaseRate	money	false			
VacationHours	smallint	false			
SickLeaveHours	smallint	false			
CurrentFlag	bit	true			
SalesPersonFlag	bit	true			
DepartmentName	nvarchar(50)	false			
StartDate	date	false			
EndDate	date	false			
Status	nvarchar(50)	false			

2.1.2.8.2.1 Column EmployeeKey

2.1.2.8.2.1.1 EmployeeKey properties

PROPERTY	VALUE
Business Name	EmployeeKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	274
Remarks	

2.1.2.8.2.2 Column ParentEmployeeKey

2.1.2.8.2.2.1 ParentEmployeeKey properties

PROPERTY	VALUE
Business Name	ParentEmployeeKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimEmployee
Foreign field	EmployeeKey
Relationship type	Foreign Key
Relationship name	fk DimEmployee.ParentEmployeeKey to DimEmployee.EmployeeKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	3
Remarks	

2.1.2.8.2.3 Column EmployeeNationalIDAlternateKey

2.1.2.8.2.3.1 EmployeeNationalIDAlternateKey properties

PROPERTY	VALUE
Business Name	EmployeeNationalIDAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	56920285
Remarks	

2.1.2.8.2.4 Column ParentEmployeeNationalIDAlternateKey

2.1.2.8.2.4.1 ParentEmployeeNationalIDAlternateKey properties

PROPERTY	VALUE
Business Name	ParentEmployeeNationalIDAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2.1.2.8.2.5 Column SalesTerritoryKey

2.1.2.8.2.5.1 SalesTerritoryKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimSalesTerritory
Foreign field	SalesTerritoryKey
Relationship type	Foreign Key
Relationship name	fk DimEmployee.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	11
Remarks	

2.1.2.8.2.6 Column FirstName

2.1.2.8.2.6.1 FirstName properties

PROPERTY	VALUE
Business Name	FirstName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Sharon
Remarks	

2.1.2.8.2.7 Column LastName

2.1.2.8.2.7.1 LastName properties

PROPERTY	VALUE
Business Name	LastName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Salavaria
Remarks	

2.1.2.8.2.8 Column MiddleName

2.1.2.8.2.8.1 MiddleName properties

PROPERTY	VALUE
Business Name	MiddleName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	B
Remarks	

2.1.2.8.2.9 Column NameStyle

2.1.2.8.2.9.1 NameStyle properties

PROPERTY	VALUE
Business Name	NameStyle
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	false
Remarks	

2.1.2.8.2.10 Column Title

2.1.2.8.2.10.1 Title properties

PROPERTY	VALUE
Business Name	Title
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Design Engineer
Remarks	

2.1.2.8.2.11 Column HireDate

2.1.2.8.2.11.1 HireDate properties

PROPERTY	VALUE
Business Name	HireDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2001-02-18T00:00:00.000Z
Remarks	

2.1.2.8.2.12 Column BirthDate

2.1.2.8.2.12.1 BirthDate properties

PROPERTY	VALUE
Business Name	BirthDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	1951-06-03T00:00:00.000Z
Remarks	

2.1.2.8.2.13 Column LoginID

2.1.2.8.2.13.1 LoginID properties

PROPERTY	VALUE
Business Name	LoginID
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	256
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	adventure-works\sharon0
Remarks	

2.1.2.8.2.14 Column EmailAddress

2.1.2.8.2.14.1 EmailAddress properties

PROPERTY	VALUE
Business Name	EmailAddress
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	sharon0@adventure-works.com
Remarks	

2.1.2.8.2.15 Column Phone

2.1.2.8.2.15.1 Phone properties

PROPERTY	VALUE
Business Name	Phone
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	970-555-0138
Remarks	

2.1.2.8.2.16 Column MaritalStatus

2.1.2.8.2.16.1 MaritalStatus properties

PROPERTY	VALUE
Business Name	MaritalStatus
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	M
Remarks	

2.1.2.8.2.17 Column EmergencyContactName

2.1.2.8.2.17.1 EmergencyContactName properties

PROPERTY	VALUE
Business Name	EmergencyContactName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Sharon Salavaria
Remarks	

2.1.2.8.2.18 Column EmergencyContactPhone

2.1.2.8.2.18.1 EmergencyContactPhone properties

PROPERTY	VALUE
Business Name	EmergencyContactPhone
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	970-555-0138
Remarks	

2.1.2.8.2.19 Column SalariedFlag

2.1.2.8.2.19.1 SalariedFlag properties

PROPERTY	VALUE
Business Name	SalariedFlag
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	true
Remarks	

2.1.2.8.2.20 Column Gender

2.1.2.8.2.20.1 Gender properties

PROPERTY	VALUE
Business Name	Gender
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	F
Remarks	

2.1.2.8.2.21 Column PayFrequency

2.1.2.8.2.21.1 PayFrequency properties

PROPERTY	VALUE
Business Name	PayFrequency
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.8.2.22 Column BaseRate

2.1.2.8.2.22.1 BaseRate properties

PROPERTY	VALUE
Business Name	BaseRate
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	32.6923
Remarks	

2.1.2.8.2.23 Column VacationHours

2.1.2.8.2.23.1 VacationHours properties

PROPERTY	VALUE
Business Name	VacationHours
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.8.2.24 Column SickLeaveHours

2.1.2.8.2.24.1 SickLeaveHours properties

PROPERTY	VALUE
Business Name	SickLeaveHours
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	22
Remarks	

2.1.2.8.2.25 Column CurrentFlag

2.1.2.8.2.25.1 CurrentFlag properties

PROPERTY	VALUE
Business Name	CurrentFlag
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	true
Remarks	

2.1.2.8.2.26 Column SalesPersonFlag

2.1.2.8.2.26.1 SalesPersonFlag properties

PROPERTY	VALUE
Business Name	SalesPersonFlag
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	false
Remarks	

2.1.2.8.2.27 Column DepartmentName

2.1.2.8.2.27.1 DepartmentName properties

PROPERTY	VALUE
Business Name	DepartmentName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Engineering
Remarks	

2.1.2.8.2.28 Column StartDate

2.1.2.8.2.28.1 StartDate properties

PROPERTY	VALUE
Business Name	StartDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2001-02-18T00:00:00.000Z
Remarks	

2.1.2.8.2.29 Column EndDate

2.1.2.8.2.29.1 EndDate properties

PROPERTY	VALUE
Business Name	EndDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	date
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2001-08-30T00:00:00.000Z
Remarks	

2.1.2.8.2.30 Column Status

2.1.2.8.2.30.1 Status properties

PROPERTY	VALUE
Business Name	Status
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Current
Remarks	

2.1.2.8.3 DimEmployee Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.8.4 DimEmployee JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimEmployee",
    "additionalProperties": false,
    "properties": {
        "EmployeeKey": {
            "type": "number"
        },
        "ParentEmployeeKey": {
            "type": "number"
        },
        "EmployeeNationalIDAlternateKey": {
            "type": "string"
        },
        "ParentEmployeeNationalIDAlternateKey": {
            "type": "string"
        },
        "SalesTerritoryKey": {
            "type": "number"
        },
        "FirstName": {
            "type": "string"
        },
        "LastName": {
            "type": "string"
        },
        "MiddleName": {
            "type": "string"
        },
        "NameStyle": {
            "type": "number"
        },
        "Title": {
            "type": "string"
        },
        "HireDate": {
            "type": "string",
            "maxLength": 24
        },
        "BirthDate": {
            "type": "string",
            "maxLength": 24
        },
        "LoginID": {
            "type": "string"
        },
        "EmailAddress": {
            "type": "string"
        },
        "Phone": {
            "type": "string"
        },
        "MaritalStatus": {
            "type": "string"
        },
        "EmergencyContactName": {
            "type": "string"
        },
        "EmergencyContactPhone": {
```

```
            "type": "string"
        },
        "SalariedFlag": {
            "type": "number"
        },
        "Gender": {
            "type": "string"
        },
        "PayFrequency": {
            "type": "number"
        },
        "BaseRate": {
            "type": "number"
        },
        "VacationHours": {
            "type": "number"
        },
        "SickLeaveHours": {
            "type": "number"
        },
        "CurrentFlag": {
            "type": "number"
        },
        "SalesPersonFlag": {
            "type": "number"
        },
        "DepartmentName": {
            "type": "string"
        },
        "StartDate": {
            "type": "string",
            "maxLength": 24
        },
        "EndDate": {
            "type": "string",
            "maxLength": 24
        },
        "Status": {
            "type": "string"
        }
    },
    "required": [
        "EmployeeKey",
        "FirstName",
        "LastName",
        "NameStyle",
        "CurrentFlag",
        "SalesPersonFlag"
    ]
}
```


2.1.2.8.5 DimEmployee JSON data

```
{
   "EmployeeKey": 274,
   "ParentEmployeeKey": 3,
   "EmployeeNationalIDAlternateKey": "56920285",
   "ParentEmployeeNationalIDAlternateKey": "Lorem",
   "SalesTerritoryKey": 11,
   "FirstName": "Sharon",
   "LastName": "Salavaria",
   "MiddleName": "B",
   "NameStyle": false,
   "Title": "Design Engineer",
   "HireDate": "2001-02-18T00:00:00.000Z",
   "BirthDate": "1951-06-03T00:00:00.000Z",
   "LoginID": "adventure-works\\sharon0",
   "EmailAddress": "sharon0@adventure-works.com",
   "Phone": "970-555-0138",
   "MaritalStatus": "M",
   "EmergencyContactName": "Sharon Salavaria",
   "EmergencyContactPhone": "970-555-0138",
   "SalariedFlag": true,
   "Gender": "F",
   "PayFrequency": 2,
   "BaseRate": 32.6923,
   "VacationHours": 4,
   "SickLeaveHours": 22,
   "CurrentFlag": true,
   "SalesPersonFlag": false,
   "DepartmentName": "Engineering",
   "StartDate": "2001-02-18T00:00:00.000Z",
   "EndDate": "2001-08-30T00:00:00.000Z",
   "Status": "Current"
}
```


2.1.2.8.6 DimEmployee Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimEmployee] (
	[EmployeeKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentEmployeeKey] INT,
	[EmployeeNationalIDAlternateKey] NVARCHAR(15),
	[ParentEmployeeNationalIDAlternateKey] NVARCHAR(15),
	[SalesTerritoryKey] INT,
	[FirstName] NVARCHAR(50) NOT NULL,
	[LastName] NVARCHAR(50) NOT NULL,
	[MiddleName] NVARCHAR(50),
	[NameStyle] BIT NOT NULL,
	[Title] NVARCHAR(50),
	[HireDate] DATE,
	[BirthDate] DATE,
	[LoginID] NVARCHAR(256),
	[EmailAddress] NVARCHAR(50),
	[Phone] NVARCHAR(25),
	[MaritalStatus] NCHAR(1),
	[EmergencyContactName] NVARCHAR(50),
	[EmergencyContactPhone] NVARCHAR(25),
	[SalariedFlag] BIT,
	[Gender] NCHAR(1),
	[PayFrequency] TINYINT,
	[BaseRate] MONEY,
	[VacationHours] SMALLINT,
	[SickLeaveHours] SMALLINT,
	[CurrentFlag] BIT NOT NULL,
	[SalesPersonFlag] BIT NOT NULL,
	[DepartmentName] NVARCHAR(50),
	[StartDate] DATE,
	[EndDate] DATE,
	[Status] NVARCHAR(50)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.9 Table DimGeography

2.1.2.9.1 DimGeography Properties

PROPERTY	VALUE
Table	DimGeography
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.9.2 DimGeography Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
GeographyKey	int	true	pk, dk		
City	nvarchar(30)	false			
StateProvinceCode	nvarchar(3)	false			
StateProvinceName	nvarchar(50)	false			
CountryRegionCode	nvarchar(3)	false			
EnglishCountryRegionName	nvarchar(50)	false			
SpanishCountryRegionName	nvarchar(50)	false			
FrenchCountryRegionName	nvarchar(50)	false			
PostalCode	nvarchar(15)	false			
SalesTerritoryKey	int	false	fk		

2.1.2.9.2.1 Column GeographyKey

2.1.2.9.2.1.1 GeographyKey properties

PROPERTY	VALUE
Business Name	GeographyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	654
Remarks	

2.1.2.9.2.2 Column City

2.1.2.9.2.2.1 City properties

PROPERTY	VALUE
Business Name	City
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	30
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Cheyenne
Remarks	

2.1.2.9.2.3 Column StateProvinceCode

2.1.2.9.2.3.1 StateProvinceCode properties

PROPERTY	VALUE
Business Name	StateProvinceCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	WY
Remarks	

2.1.2.9.2.4 Column StateProvinceName

2.1.2.9.2.4.1 StateProvinceName properties

PROPERTY	VALUE
Business Name	StateProvinceName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Wyoming
Remarks	

2.1.2.9.2.5 Column CountryRegionCode

2.1.2.9.2.5.1 CountryRegionCode properties

PROPERTY	VALUE
Business Name	CountryRegionCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	US
Remarks	

2.1.2.9.2.6 Column EnglishCountryRegionName

2.1.2.9.2.6.1 EnglishCountryRegionName properties

PROPERTY	VALUE
Business Name	EnglishCountryRegionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	United States
Remarks	

2.1.2.9.2.7 Column SpanishCountryRegionName

2.1.2.9.2.7.1 SpanishCountryRegionName properties

PROPERTY	VALUE
Business Name	SpanishCountryRegionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Estados Unidos
Remarks	

2.1.2.9.2.8 Column FrenchCountryRegionName

2.1.2.9.2.8.1 FrenchCountryRegionName properties

PROPERTY	VALUE
Business Name	FrenchCountryRegionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	États-Unis
Remarks	

2.1.2.9.2.9 Column PostalCode

2.1.2.9.2.9.1 PostalCode properties

PROPERTY	VALUE
Business Name	PostalCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	82001
Remarks	

2.1.2.9.2.10 Column SalesTerritoryKey

2.1.2.9.2.10.1 SalesTerritoryKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimSalesTerritory
Foreign field	SalesTerritoryKey
Relationship type	Foreign Key
Relationship name	fk DimGeography.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.9.3 DimGeography Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.9.4 DimGeography JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimGeography",
    "additionalProperties": false,
    "properties": {
        "GeographyKey": {
            "type": "number"
        },
        "City": {
            "type": "string"
        },
        "StateProvinceCode": {
            "type": "string"
        },
        "StateProvinceName": {
            "type": "string"
        },
        "CountryRegionCode": {
            "type": "string"
        },
        "EnglishCountryRegionName": {
            "type": "string"
        },
        "SpanishCountryRegionName": {
            "type": "string"
        },
        "FrenchCountryRegionName": {
            "type": "string"
        },
        "PostalCode": {
            "type": "string"
        },
        "SalesTerritoryKey": {
            "type": "number"
        }
    },
    "required": [
        "GeographyKey"
    ]
}
```


2.1.2.9.5 DimGeography JSON data


```
{
    "GeographyKey": 654,
    "City": "Cheyenne",
    "StateProvinceCode": "WY",
    "StateProvinceName": "Wyoming",
    "CountryRegionCode": "US",
    "EnglishCountryRegionName": "United States",
    "SpanishCountryRegionName": "Estados Unidos",
    "FrenchCountryRegionName": "États-Unis",
    "PostalCode": "82001",
    "SalesTerritoryKey": 1
}
```

2.1.2.9.6 DimGeography Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimGeography] (
	[GeographyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[City] NVARCHAR(30),
	[StateProvinceCode] NVARCHAR(3),
	[StateProvinceName] NVARCHAR(50),
	[CountryRegionCode] NVARCHAR(3),
	[EnglishCountryRegionName] NVARCHAR(50),
	[SpanishCountryRegionName] NVARCHAR(50),
	[FrenchCountryRegionName] NVARCHAR(50),
	[PostalCode] NVARCHAR(15),
	[SalesTerritoryKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.10 Table DimOrganization

2.1.2.10.1 DimOrganization Properties

PROPERTY	VALUE
Table	DimOrganization
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.10.2 DimOrganization Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
OrganizationKey	int	true	pk, dk		
ParentOrganizationKey	int	false	fk		
PercentageOfOwnership	nvarchar(16)	false			
OrganizationName	nvarchar(50)	false			
CurrencyKey	int	false	fk		

2.1.2.10.2.1 Column OrganizationKey

2.1.2.10.2.1.1 OrganizationKey properties

PROPERTY	VALUE
Business Name	OrganizationKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.10.2.2 Column ParentOrganizationKey

2.1.2.10.2.2.1 ParentOrganizationKey properties

PROPERTY	VALUE
Business Name	ParentOrganizationKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimOrganization
Foreign field	OrganizationKey
Relationship type	Foreign Key
Relationship name	fk DimOrganization.ParentOrganizationKey to DimOrganization.OrganizationKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	14
Remarks	

2.1.2.10.2.3 Column PercentageOfOwnership

2.1.2.10.2.3.1 PercentageOfOwnership properties

PROPERTY	VALUE
Business Name	PercentageOfOwnership
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	16
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.10.2.4 Column OrganizationName

2.1.2.10.2.4.1 OrganizationName properties

PROPERTY	VALUE
Business Name	OrganizationName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Northwest Division
Remarks	

2.1.2.10.2.5 Column CurrencyKey

2.1.2.10.2.5.1 CurrencyKey properties

PROPERTY	VALUE
Business Name	CurrencyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimCurrency
Foreign field	CurrencyKey
Relationship type	Foreign Key
Relationship name	fk DimOrganization.CurrencyKey to DimCurrency.CurrencyKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	100
Remarks	

2.1.2.10.3 DimOrganization Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.10.4 DimOrganization JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimOrganization",
    "additionalProperties": false,
    "properties": {
        "OrganizationKey": {
            "type": "number"
        },
        "ParentOrganizationKey": {
            "type": "number"
        },
        "PercentageOfOwnership": {
            "type": "string"
        },
        "OrganizationName": {
            "type": "string"
        },
        "CurrencyKey": {
            "type": "number"
        }
    },
    "required": [
        "OrganizationKey"
    ]
}
```


2.1.2.10.5 DimOrganization JSON data


```
{
    "OrganizationKey": 4,
    "ParentOrganizationKey": 14,
    "PercentageOfOwnership": "1",
    "OrganizationName": "Northwest Division",
    "CurrencyKey": 100
}
```


2.1.2.10.6 DimOrganization Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimOrganization] (
	[OrganizationKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentOrganizationKey] INT,
	[PercentageOfOwnership] NVARCHAR(16),
	[OrganizationName] NVARCHAR(50),
	[CurrencyKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.11 Table DimProduct

2.1.2.11.1 DimProduct Properties

PROPERTY	VALUE
Table	DimProduct
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.11.2 DimProduct Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProductKey	int	true	pk		
ProductAlternateKey	nvarchar(25)	false			
ProductSubcategoryKey	int	false	fk		
WeightUnitMeasureCode	nchar(3)	false			
SizeUnitMeasureCode	nchar(3)	false			
EnglishProductName	nvarchar(50)	true			
SpanishProductName	nvarchar(50)	false			
FrenchProductName	nvarchar(50)	false			
StandardCost	money	false			
FinishedGoodsFlag	bit	true			
Color	nvarchar(15)	true			
SafetyStockLevel	smallint	false			
ReorderPoint	smallint	false			
ListPrice	money	false			
Size	nvarchar(50)	false			
SizeRange	nvarchar(50)	false			
Weight	float	false			
DaysToManufacture	int	false			
ProductLine	nchar(2)	false			
DealerPrice	money	false			
Class	nchar(2)	false			
Style	nchar(2)	false			
ModelName	nvarchar(50)	false			
EnglishDescription	nvarchar(400)	false			
FrenchDescription	nvarchar(400)	false			
ChineseDescription	nvarchar(400)	false			
ArabicDescription	nvarchar(400)	false			
HebrewDescription	nvarchar(400)	false			
ThaiDescription	nvarchar(400)	false			
GermanDescription	nvarchar(400)	false			
JapaneseDescription	nvarchar(400)	false			
TurkishDescription	nvarchar(400)	false			
StartDate	datetime	false			
EndDate	datetime	false			
Status	nvarchar(7)	false			

2.1.2.11.2.1 Column ProductKey

2.1.2.11.2.1.1 ProductKey properties

PROPERTY	VALUE
Business Name	ProductKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	597
Remarks	

2.1.2.11.2.2 Column ProductAlternateKey

2.1.2.11.2.2.1 ProductAlternateKey properties

PROPERTY	VALUE
Business Name	ProductAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	BK-M18B-42
Remarks	

2.1.2.11.2.3 Column ProductSubcategoryKey

2.1.2.11.2.3.1 ProductSubcategoryKey properties

PROPERTY	VALUE
Business Name	ProductSubcategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimProductSubcategory
Foreign field	ProductSubcategoryKey
Relationship type	Foreign Key
Relationship name	fk DimProduct.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.11.2.4 Column WeightUnitMeasureCode

2.1.2.11.2.4.1 WeightUnitMeasureCode properties

PROPERTY	VALUE
Business Name	WeightUnitMeasureCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	LB
Remarks	

2.1.2.11.2.5 Column SizeUnitMeasureCode

2.1.2.11.2.5.1 SizeUnitMeasureCode properties

PROPERTY	VALUE
Business Name	SizeUnitMeasureCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	CM
Remarks	

2.1.2.11.2.6 Column EnglishProductName

2.1.2.11.2.6.1 EnglishProductName properties

PROPERTY	VALUE
Business Name	EnglishProductName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mountain-500 Black, 42
Remarks	

2.1.2.11.2.7 Column SpanishProductName

2.1.2.11.2.7.1 SpanishProductName properties

PROPERTY	VALUE
Business Name	SpanishProductName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Montaña: 500, negra, 42
Remarks	

2.1.2.11.2.8 Column FrenchProductName

2.1.2.11.2.8.1 FrenchProductName properties

PROPERTY	VALUE
Business Name	FrenchProductName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	VTT 500 noir, 42
Remarks	

2.1.2.11.2.9 Column StandardCost

2.1.2.11.2.9.1 StandardCost properties

PROPERTY	VALUE
Business Name	StandardCost
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	294.5797
Remarks	

2.1.2.11.2.10 Column FinishedGoodsFlag

2.1.2.11.2.10.1 FinishedGoodsFlag properties

PROPERTY	VALUE
Business Name	FinishedGoodsFlag
Technical name	
Activated	true
Id	
Type	numeric
Subtype	bit
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	true
Remarks	

2.1.2.11.2.11 Column Color

2.1.2.11.2.11.1 Color properties

PROPERTY	VALUE
Business Name	Color
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Black
Remarks	

2.1.2.11.2.12 Column SafetyStockLevel

2.1.2.11.2.12.1 SafetyStockLevel properties

PROPERTY	VALUE
Business Name	SafetyStockLevel
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	100
Remarks	

2.1.2.11.2.13 Column ReorderPoint

2.1.2.11.2.13.1 ReorderPoint properties

PROPERTY	VALUE
Business Name	ReorderPoint
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	75
Remarks	

2.1.2.11.2.14 Column ListPrice

2.1.2.11.2.14.1 ListPrice properties

PROPERTY	VALUE
Business Name	ListPrice
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	539.99
Remarks	

2.1.2.11.2.15 Column Size

2.1.2.11.2.15.1 Size properties

PROPERTY	VALUE
Business Name	Size
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	42
Remarks	

2.1.2.11.2.16 Column SizeRange

2.1.2.11.2.16.1 SizeRange properties

PROPERTY	VALUE
Business Name	SizeRange
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	42-46 CM
Remarks	

2.1.2.11.2.17 Column Weight

2.1.2.11.2.17.1 Weight properties

PROPERTY	VALUE
Business Name	Weight
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	27.77
Remarks	

2.1.2.11.2.18 Column DaysToManufacture

2.1.2.11.2.18.1 DaysToManufacture properties

PROPERTY	VALUE
Business Name	DaysToManufacture
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.11.2.19 Column ProductLine

2.1.2.11.2.19.1 ProductLine properties

PROPERTY	VALUE
Business Name	ProductLine
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	2
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	M
Remarks	

2.1.2.11.2.20 Column DealerPrice

2.1.2.11.2.20.1 DealerPrice properties

PROPERTY	VALUE
Business Name	DealerPrice
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	323.994
Remarks	

2.1.2.11.2.21 Column Class

2.1.2.11.2.21.1 Class properties

PROPERTY	VALUE
Business Name	Class
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	2
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	L
Remarks	

2.1.2.11.2.22 Column Style

2.1.2.11.2.22.1 Style properties

PROPERTY	VALUE
Business Name	Style
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	2
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	U
Remarks	

2.1.2.11.2.23 Column ModelName

2.1.2.11.2.23.1 ModelName properties

PROPERTY	VALUE
Business Name	ModelName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mountain-500
Remarks	

2.1.2.11.2.24 Column EnglishDescription

2.1.2.11.2.24.1 EnglishDescription properties

PROPERTY	VALUE
Business Name	EnglishDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Suitable for any type of riding, on or off-road. Fits any budget. Smooth-shifting with a comfortable ride.
Remarks	

2.1.2.11.2.25 Column FrenchDescription

2.1.2.11.2.25.1 FrenchDescription properties

PROPERTY	VALUE
Business Name	FrenchDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Adapté à tous les usages, sur route ou tout-terrain. Pour toutes les bourses. Changement de braquet en douceur et conduite confortable.
Remarks	

2.1.2.11.2.26 Column ChineseDescription

2.1.2.11.2.26.1 ChineseDescription properties

PROPERTY	VALUE
Business Name	ChineseDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	适合所有类型的使用，不论是公路骑乘还是越野。不论预算多少，均可称心如意。变速平稳，骑乘舒适。
Remarks	

2.1.2.11.2.27 Column ArabicDescription

2.1.2.11.2.27.1 ArabicDescription properties

PROPERTY	VALUE
Business Name	ArabicDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	ملائمة لأي نوع من أنواع القيادة، سواءً على الطرق الممهدة أو غير الممهدة. وتناسب أية ميزانية. نقل سرعات سلس مع قيادة مريحة.
Remarks	

2.1.2.11.2.28 Column HebrewDescription

2.1.2.11.2.28.1 HebrewDescription properties

PROPERTY	VALUE
Business Name	HebrewDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	מתאימים לכל סוג רכיבה, בדרכים סלולות ובשבילים כאחת. מתאימים לכל תקציב. החלפת הילוכים חלקה יחד עם רכיבה נוחה.
Remarks	

2.1.2.11.2.29 Column ThaiDescription

2.1.2.11.2.29.1 ThaiDescription properties

PROPERTY	VALUE
Business Name	ThaiDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	เหมาะสำหรับการขี่ทุกประเภท ทั้งบนถนนและแบบออฟโรด ในราคาย่อมเยา เปลี่ยนเกียร์อย่างนุ่มนวล พร้อมการขับขี่ที่แสนสบาย
Remarks	

2.1.2.11.2.30 Column GermanDescription

2.1.2.11.2.30.1 GermanDescription properties

PROPERTY	VALUE
Business Name	GermanDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Geeignet für Straße und Gelände. Für jedes Budget. Komfortable Gangschaltung.
Remarks	

2.1.2.11.2.31 Column JapaneseDescription

2.1.2.11.2.31.1 JapaneseDescription properties

PROPERTY	VALUE
Business Name	JapaneseDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	オンロードにもオフロードにも対応しながら、予算を選ばず、スムーズなシフトで快適な乗り心地です。
Remarks	

2.1.2.11.2.32 Column TurkishDescription

2.1.2.11.2.32.1 TurkishDescription properties

PROPERTY	VALUE
Business Name	TurkishDescription
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	400
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Yolda veya arazide her tür sürüşe uygundur. Her bütçeye uyar. Yumuşak vites geçişi ve konforlu sürüş.
Remarks	

2.1.2.11.2.33 Column StartDate

2.1.2.11.2.33.1 StartDate properties

PROPERTY	VALUE
Business Name	StartDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2003-07-01T00:00:00.000Z
Remarks	

2.1.2.11.2.34 Column EndDate

2.1.2.11.2.34.1 EndDate properties

PROPERTY	VALUE
Business Name	EndDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2003-06-30T00:00:00.000Z
Remarks	

2.1.2.11.2.35 Column Status

2.1.2.11.2.35.1 Status properties

PROPERTY	VALUE
Business Name	Status
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	7
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Current
Remarks	

2.1.2.11.3 DimProduct Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.11.4 DimProduct JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimProduct",
    "additionalProperties": false,
    "properties": {
        "ProductKey": {
            "type": "number"
        },
        "ProductAlternateKey": {
            "type": "string"
        },
        "ProductSubcategoryKey": {
            "type": "number"
        },
        "WeightUnitMeasureCode": {
            "type": "string"
        },
        "SizeUnitMeasureCode": {
            "type": "string"
        },
        "EnglishProductName": {
            "type": "string"
        },
        "SpanishProductName": {
            "type": "string"
        },
        "FrenchProductName": {
            "type": "string"
        },
        "StandardCost": {
            "type": "number"
        },
        "FinishedGoodsFlag": {
            "type": "number"
        },
        "Color": {
            "type": "string"
        },
        "SafetyStockLevel": {
            "type": "number"
        },
        "ReorderPoint": {
            "type": "number"
        },
        "ListPrice": {
            "type": "number"
        },
        "Size": {
            "type": "string"
        },
        "SizeRange": {
            "type": "string"
        },
        "Weight": {
            "type": "number"
        },
        "DaysToManufacture": {
            "type": "number"
        },
```

```
        "ProductLine": {
            "type": "string"
        },
        "DealerPrice": {
            "type": "number"
        },
        "Class": {
            "type": "string"
        },
        "Style": {
            "type": "string"
        },
        "ModelName": {
            "type": "string"
        },
        "EnglishDescription": {
            "type": "string"
        },
        "FrenchDescription": {
            "type": "string"
        },
        "ChineseDescription": {
            "type": "string"
        },
        "ArabicDescription": {
            "type": "string"
        },
        "HebrewDescription": {
            "type": "string"
        },
        "ThaiDescription": {
            "type": "string"
        },
        "GermanDescription": {
            "type": "string"
        },
        "JapaneseDescription": {
            "type": "string"
        },
        "TurkishDescription": {
            "type": "string"
        },
        "StartDate": {
            "type": "string",
            "maxLength": 24
        },
        "EndDate": {
            "type": "string",
            "maxLength": 24
        },
        "Status": {
            "type": "string"
        }
    },
    "required": [
        "ProductKey",
        "EnglishProductName",
        "FinishedGoodsFlag",
        "Color"
```

```
  ]
}
```


2.1.2.11.5 DimProduct JSON data


```
{
  "ProductKey": 597,
  "ProductAlternateKey": "BK-M18B-42",
  "ProductSubcategoryKey": 1,
  "WeightUnitMeasureCode": "LB ",
  "SizeUnitMeasureCode": "CM ",
  "EnglishProductName": "Mountain-500 Black, 42",
  "SpanishProductName": "Montaña: 500, negra, 42",
  "FrenchProductName": "VTT 500 noir, 42",
  "StandardCost": 294.5797,
  "FinishedGoodsFlag": true,
  "Color": "Black",
  "SafetyStockLevel": 100,
  "ReorderPoint": 75,
  "ListPrice": 539.99,
  "Size": "42",
  "SizeRange": "42-46 CM",
  "Weight": 27.77,
  "DaysToManufacture": 4,
  "ProductLine": "M ",
  "DealerPrice": 323.994,
  "Class": "L ",
  "Style": "U ",
  "ModelName": "Mountain-500",
  "EnglishDescription": "Suitable for any type of riding, on or off-road. Fits any budget. Smooth-shifting with a comfortable ride.",
  "FrenchDescription": "Adapté à tous les usages, sur route ou tout-terrain. Pour toutes les bourses. Changement de braquet en douceur et conduite confortable.",
  "ChineseDescription": "适合所有类型的使用，不论是公路骑乘还是越野。不论预算多少，均可称心如意。变速平稳，骑乘舒适。",
  "ArabicDescription": "ملائمة لأي نوع من أنواع القيادة، سواءً على الطرق الممهدة أو غير الممهدة. وتناسب أية ميزانية. نقل سرعات سلس مع قيادة مريحة.",
  "HebrewDescription": "מתאימים לכל סוג רכיבה, בדרכים סלולות ובשבילים כאחת. מתאימים לכל תקציב. החלפת הילוכים חלקה יחד עם רכיבה נוחה.",
  "ThaiDescription": "เหมาะสำหรับการขี่ทุกประเภท ทั้งบนถนนและแบบออฟโรด  ในราคาย่อมเยา เปลี่ยนเกียร์อย่างนุ่มนวล พร้อมการขับขี่ที่แสนสบาย",
  "GermanDescription": "Geeignet für Straße und Gelände. Für jedes Budget. Komfortable Gangschaltung.",
  "JapaneseDescription": "オンロードにもオフロードにも対応しながら、予算を選ばず、スムーズなシフトで快適な乗り心地です。",
  "TurkishDescription": "Yolda veya arazide her tür sürüşe uygundur. Her bütçeye uyar. Yumuşak vites geçişi ve konforlu sürüş.",
  "StartDate": "2003-07-01T00:00:00.000Z",
  "EndDate": "2003-06-30T00:00:00.000Z",
  "Status": "Current"
}
```


2.1.2.11.6 DimProduct Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimProduct] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductAlternateKey] NVARCHAR(25),
	[ProductSubcategoryKey] INT,
	[WeightUnitMeasureCode] NCHAR(3),
	[SizeUnitMeasureCode] NCHAR(3),
	[EnglishProductName] NVARCHAR(50) NOT NULL,
	[SpanishProductName] NVARCHAR(50),
	[FrenchProductName] NVARCHAR(50),
	[StandardCost] MONEY,
	[FinishedGoodsFlag] BIT NOT NULL,
	[Color] NVARCHAR(15) NOT NULL,
	[SafetyStockLevel] SMALLINT,
	[ReorderPoint] SMALLINT,
	[ListPrice] MONEY,
	[Size] NVARCHAR(50),
	[SizeRange] NVARCHAR(50),
	[Weight] FLOAT,
	[DaysToManufacture] INT,
	[ProductLine] NCHAR(2),
	[DealerPrice] MONEY,
	[Class] NCHAR(2),
	[Style] NCHAR(2),
	[ModelName] NVARCHAR(50),
	[EnglishDescription] NVARCHAR(400),
	[FrenchDescription] NVARCHAR(400),
	[ChineseDescription] NVARCHAR(400),
	[ArabicDescription] NVARCHAR(400),
	[HebrewDescription] NVARCHAR(400),
	[ThaiDescription] NVARCHAR(400),
	[GermanDescription] NVARCHAR(400),
	[JapaneseDescription] NVARCHAR(400),
	[TurkishDescription] NVARCHAR(400),
	[StartDate] DATETIME,
	[EndDate] DATETIME,
	[Status] NVARCHAR(7)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.12 Table DimProductCategory

2.1.2.12.1 DimProductCategory Properties

PROPERTY	VALUE
Table	DimProductCategory
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.12.2 DimProductCategory Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProductCategoryKey	int	true	pk, dk		
ProductCategoryAlternateKey	int	false			
EnglishProductCategoryName	nvarchar(50)	true			
SpanishProductCategoryName	nvarchar(50)	true			
FrenchProductCategoryName	nvarchar(50)	true			

2.1.2.12.2.1 Column ProductCategoryKey

2.1.2.12.2.1.1 ProductCategoryKey properties

PROPERTY	VALUE
Business Name	ProductCategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.12.2.2 Column ProductCategoryAlternateKey

2.1.2.12.2.2.1 ProductCategoryAlternateKey properties

PROPERTY	VALUE
Business Name	ProductCategoryAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.12.2.3 Column EnglishProductCategoryName

2.1.2.12.2.3.1 EnglishProductCategoryName properties

PROPERTY	VALUE
Business Name	EnglishProductCategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Accessories
Remarks	

2.1.2.12.2.4 Column SpanishProductCategoryName

2.1.2.12.2.4.1 SpanishProductCategoryName properties

PROPERTY	VALUE
Business Name	SpanishProductCategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Accesorio
Remarks	

2.1.2.12.2.5 Column FrenchProductCategoryName

2.1.2.12.2.5.1 FrenchProductCategoryName properties

PROPERTY	VALUE
Business Name	FrenchProductCategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Accessoire
Remarks	

2.1.2.12.3 DimProductCategory Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.12.4 DimProductCategory JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimProductCategory",
    "additionalProperties": false,
    "properties": {
        "ProductCategoryKey": {
            "type": "number"
        },
        "ProductCategoryAlternateKey": {
            "type": "number"
        },
        "EnglishProductCategoryName": {
            "type": "string"
        },
        "SpanishProductCategoryName": {
            "type": "string"
        },
        "FrenchProductCategoryName": {
            "type": "string"
        }
    },
    "required": [
        "ProductCategoryKey",
        "EnglishProductCategoryName",
        "SpanishProductCategoryName",
        "FrenchProductCategoryName"
    ]
}
```


2.1.2.12.5 DimProductCategory JSON data


```
{
    "ProductCategoryKey": 4,
    "ProductCategoryAlternateKey": 4,
    "EnglishProductCategoryName": "Accessories",
    "SpanishProductCategoryName": "Accesorio",
    "FrenchProductCategoryName": "Accessoire"
}
```


2.1.2.12.6 DimProductCategory Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimProductCategory] (
	[ProductCategoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductCategoryAlternateKey] INT,
	[EnglishProductCategoryName] NVARCHAR(50) NOT NULL,
	[SpanishProductCategoryName] NVARCHAR(50) NOT NULL,
	[FrenchProductCategoryName] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.13 Table DimProductSubcategory

2.1.2.13.1 DimProductSubcategory Properties

PROPERTY	VALUE
Table	DimProductSubcategory
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.13.2 DimProductSubcategory Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProductSubcategoryKey	int	true	pk, dk		
ProductSubcategoryAlternateKey	int	false			
EnglishProductSubcategoryName	nvarchar(50)	true			
SpanishProductSubcategoryName	nvarchar(50)	true			
FrenchProductSubcategoryName	nvarchar(50)	true			
ProductCategoryKey	int	false	fk		

2.1.2.13.2.1 Column ProductSubcategoryKey

2.1.2.13.2.1.1 ProductSubcategoryKey properties

PROPERTY	VALUE
Business Name	ProductSubcategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	33
Remarks	

2.1.2.13.2.2 Column ProductSubcategoryAlternateKey

2.1.2.13.2.2.1 ProductSubcategoryAlternateKey properties

PROPERTY	VALUE
Business Name	ProductSubcategoryAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	33
Remarks	

2.1.2.13.2.3 Column EnglishProductSubcategoryName

2.1.2.13.2.3.1 EnglishProductSubcategoryName properties

PROPERTY	VALUE
Business Name	EnglishProductSubcategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Lights
Remarks	

2.1.2.13.2.4 Column SpanishProductSubcategoryName

2.1.2.13.2.4.1 SpanishProductSubcategoryName properties

PROPERTY	VALUE
Business Name	SpanishProductSubcategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Luz
Remarks	

2.1.2.13.2.5 Column FrenchProductSubcategoryName

2.1.2.13.2.5.1 FrenchProductSubcategoryName properties

PROPERTY	VALUE
Business Name	FrenchProductSubcategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Éclairage
Remarks	

2.1.2.13.2.6 Column ProductCategoryKey

2.1.2.13.2.6.1 ProductCategoryKey properties

PROPERTY	VALUE
Business Name	ProductCategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimProductCategory
Foreign field	ProductCategoryKey
Relationship type	Foreign Key
Relationship name	fk DimProductSubcategory.ProductCategoryKey to DimProductCategory.ProductCategoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.13.3 DimProductSubcategory Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.13.4 DimProductSubcategory JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimProductSubcategory",
    "additionalProperties": false,
    "properties": {
        "ProductSubcategoryKey": {
            "type": "number"
        },
        "ProductSubcategoryAlternateKey": {
            "type": "number"
        },
        "EnglishProductSubcategoryName": {
            "type": "string"
        },
        "SpanishProductSubcategoryName": {
            "type": "string"
        },
        "FrenchProductSubcategoryName": {
            "type": "string"
        },
        "ProductCategoryKey": {
            "type": "number"
        }
    },
    "required": [
        "ProductSubcategoryKey",
        "EnglishProductSubcategoryName",
        "SpanishProductSubcategoryName",
        "FrenchProductSubcategoryName"
    ]
}
```


2.1.2.13.5 DimProductSubcategory JSON data


```
{
    "ProductSubcategoryKey": 33,
    "ProductSubcategoryAlternateKey": 33,
    "EnglishProductSubcategoryName": "Lights",
    "SpanishProductSubcategoryName": "Luz",
    "FrenchProductSubcategoryName": "Éclairage",
    "ProductCategoryKey": 4
}
```


2.1.2.13.6 DimProductSubcategory Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimProductSubcategory] (
	[ProductSubcategoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductSubcategoryAlternateKey] INT,
	[EnglishProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[SpanishProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[FrenchProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[ProductCategoryKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.14 Table DimPromotion

2.1.2.14.1 DimPromotion Properties

PROPERTY	VALUE
Table	DimPromotion
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.14.2 DimPromotion Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
PromotionKey	int	true	pk, dk		
PromotionAlternateKey	int	false			
EnglishPromotionName	nvarchar(255)	false			
SpanishPromotionName	nvarchar(255)	false			
FrenchPromotionName	nvarchar(255)	false			
DiscountPct	float	false			
EnglishPromotionType	nvarchar(50)	false			
SpanishPromotionType	nvarchar(50)	false			
FrenchPromotionType	nvarchar(50)	false			
EnglishPromotionCategory	nvarchar(50)	false			
SpanishPromotionCategory	nvarchar(50)	false			
FrenchPromotionCategory	nvarchar(50)	false			
StartDate	datetime	true			
EndDate	datetime	false			
MinQty	int	false			
MaxQty	int	false			

2.1.2.14.2.1 Column PromotionKey

2.1.2.14.2.1.1 PromotionKey properties

PROPERTY	VALUE
Business Name	PromotionKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	16
Remarks	

2.1.2.14.2.2 Column PromotionAlternateKey

2.1.2.14.2.2.1 PromotionAlternateKey properties

PROPERTY	VALUE
Business Name	PromotionAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	16
Remarks	

2.1.2.14.2.3 Column EnglishPromotionName

2.1.2.14.2.3.1 EnglishPromotionName properties

PROPERTY	VALUE
Business Name	EnglishPromotionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	255
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mountain-500 Silver Clearance Sale
Remarks	

2.1.2.14.2.4 Column SpanishPromotionName

2.1.2.14.2.4.1 SpanishPromotionName properties

PROPERTY	VALUE
Business Name	SpanishPromotionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	255
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Liquidación de bicicleta de montaña, 500, plateada
Remarks	

2.1.2.14.2.5 Column FrenchPromotionName

2.1.2.14.2.5.1 FrenchPromotionName properties

PROPERTY	VALUE
Business Name	FrenchPromotionName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	255
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Liquidation VTT 500 argent
Remarks	

2.1.2.14.2.6 Column DiscountPct

2.1.2.14.2.6.1 DiscountPct properties

PROPERTY	VALUE
Business Name	DiscountPct
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0.4
Remarks	

2.1.2.14.2.7 Column EnglishPromotionType

2.1.2.14.2.7.1 EnglishPromotionType properties

PROPERTY	VALUE
Business Name	EnglishPromotionType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Discontinued Product
Remarks	

2.1.2.14.2.8 Column SpanishPromotionType

2.1.2.14.2.8.1 SpanishPromotionType properties

PROPERTY	VALUE
Business Name	SpanishPromotionType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Descatalogado
Remarks	

2.1.2.14.2.9 Column FrenchPromotionType

2.1.2.14.2.9.1 FrenchPromotionType properties

PROPERTY	VALUE
Business Name	FrenchPromotionType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Ce produit n'est plus commercialisé
Remarks	

2.1.2.14.2.10 Column EnglishPromotionCategory

2.1.2.14.2.10.1 EnglishPromotionCategory properties

PROPERTY	VALUE
Business Name	EnglishPromotionCategory
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Reseller
Remarks	

2.1.2.14.2.11 Column SpanishPromotionCategory

2.1.2.14.2.11.1 SpanishPromotionCategory properties

PROPERTY	VALUE
Business Name	SpanishPromotionCategory
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Distribuidor
Remarks	

2.1.2.14.2.12 Column FrenchPromotionCategory

2.1.2.14.2.12.1 FrenchPromotionCategory properties

PROPERTY	VALUE
Business Name	FrenchPromotionCategory
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Revendeur
Remarks	

2.1.2.14.2.13 Column StartDate

2.1.2.14.2.13.1 StartDate properties

PROPERTY	VALUE
Business Name	StartDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2004-05-01T00:00:00.000Z
Remarks	

2.1.2.14.2.14 Column EndDate

2.1.2.14.2.14.1 EndDate properties

PROPERTY	VALUE
Business Name	EndDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	2004-06-30T00:00:00.000Z
Remarks	

2.1.2.14.2.15 Column MinQty

2.1.2.14.2.15.1 MinQty properties

PROPERTY	VALUE
Business Name	MinQty
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.14.2.16 Column MaxQty

2.1.2.14.2.16.1 MaxQty properties

PROPERTY	VALUE
Business Name	MaxQty
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	40
Remarks	

2.1.2.14.3 DimPromotion Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.14.4 DimPromotion JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimPromotion",
    "additionalProperties": false,
    "properties": {
        "PromotionKey": {
            "type": "number"
        },
        "PromotionAlternateKey": {
            "type": "number"
        },
        "EnglishPromotionName": {
            "type": "string"
        },
        "SpanishPromotionName": {
            "type": "string"
        },
        "FrenchPromotionName": {
            "type": "string"
        },
        "DiscountPct": {
            "type": "number"
        },
        "EnglishPromotionType": {
            "type": "string"
        },
        "SpanishPromotionType": {
            "type": "string"
        },
        "FrenchPromotionType": {
            "type": "string"
        },
        "EnglishPromotionCategory": {
            "type": "string"
        },
        "SpanishPromotionCategory": {
            "type": "string"
        },
        "FrenchPromotionCategory": {
            "type": "string"
        },
        "StartDate": {
            "type": "string",
            "maxLength": 24
        },
        "EndDate": {
            "type": "string",
            "maxLength": 24
        },
        "MinQty": {
            "type": "number"
        },
        "MaxQty": {
            "type": "number"
        }
    },
    "required": [
        "PromotionKey",
        "StartDate"
```

```
    ]
}
```

2.1.2.14.5 DimPromotion JSON data

```
{
    "PromotionKey": 16,
    "PromotionAlternateKey": 16,
    "EnglishPromotionName": "Mountain-500 Silver Clearance Sale",
    "SpanishPromotionName": "Liquidación de bicicleta de montaña, 500, plateada",
    "FrenchPromotionName": "Liquidation VTT 500 argent",
    "DiscountPct": 0.4,
    "EnglishPromotionType": "Discontinued Product",
    "SpanishPromotionType": "Descatalogado",
    "FrenchPromotionType": "Ce produit n'est plus commercialisé",
    "EnglishPromotionCategory": "Reseller",
    "SpanishPromotionCategory": "Distribuidor",
    "FrenchPromotionCategory": "Revendeur",
    "StartDate": "2004-05-01T00:00:00.000Z",
    "EndDate": "2004-06-30T00:00:00.000Z",
    "MinQty": 0,
    "MaxQty": 40
}
```

2.1.2.14.6 DimPromotion Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimPromotion] (
	[PromotionKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[PromotionAlternateKey] INT,
	[EnglishPromotionName] NVARCHAR(255),
	[SpanishPromotionName] NVARCHAR(255),
	[FrenchPromotionName] NVARCHAR(255),
	[DiscountPct] FLOAT,
	[EnglishPromotionType] NVARCHAR(50),
	[SpanishPromotionType] NVARCHAR(50),
	[FrenchPromotionType] NVARCHAR(50),
	[EnglishPromotionCategory] NVARCHAR(50),
	[SpanishPromotionCategory] NVARCHAR(50),
	[FrenchPromotionCategory] NVARCHAR(50),
	[StartDate] DATETIME NOT NULL,
	[EndDate] DATETIME,
	[MinQty] INT,
	[MaxQty] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.15 Table DimReseller

2.1.2.15.1 DimReseller Properties

PROPERTY	VALUE
Table	DimReseller
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.15.2 DimReseller Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ResellerKey	int	true	pk, dk		
GeographyKey	int	false	fk		
ResellerAlternateKey	nvarchar(15)	false			
Phone	nvarchar(25)	false			
BusinessType	varchar(20)	true			
ResellerName	nvarchar(50)	true			
NumberEmployees	int	false			
OrderFrequency	char(1)	false			
OrderMonth	tinyint	false			
FirstOrderYear	int	false			
LastOrderYear	int	false			
ProductLine	nvarchar(50)	false			
AddressLine1	nvarchar(60)	false			
AddressLine2	nvarchar(60)	false			
AnnualSales	money	false			
BankName	nvarchar(50)	false			
MinPaymentType	tinyint	false			
MinPaymentAmount	money	false			
AnnualRevenue	money	false			
YearOpened	int	false			

2.1.2.15.2.1 Column ResellerKey

2.1.2.15.2.1.1 ResellerKey properties

PROPERTY	VALUE
Business Name	ResellerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	687
Remarks	

2.1.2.15.2.2 Column GeographyKey

2.1.2.15.2.2.1 GeographyKey properties

PROPERTY	VALUE
Business Name	GeographyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimGeography
Foreign field	GeographyKey
Relationship type	Foreign Key
Relationship name	fk DimReseller.GeographyKey to DimGeography.GeographyKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	159
Remarks	

2.1.2.15.2.3 Column ResellerAlternateKey

2.1.2.15.2.3.1 ResellerAlternateKey properties

PROPERTY	VALUE
Business Name	ResellerAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	AW00000687
Remarks	

2.1.2.15.2.4 Column Phone

2.1.2.15.2.4.1 Phone properties

PROPERTY	VALUE
Business Name	Phone
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1 (11) 500 555-0178
Remarks	

2.1.2.15.2.5 Column BusinessType

2.1.2.15.2.5.1 BusinessType properties

PROPERTY	VALUE
Business Name	BusinessType
Technical name	
Activated	true
Id	
Type	char
Subtype	varchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Warehouse
Remarks	

2.1.2.15.2.6 Column ResellerName

2.1.2.15.2.6.1 ResellerName properties

PROPERTY	VALUE
Business Name	ResellerName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Functional Store South
Remarks	

2.1.2.15.2.7 Column NumberEmployees

2.1.2.15.2.7.1 NumberEmployees properties

PROPERTY	VALUE
Business Name	NumberEmployees
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	70
Remarks	

2.1.2.15.2.8 Column OrderFrequency

2.1.2.15.2.8.1 OrderFrequency properties

PROPERTY	VALUE
Business Name	OrderFrequency
Technical name	
Activated	true
Id	
Type	char
Subtype	char
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Q
Remarks	

2.1.2.15.2.9 Column OrderMonth

2.1.2.15.2.9.1 OrderMonth properties

PROPERTY	VALUE
Business Name	OrderMonth
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	5
Remarks	

2.1.2.15.2.10 Column FirstOrderYear

2.1.2.15.2.10.1 FirstOrderYear properties

PROPERTY	VALUE
Business Name	FirstOrderYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2003
Remarks	

2.1.2.15.2.11 Column LastOrderYear

2.1.2.15.2.11.1 LastOrderYear properties

PROPERTY	VALUE
Business Name	LastOrderYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2004
Remarks	

2.1.2.15.2.12 Column ProductLine

2.1.2.15.2.12.1 ProductLine properties

PROPERTY	VALUE
Business Name	ProductLine
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mountain
Remarks	

2.1.2.15.2.13 Column AddressLine1

2.1.2.15.2.13.1 AddressLine1 properties

PROPERTY	VALUE
Business Name	AddressLine1
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	60
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Viktoria-Luise-Platz 475
Remarks	

2.1.2.15.2.14 Column AddressLine2

2.1.2.15.2.14.1 AddressLine2 properties

PROPERTY	VALUE
Business Name	AddressLine2
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	60
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	56 Pitt Street
Remarks	

2.1.2.15.2.15 Column AnnualSales

2.1.2.15.2.15.1 AnnualSales properties

PROPERTY	VALUE
Business Name	AnnualSales
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	3000000
Remarks	

2.1.2.15.2.16 Column BankName

2.1.2.15.2.16.1 BankName properties

PROPERTY	VALUE
Business Name	BankName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	International Bank
Remarks	

2.1.2.15.2.17 Column MinPaymentType

2.1.2.15.2.17.1 MinPaymentType properties

PROPERTY	VALUE
Business Name	MinPaymentType
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.15.2.18 Column MinPaymentAmount

2.1.2.15.2.18.1 MinPaymentAmount properties

PROPERTY	VALUE
Business Name	MinPaymentAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	600
Remarks	

2.1.2.15.2.19 Column AnnualRevenue

2.1.2.15.2.19.1 AnnualRevenue properties

PROPERTY	VALUE
Business Name	AnnualRevenue
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	300000
Remarks	

2.1.2.15.2.20 Column YearOpened

2.1.2.15.2.20.1 YearOpened properties

PROPERTY	VALUE
Business Name	YearOpened
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1993
Remarks	

2.1.2.15.3 DimReseller Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.15.4 DimReseller JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimReseller",
    "additionalProperties": false,
    "properties": {
        "ResellerKey": {
            "type": "number"
        },
        "GeographyKey": {
            "type": "number"
        },
        "ResellerAlternateKey": {
            "type": "string"
        },
        "Phone": {
            "type": "string"
        },
        "BusinessType": {
            "type": "string"
        },
        "ResellerName": {
            "type": "string"
        },
        "NumberEmployees": {
            "type": "number"
        },
        "OrderFrequency": {
            "type": "string"
        },
        "OrderMonth": {
            "type": "number"
        },
        "FirstOrderYear": {
            "type": "number"
        },
        "LastOrderYear": {
            "type": "number"
        },
        "ProductLine": {
            "type": "string"
        },
        "AddressLine1": {
            "type": "string"
        },
        "AddressLine2": {
            "type": "string"
        },
        "AnnualSales": {
            "type": "number"
        },
        "BankName": {
            "type": "string"
        },
        "MinPaymentType": {
            "type": "number"
        },
        "MinPaymentAmount": {
            "type": "number"
        },
```

```
        "AnnualRevenue": {
            "type": "number"
        },
        "YearOpened": {
            "type": "number"
        }
    },
    "required": [
        "ResellerKey",
        "BusinessType",
        "ResellerName"
    ]
}
```


2.1.2.15.5 DimReseller JSON data


```
{
    "ResellerKey": 687,
    "GeographyKey": 159,
    "ResellerAlternateKey": "AW00000687",
    "Phone": "1 (11) 500 555-0178",
    "BusinessType": "Warehouse",
    "ResellerName": "Functional Store South",
    "NumberEmployees": 70,
    "OrderFrequency": "Q",
    "OrderMonth": 5,
    "FirstOrderYear": 2003,
    "LastOrderYear": 2004,
    "ProductLine": "Mountain",
    "AddressLine1": "Viktoria-Luise-Platz 475",
    "AddressLine2": "56 Pitt Street",
    "AnnualSales": 3000000,
    "BankName": "International Bank",
    "MinPaymentType": 1,
    "MinPaymentAmount": 600,
    "AnnualRevenue": 300000,
    "YearOpened": 1993
}
```


2.1.2.15.6 DimReseller Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimReseller] (
	[ResellerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[GeographyKey] INT,
	[ResellerAlternateKey] NVARCHAR(15),
	[Phone] NVARCHAR(25),
	[BusinessType] VARCHAR(20) NOT NULL,
	[ResellerName] NVARCHAR(50) NOT NULL,
	[NumberEmployees] INT,
	[OrderFrequency] CHAR(1),
	[OrderMonth] TINYINT,
	[FirstOrderYear] INT,
	[LastOrderYear] INT,
	[ProductLine] NVARCHAR(50),
	[AddressLine1] NVARCHAR(60),
	[AddressLine2] NVARCHAR(60),
	[AnnualSales] MONEY,
	[BankName] NVARCHAR(50),
	[MinPaymentType] TINYINT,
	[MinPaymentAmount] MONEY,
	[AnnualRevenue] MONEY,
	[YearOpened] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.16 Table DimSalesReason

2.1.2.16.1 DimSalesReason Properties

PROPERTY	VALUE
Table	DimSalesReason
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.16.2 DimSalesReason Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
SalesReasonKey	int	true	pk, dk		
SalesReasonAlternateKey	int	true			
SalesReasonName	nvarchar(50)	true			
SalesReasonReasonType	nvarchar(50)	true			

2.1.2.16.2.1 Column SalesReasonKey

2.1.2.16.2.1.1 SalesReasonKey properties

PROPERTY	VALUE
Business Name	SalesReasonKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.16.2.2 Column SalesReasonAlternateKey

2.1.2.16.2.2.1 SalesReasonAlternateKey properties

PROPERTY	VALUE
Business Name	SalesReasonAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.16.2.3 Column SalesReasonName

2.1.2.16.2.3.1 SalesReasonName properties

PROPERTY	VALUE
Business Name	SalesReasonName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Television Advertisement
Remarks	

2.1.2.16.2.4 Column SalesReasonReasonType

2.1.2.16.2.4.1 SalesReasonReasonType properties

PROPERTY	VALUE
Business Name	SalesReasonReasonType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Marketing
Remarks	

2.1.2.16.3 DimSalesReason Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.16.4 DimSalesReason JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimSalesReason",
    "additionalProperties": false,
    "properties": {
        "SalesReasonKey": {
            "type": "number"
        },
        "SalesReasonAlternateKey": {
            "type": "number"
        },
        "SalesReasonName": {
            "type": "string"
        },
        "SalesReasonReasonType": {
            "type": "string"
        }
    },
    "required": [
        "SalesReasonKey",
        "SalesReasonAlternateKey",
        "SalesReasonName",
        "SalesReasonReasonType"
    ]
}
```


2.1.2.16.5 DimSalesReason JSON data


```
{
    "SalesReasonKey": 4,
    "SalesReasonAlternateKey": 4,
    "SalesReasonName": "Television  Advertisement",
    "SalesReasonReasonType": "Marketing"
}
```


2.1.2.16.6 DimSalesReason Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimSalesReason] (
	[SalesReasonKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesReasonAlternateKey] INT NOT NULL,
	[SalesReasonName] NVARCHAR(50) NOT NULL,
	[SalesReasonReasonType] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.17 Table DimSalesTerritory

2.1.2.17.1 DimSalesTerritory Properties

PROPERTY	VALUE
Table	DimSalesTerritory
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.17.2 DimSalesTerritory Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
SalesTerritoryKey	int	true	pk, dk		
SalesTerritoryAlternateKey	int	false			
SalesTerritoryRegion	nvarchar(50)	true			
SalesTerritoryCountry	nvarchar(50)	true			
SalesTerritoryGroup	nvarchar(50)	false			

2.1.2.17.2.1 Column SalesTerritoryKey

2.1.2.17.2.1.1 SalesTerritoryKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.17.2.2 Column SalesTerritoryAlternateKey

2.1.2.17.2.2.1 SalesTerritoryAlternateKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryAlternateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.17.2.3 Column SalesTerritoryRegion

2.1.2.17.2.3.1 SalesTerritoryRegion properties

PROPERTY	VALUE
Business Name	SalesTerritoryRegion
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Southwest
Remarks	

2.1.2.17.2.4 Column SalesTerritoryCountry

2.1.2.17.2.4.1 SalesTerritoryCountry properties

PROPERTY	VALUE
Business Name	SalesTerritoryCountry
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	United States
Remarks	

2.1.2.17.2.5 Column SalesTerritoryGroup

2.1.2.17.2.5.1 SalesTerritoryGroup properties

PROPERTY	VALUE
Business Name	SalesTerritoryGroup
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	North America
Remarks	

2.1.2.17.3 DimSalesTerritory Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.17.4 DimSalesTerritory JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimSalesTerritory",
    "additionalProperties": false,
    "properties": {
        "SalesTerritoryKey": {
            "type": "number"
        },
        "SalesTerritoryAlternateKey": {
            "type": "number"
        },
        "SalesTerritoryRegion": {
            "type": "string"
        },
        "SalesTerritoryCountry": {
            "type": "string"
        },
        "SalesTerritoryGroup": {
            "type": "string"
        }
    },
    "required": [
        "SalesTerritoryKey",
        "SalesTerritoryRegion",
        "SalesTerritoryCountry"
    ]
}
```


2.1.2.17.5 DimSalesTerritory JSON data


```
{
    "SalesTerritoryKey": 4,
    "SalesTerritoryAlternateKey": 4,
    "SalesTerritoryRegion": "Southwest",
    "SalesTerritoryCountry": "United States",
    "SalesTerritoryGroup": "North America"
}
```


2.1.2.17.6 DimSalesTerritory Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimSalesTerritory] (
	[SalesTerritoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesTerritoryAlternateKey] INT,
	[SalesTerritoryRegion] NVARCHAR(50) NOT NULL,
	[SalesTerritoryCountry] NVARCHAR(50) NOT NULL,
	[SalesTerritoryGroup] NVARCHAR(50)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.18 Table DimScenario

2.1.2.18.1 DimScenario Properties

PROPERTY	VALUE
Table	DimScenario
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.18.2 DimScenario Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ScenarioKey	int	true	pk, dk		
ScenarioName	nvarchar(50)	false			

2.1.2.18.2.1 Column ScenarioKey

2.1.2.18.2.1.1 ScenarioKey properties

PROPERTY	VALUE
Business Name	ScenarioKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	3
Remarks	

2.1.2.18.2.2 Column ScenarioName

2.1.2.18.2.2.1 ScenarioName properties

PROPERTY	VALUE
Business Name	ScenarioName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Forecast
Remarks	

2.1.2.18.3 DimScenario Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.18.4 DimScenario JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "DimScenario",
    "additionalProperties": false,
    "properties": {
        "ScenarioKey": {
            "type": "number"
        },
        "ScenarioName": {
            "type": "string"
        }
    },
    "required": [
        "ScenarioKey"
    ]
}
```

2.1.2.18.5 DimScenario JSON data

```
{
    "ScenarioKey": 3,
    "ScenarioName": "Forecast"
}
```

2.1.2.18.6 DimScenario Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
        CREATE DATABASE [hacksqlpool];
        USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[DimScenario] (
        [ScenarioKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
        [ScenarioName] NVARCHAR(50)
)WITH (
        CLUSTERED COLUMNSTORE INDEX,
        DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.19 Table FactCallCenter

2.1.2.19.1 FactCallCenter Properties

PROPERTY	VALUE
Table	FactCallCenter
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.19.2 FactCallCenter Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
FactCallCenterID	int	true	pk		
DateKey	int	true	fk		
WageType	nvarchar(15)	true			
Shift	nvarchar(20)	true			
LevelOneOperators	smallint	true			
LevelTwoOperators	smallint	true			
TotalOperators	smallint	true			
Calls	int	true			
AutomaticResponses	int	true			
Orders	int	true			
IssuesRaised	smallint	true			
AverageTimePerIssue	smallint	true			
ServiceGrade	float	true			

2.1.2.19.2.1 Column FactCallCenterID

2.1.2.19.2.1.1 FactCallCenterID properties

PROPERTY	VALUE
Business Name	FactCallCenterID
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	101
Remarks	

2.1.2.19.2.2 Column DateKey

2.1.2.19.2.2.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk DimDate.DateKey to FactCallCenter.DateKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20061126
Remarks	

2.1.2.19.2.3 Column WageType

2.1.2.19.2.3.1 WageType properties

PROPERTY	VALUE
Business Name	WageType
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	holiday
Remarks	

2.1.2.19.2.4 Column Shift

2.1.2.19.2.4.1 Shift properties

PROPERTY	VALUE
Business Name	Shift
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	AM
Remarks	

2.1.2.19.2.5 Column LevelOneOperators

2.1.2.19.2.5.1 LevelOneOperators properties

PROPERTY	VALUE
Business Name	LevelOneOperators
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.19.2.6 Column LevelTwoOperators

2.1.2.19.2.6.1 LevelTwoOperators properties

PROPERTY	VALUE
Business Name	LevelTwoOperators
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	8
Remarks	

2.1.2.19.2.7 Column TotalOperators

2.1.2.19.2.7.1 TotalOperators properties

PROPERTY	VALUE
Business Name	TotalOperators
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	10
Remarks	

2.1.2.19.2.8 Column Calls

2.1.2.19.2.8.1 Calls properties

PROPERTY	VALUE
Business Name	Calls
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	278
Remarks	

2.1.2.19.2.9 Column AutomaticResponses

2.1.2.19.2.9.1 AutomaticResponses properties

PROPERTY	VALUE
Business Name	AutomaticResponses
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	180
Remarks	

2.1.2.19.2.10 Column Orders

2.1.2.19.2.10.1 Orders properties

PROPERTY	VALUE
Business Name	Orders
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	194
Remarks	

2.1.2.19.2.11 Column IssuesRaised

2.1.2.19.2.11.1 IssuesRaised properties

PROPERTY	VALUE
Business Name	IssuesRaised
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.19.2.12 Column AverageTimePerIssue

2.1.2.19.2.12.1 AverageTimePerIssue properties

PROPERTY	VALUE
Business Name	AverageTimePerIssue
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	62
Remarks	

2.1.2.19.2.13 Column ServiceGrade

2.1.2.19.2.13.1 ServiceGrade properties

PROPERTY	VALUE
Business Name	ServiceGrade
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0.07
Remarks	

2.1.2.19.3 FactCallCenter Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.19.4 FactCallCenter JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactCallCenter",
    "additionalProperties": false,
    "properties": {
        "FactCallCenterID": {
            "type": "number"
        },
        "DateKey": {
            "type": "number"
        },
        "WageType": {
            "type": "string"
        },
        "Shift": {
            "type": "string"
        },
        "LevelOneOperators": {
            "type": "number"
        },
        "LevelTwoOperators": {
            "type": "number"
        },
        "TotalOperators": {
            "type": "number"
        },
        "Calls": {
            "type": "number"
        },
        "AutomaticResponses": {
            "type": "number"
        },
        "Orders": {
            "type": "number"
        },
        "IssuesRaised": {
            "type": "number"
        },
        "AverageTimePerIssue": {
            "type": "number"
        },
        "ServiceGrade": {
            "type": "number"
        }
    },
    "required": [
        "FactCallCenterID",
        "DateKey",
        "WageType",
        "Shift",
        "LevelOneOperators",
        "LevelTwoOperators",
        "TotalOperators",
        "Calls",
        "AutomaticResponses",
        "Orders",
        "IssuesRaised",
        "AverageTimePerIssue",
        "ServiceGrade"
```

```
    ]
}
```

2.1.2.19.5 FactCallCenter JSON data

```
{
    "FactCallCenterID": 101,
    "DateKey": 20061126,
    "WageType": "holiday",
    "Shift": "AM",
    "LevelOneOperators": 2,
    "LevelTwoOperators": 8,
    "TotalOperators": 10,
    "Calls": 278,
    "AutomaticResponses": 180,
    "Orders": 194,
    "IssuesRaised": 2,
    "AverageTimePerIssue": 62,
    "ServiceGrade": 0.07
}
```

2.1.2.19.6 FactCallCenter Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
        CREATE DATABASE [hacksqlpool];
        USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactCallCenter] (
        [FactCallCenterID] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
        [DateKey] INT NOT NULL,
        [WageType] NVARCHAR(15) NOT NULL,
        [Shift] NVARCHAR(20) NOT NULL,
        [LevelOneOperators] SMALLINT NOT NULL,
        [LevelTwoOperators] SMALLINT NOT NULL,
        [TotalOperators] SMALLINT NOT NULL,
        [Calls] INT NOT NULL,
        [AutomaticResponses] INT NOT NULL,
        [Orders] INT NOT NULL,
        [IssuesRaised] SMALLINT NOT NULL,
        [AverageTimePerIssue] SMALLINT NOT NULL,
        [ServiceGrade] FLOAT NOT NULL
)WITH (
        CLUSTERED COLUMNSTORE INDEX,
        DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.20 Table FactCurrencyRate

2.1.2.20.1 FactCurrencyRate Properties

PROPERTY	VALUE
Table	FactCurrencyRate
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.20.2 FactCurrencyRate Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
CurrencyKey	int	true	pk, fk		
DateKey	int	true	fk		
AverageRate	float	true			
EndOfDayRate	float	true			

2.1.2.20.2.1 Column CurrencyKey

2.1.2.20.2.1.1 CurrencyKey properties

PROPERTY	VALUE
Business Name	CurrencyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	DimCurrency
Foreign field	CurrencyKey
Relationship type	Foreign Key
Relationship name	fk DimCurrency.CurrencyKey to FactCurrencyRate.CurrencyKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	103
Remarks	

2.1.2.20.2.2 Column DateKey

2.1.2.20.2.2.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk DimDate.DateKey to FactCurrencyRate.DateKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20010922
Remarks	

2.1.2.20.2.3 Column AverageRate

2.1.2.20.2.3.1 AverageRate properties

PROPERTY	VALUE
Business Name	AverageRate
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0.120778781583651
Remarks	

2.1.2.20.2.4 Column EndOfDayRate

2.1.2.20.2.4.1 EndOfDayRate properties

PROPERTY	VALUE
Business Name	EndOfDayRate
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0.120786075781184
Remarks	

2.1.2.20.3 FactCurrencyRate Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.20.4 FactCurrencyRate JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactCurrencyRate",
    "additionalProperties": false,
    "properties": {
        "CurrencyKey": {
            "type": "number"
        },
        "DateKey": {
            "type": "number"
        },
        "AverageRate": {
            "type": "number"
        },
        "EndOfDayRate": {
            "type": "number"
        }
    },
    "required": [
        "CurrencyKey",
        "DateKey",
        "AverageRate",
        "EndOfDayRate"
    ]
}
```


2.1.2.20.5 FactCurrencyRate JSON data


```
{
    "CurrencyKey": 103,
    "DateKey": 20010922,
    "AverageRate": 0.120778781583651,
    "EndOfDayRate": 0.120786075781184
}
```


2.1.2.20.6 FactCurrencyRate Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactCurrencyRate] (
	[CurrencyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[AverageRate] FLOAT NOT NULL,
	[EndOfDayRate] FLOAT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.21 Table FactFinance

2.1.2.21.1 FactFinance Properties

PROPERTY	VALUE
Table	FactFinance
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.21.2 FactFinance Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
FinanceKey	int	true	pk		
DateKey	int	true	fk		
OrganizationKey	int	true	fk		
DepartmentGroupKey	int	true	fk		
ScenarioKey	int	true	fk		
AccountKey	int	true	fk		
Amount	float	true			

2.1.2.21.2.1 Column FinanceKey

2.1.2.21.2.1.1 FinanceKey properties

PROPERTY	VALUE
Business Name	FinanceKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	33918
Remarks	

2.1.2.21.2.2 Column DateKey

2.1.2.21.2.2.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk DimDate.DateKey to FactFinance.DateKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20040201
Remarks	

2.1.2.21.2.3 Column OrganizationKey

2.1.2.21.2.3.1 OrganizationKey properties

PROPERTY	VALUE
Business Name	OrganizationKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimOrganization
Foreign field	OrganizationKey
Relationship type	Foreign Key
Relationship name	fk DimOrganization.OrganizationKey to FactFinance.OrganizationKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	5
Remarks	

2.1.2.21.2.4 Column DepartmentGroupKey

2.1.2.21.2.4.1 DepartmentGroupKey properties

PROPERTY	VALUE
Business Name	DepartmentGroupKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDepartmentGroup
Foreign field	DepartmentGroupKey
Relationship type	Foreign Key
Relationship name	fk DimDepartmentGroup.DepartmentGroupKey to FactFinance.DepartmentGroupKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	7
Remarks	

2.1.2.21.2.5 Column ScenarioKey

2.1.2.21.2.5.1 ScenarioKey properties

PROPERTY	VALUE
Business Name	ScenarioKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimScenario
Foreign field	ScenarioKey
Relationship type	Foreign Key
Relationship name	fk DimScenario.ScenarioKey to FactFinance.ScenarioKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.21.2.6 Column AccountKey

2.1.2.21.2.6.1 AccountKey properties

PROPERTY	VALUE
Business Name	AccountKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimAccount
Foreign field	AccountKey
Relationship type	Foreign Key
Relationship name	fk DimAccount.AccountKey to FactFinance.AccountKey
Cardinality	0..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	33
Remarks	

2.1.2.21.2.7 Column Amount

2.1.2.21.2.7.1 Amount properties

PROPERTY	VALUE
Business Name	Amount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	29634
Remarks	

2.1.2.21.3 FactFinance Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.21.4 FactFinance JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactFinance",
    "additionalProperties": false,
    "properties": {
        "FinanceKey": {
            "type": "number"
        },
        "DateKey": {
            "type": "number"
        },
        "OrganizationKey": {
            "type": "number"
        },
        "DepartmentGroupKey": {
            "type": "number"
        },
        "ScenarioKey": {
            "type": "number"
        },
        "AccountKey": {
            "type": "number"
        },
        "Amount": {
            "type": "number"
        }
    },
    "required": [
        "FinanceKey",
        "DateKey",
        "OrganizationKey",
        "DepartmentGroupKey",
        "ScenarioKey",
        "AccountKey",
        "Amount"
    ]
}
```


2.1.2.21.5 FactFinance JSON data


```
{
    "FinanceKey": 33918,
    "DateKey": 20040201,
    "OrganizationKey": 5,
    "DepartmentGroupKey": 7,
    "ScenarioKey": 1,
    "AccountKey": 33,
    "Amount": 29634
}
```


2.1.2.21.6 FactFinance Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactFinance] (
	[FinanceKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[OrganizationKey] INT NOT NULL,
	[DepartmentGroupKey] INT NOT NULL,
	[ScenarioKey] INT NOT NULL,
	[AccountKey] INT NOT NULL,
	[Amount] FLOAT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.22 Table FactInternetSales

2.1.2.22.1 FactInternetSales Properties

PROPERTY	VALUE
Table	FactInternetSales
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.22.2 FactInternetSales Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProductKey	int	true	pk		
OrderDateKey	int	true			
DueDateKey	int	true	fk		
ShipDateKey	int	true	fk		
CustomerKey	int	true	fk		
PromotionKey	int	true	fk		
CurrencyKey	int	true	fk		
SalesTerritoryKey	int	true	fk		
SalesOrderNumber	nvarchar(20)	true	fk		
SalesOrderLineNumber	tinyint	true			
RevisionNumber	tinyint	true			
OrderQuantity	smallint	true			
UnitPrice	money	true			
ExtendedAmount	money	true			
UnitPriceDiscountPct	float	true			
DiscountAmount	float	true			
ProductStandardCost	money	true			
TotalProductCost	money	true			
SalesAmount	money	true			
TaxAmt	money	true			
Freight	money	true			
CarrierTrackingNumber	nvarchar(25)	false			
CustomerPONumber	nvarchar(25)	false			

2.1.2.22.2.1 Column ProductKey

2.1.2.22.2.1.1 ProductKey properties

PROPERTY	VALUE
Business Name	ProductKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	373
Remarks	

2.1.2.22.2.2 Column OrderDateKey

2.1.2.22.2.2.1 OrderDateKey properties

PROPERTY	VALUE
Business Name	OrderDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020803
Remarks	

2.1.2.22.2.3 Column DueDateKey

2.1.2.22.2.3.1 DueDateKey properties

PROPERTY	VALUE
Business Name	DueDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.DueDateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020815
Remarks	

2.1.2.22.2.4 Column ShipDateKey

2.1.2.22.2.4.1 ShipDateKey properties

PROPERTY	VALUE
Business Name	ShipDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.ShipDateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020810
Remarks	

2.1.2.22.2.5 Column CustomerKey

2.1.2.22.2.5.1 CustomerKey properties

PROPERTY	VALUE
Business Name	CustomerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimCustomer
Foreign field	CustomerKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.CustomerKey to DimCustomer.CustomerKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	13378
Remarks	

2.1.2.22.2.6 Column PromotionKey

2.1.2.22.2.6.1 PromotionKey properties

PROPERTY	VALUE
Business Name	PromotionKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimPromotion
Foreign field	PromotionKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.PromotionKey to DimPromotion.PromotionKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.22.2.7 Column CurrencyKey

2.1.2.22.2.7.1 CurrencyKey properties

PROPERTY	VALUE
Business Name	CurrencyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimCurrency
Foreign field	CurrencyKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.CurrencyKey to DimCurrency.CurrencyKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	100
Remarks	

2.1.2.22.2.8 Column SalesTerritoryKey

2.1.2.22.2.8.1 SalesTerritoryKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimSalesTerritory
Foreign field	SalesTerritoryKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.22.2.9 Column SalesOrderNumber

2.1.2.22.2.9.1 SalesOrderNumber properties

PROPERTY	VALUE
Business Name	SalesOrderNumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	FactInternetSalesReason
Foreign field	SalesOrderNumber
Relationship type	Foreign Key
Relationship name	fk FactInternetSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber
Cardinality	1..n
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	SO47086
Remarks	

2.1.2.22.2.10 Column SalesOrderLineNumber

2.1.2.22.2.10.1 SalesOrderLineNumber properties

PROPERTY	VALUE
Business Name	SalesOrderLineNumber
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.22.2.11 Column RevisionNumber

2.1.2.22.2.11.1 RevisionNumber properties

PROPERTY	VALUE
Business Name	RevisionNumber
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.22.2.12 Column OrderQuantity

2.1.2.22.2.12.1 OrderQuantity properties

PROPERTY	VALUE
Business Name	OrderQuantity
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.22.2.13 Column UnitPrice

2.1.2.22.2.13.1 UnitPrice properties

PROPERTY	VALUE
Business Name	UnitPrice
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2181.5625
Remarks	

2.1.2.22.2.14 Column ExtendedAmount

2.1.2.22.2.14.1 ExtendedAmount properties

PROPERTY	VALUE
Business Name	ExtendedAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2181.5625
Remarks	

2.1.2.22.2.15 Column UnitPriceDiscountPct

2.1.2.22.2.15.1 UnitPriceDiscountPct properties

PROPERTY	VALUE
Business Name	UnitPriceDiscountPct
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.22.2.16 Column DiscountAmount

2.1.2.22.2.16.1 DiscountAmount properties

PROPERTY	VALUE
Business Name	DiscountAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.22.2.17 Column ProductStandardCost

2.1.2.22.2.17.1 ProductStandardCost properties

PROPERTY	VALUE
Business Name	ProductStandardCost
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1320.6838
Remarks	

2.1.2.22.2.18 Column TotalProductCost

2.1.2.22.2.18.1 TotalProductCost properties

PROPERTY	VALUE
Business Name	TotalProductCost
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1320.6838
Remarks	

2.1.2.22.2.19 Column SalesAmount

2.1.2.22.2.19.1 SalesAmount properties

PROPERTY	VALUE
Business Name	SalesAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2181.5625
Remarks	

2.1.2.22.2.20 Column TaxAmt

2.1.2.22.2.20.1 TaxAmt properties

PROPERTY	VALUE
Business Name	TaxAmt
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	174.525
Remarks	

2.1.2.22.2.21 Column Freight

2.1.2.22.2.21.1 Freight properties

PROPERTY	VALUE
Business Name	Freight
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	54.5391
Remarks	

2.1.2.22.2.22 Column CarrierTrackingNumber

2.1.2.22.2.22.1 CarrierTrackingNumber properties

PROPERTY	VALUE
Business Name	CarrierTrackingNumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2.1.2.22.2.23 Column CustomerPONumber

2.1.2.22.2.23.1 CustomerPONumber properties

PROPERTY	VALUE
Business Name	CustomerPONumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	
Remarks	

2.1.2.22.3 FactInternetSales Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.22.4 FactInternetSales JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactInternetSales",
    "additionalProperties": false,
    "properties": {
        "ProductKey": {
            "type": "number"
        },
        "OrderDateKey": {
            "type": "number"
        },
        "DueDateKey": {
            "type": "number"
        },
        "ShipDateKey": {
            "type": "number"
        },
        "CustomerKey": {
            "type": "number"
        },
        "PromotionKey": {
            "type": "number"
        },
        "CurrencyKey": {
            "type": "number"
        },
        "SalesTerritoryKey": {
            "type": "number"
        },
        "SalesOrderNumber": {
            "type": "string"
        },
        "SalesOrderLineNumber": {
            "type": "number"
        },
        "RevisionNumber": {
            "type": "number"
        },
        "OrderQuantity": {
            "type": "number"
        },
        "UnitPrice": {
            "type": "number"
        },
        "ExtendedAmount": {
            "type": "number"
        },
        "UnitPriceDiscountPct": {
            "type": "number"
        },
        "DiscountAmount": {
            "type": "number"
        },
        "ProductStandardCost": {
            "type": "number"
        },
        "TotalProductCost": {
            "type": "number"
        },
```

```
        "SalesAmount": {
            "type": "number"
        },
        "TaxAmt": {
            "type": "number"
        },
        "Freight": {
            "type": "number"
        },
        "CarrierTrackingNumber": {
            "type": "string"
        },
        "CustomerPONumber": {
            "type": "string"
        }
    },
    "required": [
        "ProductKey",
        "OrderDateKey",
        "DueDateKey",
        "ShipDateKey",
        "CustomerKey",
        "PromotionKey",
        "CurrencyKey",
        "SalesTerritoryKey",
        "SalesOrderNumber",
        "SalesOrderLineNumber",
        "RevisionNumber",
        "OrderQuantity",
        "UnitPrice",
        "ExtendedAmount",
        "UnitPriceDiscountPct",
        "DiscountAmount",
        "ProductStandardCost",
        "TotalProductCost",
        "SalesAmount",
        "TaxAmt",
        "Freight"
    ]
}
```


2.1.2.22.5 FactInternetSales JSON data

```
{
   "ProductKey": 373,
   "OrderDateKey": 20020803,
   "DueDateKey": 20020815,
   "ShipDateKey": 20020810,
   "CustomerKey": 13378,
   "PromotionKey": 1,
   "CurrencyKey": 100,
   "SalesTerritoryKey": 4,
   "SalesOrderNumber": "SO47086",
   "SalesOrderLineNumber": 1,
   "RevisionNumber": 1,
   "OrderQuantity": 1,
   "UnitPrice": 2181.5625,
   "ExtendedAmount": 2181.5625,
   "UnitPriceDiscountPct": 0,
   "DiscountAmount": 0,
   "ProductStandardCost": 1320.6838,
   "TotalProductCost": 1320.6838,
   "SalesAmount": 2181.5625,
   "TaxAmt": 174.525,
   "Freight": 54.5391,
   "CarrierTrackingNumber": "Lorem",
   "CustomerPONumber": "Lorem"
}
```


2.1.2.22.6 FactInternetSales Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactInternetSales] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[OrderDateKey] INT NOT NULL,
	[DueDateKey] INT NOT NULL,
	[ShipDateKey] INT NOT NULL,
	[CustomerKey] INT NOT NULL,
	[PromotionKey] INT NOT NULL,
	[CurrencyKey] INT NOT NULL,
	[SalesTerritoryKey] INT NOT NULL,
	[SalesOrderNumber] NVARCHAR(20) NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[RevisionNumber] TINYINT NOT NULL,
	[OrderQuantity] SMALLINT NOT NULL,
	[UnitPrice] MONEY NOT NULL,
	[ExtendedAmount] MONEY NOT NULL,
	[UnitPriceDiscountPct] FLOAT NOT NULL,
	[DiscountAmount] FLOAT NOT NULL,
	[ProductStandardCost] MONEY NOT NULL,
	[TotalProductCost] MONEY NOT NULL,
	[SalesAmount] MONEY NOT NULL,
	[TaxAmt] MONEY NOT NULL,
	[Freight] MONEY NOT NULL,
	[CarrierTrackingNumber] NVARCHAR(25),
	[CustomerPONumber] NVARCHAR(25)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.23 Table FactInternetSalesReason

2.1.2.23.1 FactInternetSalesReason Properties

PROPERTY	VALUE
Table	FactInternetSalesReason
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.23.2 FactInternetSalesReason Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
SalesOrderNumber	nvarchar(20)	true	pk, dk		
SalesOrderLineNumber	tinyint	true			
SalesReasonKey	int	true	fk		

2.1.2.23.2.1 Column SalesOrderNumber

2.1.2.23.2.1.1 SalesOrderNumber properties

PROPERTY	VALUE
Business Name	SalesOrderNumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	SO44461
Remarks	

2.1.2.23.2.2 Column SalesOrderLineNumber

2.1.2.23.2.2.1 SalesOrderLineNumber properties

PROPERTY	VALUE
Business Name	SalesOrderLineNumber
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.23.2.3 Column SalesReasonKey

2.1.2.23.2.3.1 SalesReasonKey properties

PROPERTY	VALUE
Business Name	SalesReasonKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimSalesReason
Foreign field	SalesReasonKey
Relationship type	Foreign Key
Relationship name	fk FactInternetSalesReason.SalesReasonKey to DimSalesReason.SalesReasonKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	5
Remarks	

2.1.2.23.3 FactInternetSalesReason Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.23.4 FactInternetSalesReason JSON Schema

```
{
   "$schema": "http://json-schema.org/draft-04/schema#",
   "type": "object",
   "title": "FactInternetSalesReason",
   "additionalProperties": false,
   "properties": {
      "SalesOrderNumber": {
         "type": "string"
      },
      "SalesOrderLineNumber": {
         "type": "number"
      },
      "SalesReasonKey": {
         "type": "number"
      }
   },
   "required": [
      "SalesOrderNumber",
      "SalesOrderLineNumber",
      "SalesReasonKey"
   ]
}
```


2.1.2.23.5 FactInternetSalesReason JSON data


```
{
   "SalesOrderNumber": "SO44461",
   "SalesOrderLineNumber": 1,
   "SalesReasonKey": 5
}
```


2.1.2.23.6 FactInternetSalesReason Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactInternetSalesReason] (
	[SalesOrderNumber] NVARCHAR(20) PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[SalesReasonKey] INT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.24 Table FactResellerSales

2.1.2.24.1 FactResellerSales Properties

PROPERTY	VALUE
Table	FactResellerSales
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.24.2 FactResellerSales Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProductKey	int	true	pk		
OrderDateKey	int	true			
DueDateKey	int	true	fk		
ShipDateKey	int	true	fk		
ResellerKey	int	true	fk		
EmployeeKey	int	true	fk		
PromotionKey	int	true	fk		
CurrencyKey	int	true	fk		
SalesTerritoryKey	int	true	fk		
SalesOrderNumber	nvarchar(20)	true	fk		
SalesOrderLineNumber	tinyint	true			
RevisionNumber	tinyint	false			
OrderQuantity	smallint	false			
UnitPrice	money	false			
ExtendedAmount	money	false			
UnitPriceDiscountPct	float	false			
DiscountAmount	float	false			
ProductStandardCost	money	false			
TotalProductCost	money	false			
SalesAmount	money	false			
TaxAmt	money	false			
Freight	money	false			
CarrierTrackingNumber	nvarchar(25)	false			
CustomerPONumber	nvarchar(25)	false			

2.1.2.24.2.1 Column ProductKey

2.1.2.24.2.1.1 ProductKey properties

PROPERTY	VALUE
Business Name	ProductKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	230
Remarks	

2.1.2.24.2.2 Column OrderDateKey

2.1.2.24.2.2.1 OrderDateKey properties

PROPERTY	VALUE
Business Name	OrderDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020701
Remarks	

2.1.2.24.2.3 Column DueDateKey

2.1.2.24.2.3.1 DueDateKey properties

PROPERTY	VALUE
Business Name	DueDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.DueDateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020713
Remarks	

2.1.2.24.2.4 Column ShipDateKey

2.1.2.24.2.4.1 ShipDateKey properties

PROPERTY	VALUE
Business Name	ShipDateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.ShipDateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020708
Remarks	

2.1.2.24.2.5 Column ResellerKey

2.1.2.24.2.5.1 ResellerKey properties

PROPERTY	VALUE
Business Name	ResellerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimReseller
Foreign field	ResellerKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.ResellerKey to DimReseller.ResellerKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	618
Remarks	

2.1.2.24.2.6 Column EmployeeKey

2.1.2.24.2.6.1 EmployeeKey properties

PROPERTY	VALUE
Business Name	EmployeeKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimEmployee
Foreign field	EmployeeKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.EmployeeKey to DimEmployee.EmployeeKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	281
Remarks	

2.1.2.24.2.7 Column PromotionKey

2.1.2.24.2.7.1 PromotionKey properties

PROPERTY	VALUE
Business Name	PromotionKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimPromotion
Foreign field	PromotionKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.24.2.8 Column CurrencyKey

2.1.2.24.2.8.1 CurrencyKey properties

PROPERTY	VALUE
Business Name	CurrencyKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimCurrency
Foreign field	CurrencyKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.CurrencyKey to DimCurrency.CurrencyKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	100
Remarks	

2.1.2.24.2.9 Column SalesTerritoryKey

2.1.2.24.2.9.1 SalesTerritoryKey properties

PROPERTY	VALUE
Business Name	SalesTerritoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimSalesTerritory
Foreign field	SalesTerritoryKey
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2
Remarks	

2.1.2.24.2.10 Column SalesOrderNumber

2.1.2.24.2.10.1 SalesOrderNumber properties

PROPERTY	VALUE
Business Name	SalesOrderNumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	FactInternetSalesReason
Foreign field	SalesOrderNumber
Relationship type	Foreign Key
Relationship name	fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber
Cardinality	1..n
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	SO46620
Remarks	

2.1.2.24.2.11 Column SalesOrderLineNumber

2.1.2.24.2.11.1 SalesOrderLineNumber properties

PROPERTY	VALUE
Business Name	SalesOrderLineNumber
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	49
Remarks	

2.1.2.24.2.12 Column RevisionNumber

2.1.2.24.2.12.1 RevisionNumber properties

PROPERTY	VALUE
Business Name	RevisionNumber
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.24.2.13 Column OrderQuantity

2.1.2.24.2.13.1 OrderQuantity properties

PROPERTY	VALUE
Business Name	OrderQuantity
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.24.2.14 Column UnitPrice

2.1.2.24.2.14.1 UnitPrice properties

PROPERTY	VALUE
Business Name	UnitPrice
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	28.8404
Remarks	

2.1.2.24.2.15 Column ExtendedAmount

2.1.2.24.2.15.1 ExtendedAmount properties

PROPERTY	VALUE
Business Name	ExtendedAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	115.3616
Remarks	

2.1.2.24.2.16 Column UnitPriceDiscountPct

2.1.2.24.2.16.1 UnitPriceDiscountPct properties

PROPERTY	VALUE
Business Name	UnitPriceDiscountPct
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.24.2.17 Column DiscountAmount

2.1.2.24.2.17.1 DiscountAmount properties

PROPERTY	VALUE
Business Name	DiscountAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	float
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	0
Remarks	

2.1.2.24.2.18 Column ProductStandardCost

2.1.2.24.2.18.1 ProductStandardCost properties

PROPERTY	VALUE
Business Name	ProductStandardCost
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	29.0807
Remarks	

2.1.2.24.2.19 Column TotalProductCost

2.1.2.24.2.19.1 TotalProductCost properties

PROPERTY	VALUE
Business Name	TotalProductCost
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	116.3228
Remarks	

2.1.2.24.2.20 Column SalesAmount

2.1.2.24.2.20.1 SalesAmount properties

PROPERTY	VALUE
Business Name	SalesAmount
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	115.3616
Remarks	

2.1.2.24.2.21 Column TaxAmt

2.1.2.24.2.21.1 TaxAmt properties

PROPERTY	VALUE
Business Name	TaxAmt
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	9.2289
Remarks	

2.1.2.24.2.22 Column Freight

2.1.2.24.2.22.1 Freight properties

PROPERTY	VALUE
Business Name	Freight
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2.884
Remarks	

2.1.2.24.2.23 Column CarrierTrackingNumber

2.1.2.24.2.23.1 CarrierTrackingNumber properties

PROPERTY	VALUE
Business Name	CarrierTrackingNumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	FEE3-4994-8E
Remarks	

2.1.2.24.2.24 Column CustomerPONumber

2.1.2.24.2.24.1 CustomerPONumber properties

PROPERTY	VALUE
Business Name	CustomerPONumber
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	25
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	PO13775143788
Remarks	

2.1.2.24.3 FactResellerSales Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.24.4 FactResellerSales JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactResellerSales",
    "additionalProperties": false,
    "properties": {
        "ProductKey": {
            "type": "number"
        },
        "OrderDateKey": {
            "type": "number"
        },
        "DueDateKey": {
            "type": "number"
        },
        "ShipDateKey": {
            "type": "number"
        },
        "ResellerKey": {
            "type": "number"
        },
        "EmployeeKey": {
            "type": "number"
        },
        "PromotionKey": {
            "type": "number"
        },
        "CurrencyKey": {
            "type": "number"
        },
        "SalesTerritoryKey": {
            "type": "number"
        },
        "SalesOrderNumber": {
            "type": "string"
        },
        "SalesOrderLineNumber": {
            "type": "number"
        },
        "RevisionNumber": {
            "type": "number"
        },
        "OrderQuantity": {
            "type": "number"
        },
        "UnitPrice": {
            "type": "number"
        },
        "ExtendedAmount": {
            "type": "number"
        },
        "UnitPriceDiscountPct": {
            "type": "number"
        },
        "DiscountAmount": {
            "type": "number"
        },
        "ProductStandardCost": {
            "type": "number"
        },
```

```
        "TotalProductCost": {
            "type": "number"
        },
        "SalesAmount": {
            "type": "number"
        },
        "TaxAmt": {
            "type": "number"
        },
        "Freight": {
            "type": "number"
        },
        "CarrierTrackingNumber": {
            "type": "string"
        },
        "CustomerPONumber": {
            "type": "string"
        }
    },
    "required": [
        "ProductKey",
        "OrderDateKey",
        "DueDateKey",
        "ShipDateKey",
        "ResellerKey",
        "EmployeeKey",
        "PromotionKey",
        "CurrencyKey",
        "SalesTerritoryKey",
        "SalesOrderNumber",
        "SalesOrderLineNumber"
    ]
}
```


2.1.2.24.5 FactResellerSales JSON data

```
{
    "ProductKey": 230,
    "OrderDateKey": 20020701,
    "DueDateKey": 20020713,
    "ShipDateKey": 20020708,
    "ResellerKey": 618,
    "EmployeeKey": 281,
    "PromotionKey": 1,
    "CurrencyKey": 100,
    "SalesTerritoryKey": 2,
    "SalesOrderNumber": "SO46620",
    "SalesOrderLineNumber": 49,
    "RevisionNumber": 1,
    "OrderQuantity": 4,
    "UnitPrice": 28.8404,
    "ExtendedAmount": 115.3616,
    "UnitPriceDiscountPct": 0,
    "DiscountAmount": 0,
    "ProductStandardCost": 29.0807,
    "TotalProductCost": 116.3228,
    "SalesAmount": 115.3616,
    "TaxAmt": 9.2289,
    "Freight": 2.884,
    "CarrierTrackingNumber": "FEE3-4994-8E",
    "CustomerPONumber": "PO13775143788"
}
```


2.1.2.24.6 FactResellerSales Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactResellerSales] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[OrderDateKey] INT NOT NULL,
	[DueDateKey] INT NOT NULL,
	[ShipDateKey] INT NOT NULL,
	[ResellerKey] INT NOT NULL,
	[EmployeeKey] INT NOT NULL,
	[PromotionKey] INT NOT NULL,
	[CurrencyKey] INT NOT NULL,
	[SalesTerritoryKey] INT NOT NULL,
	[SalesOrderNumber] NVARCHAR(20) NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[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),
	[CustomerPONumber] NVARCHAR(25)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.25 Table FactSalesQuota

2.1.2.25.1 FactSalesQuota Properties

PROPERTY	VALUE
Table	FactSalesQuota
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.25.2 FactSalesQuota Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
SalesQuotaKey	int	true	pk		
EmployeeKey	int	true	fk		
DateKey	int	true	fk		
CalendarYear	smallint	true			
CalendarQuarter	tinyint	true			
SalesAmountQuota	money	true			

2.1.2.25.2.1 Column SalesQuotaKey

2.1.2.25.2.1.1 SalesQuotaKey properties

PROPERTY	VALUE
Business Name	SalesQuotaKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	135
Remarks	

2.1.2.25.2.2 Column EmployeeKey

2.1.2.25.2.2.1 EmployeeKey properties

PROPERTY	VALUE
Business Name	EmployeeKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimEmployee
Foreign field	EmployeeKey
Relationship type	Foreign Key
Relationship name	fk FactSalesQuota.EmployeeKey to DimEmployee.EmployeeKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	285
Remarks	

2.1.2.25.2.3 Column DateKey

2.1.2.25.2.3.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactSalesQuota.DateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20040101
Remarks	

2.1.2.25.2.4 Column CalendarYear

2.1.2.25.2.4.1 CalendarYear properties

PROPERTY	VALUE
Business Name	CalendarYear
Technical name	
Activated	true
Id	
Type	numeric
Subtype	smallint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	2004
Remarks	

2.1.2.25.2.5 Column CalendarQuarter

2.1.2.25.2.5.1 CalendarQuarter properties

PROPERTY	VALUE
Business Name	CalendarQuarter
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.25.2.6 Column SalesAmountQuota

2.1.2.25.2.6.1 SalesAmountQuota properties

PROPERTY	VALUE
Business Name	SalesAmountQuota
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	538000
Remarks	

2.1.2.25.3 FactSalesQuota Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.25.4 FactSalesQuota JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactSalesQuota",
    "additionalProperties": false,
    "properties": {
        "SalesQuotaKey": {
            "type": "number"
        },
        "EmployeeKey": {
            "type": "number"
        },
        "DateKey": {
            "type": "number"
        },
        "CalendarYear": {
            "type": "number"
        },
        "CalendarQuarter": {
            "type": "number"
        },
        "SalesAmountQuota": {
            "type": "number"
        }
    },
    "required": [
        "SalesQuotaKey",
        "EmployeeKey",
        "DateKey",
        "CalendarYear",
        "CalendarQuarter",
        "SalesAmountQuota"
    ]
}
```


2.1.2.25.5 FactSalesQuota JSON data


```
{
    "SalesQuotaKey": 135,
    "EmployeeKey": 285,
    "DateKey": 20040101,
    "CalendarYear": 2004,
    "CalendarQuarter": 1,
    "SalesAmountQuota": 538000
}
```


2.1.2.25.6 FactSalesQuota Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactSalesQuota] (
	[SalesQuotaKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[EmployeeKey] INT NOT NULL,
	[DateKey] INT NOT NULL,
	[CalendarYear] SMALLINT NOT NULL,
	[CalendarQuarter] TINYINT NOT NULL,
	[SalesAmountQuota] MONEY NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.26 Table FactSurveyResponse

2.1.2.26.1 FactSurveyResponse Properties

PROPERTY	VALUE
Table	FactSurveyResponse
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.26.2 FactSurveyResponse Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
SurveyResponseKey	int	true	pk		
DateKey	int	true	fk		
CustomerKey	int	true	fk		
ProductCategoryKey	int	true	fk		
EnglishProductCategoryName	nvarchar(50)	true			
ProductSubcategoryKey	int	true	fk		
EnglishProductSubcategoryName	nvarchar(50)	true			

2.1.2.26.2.1 Column SurveyResponseKey

2.1.2.26.2.1.1 SurveyResponseKey properties

PROPERTY	VALUE
Business Name	SurveyResponseKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	527
Remarks	

2.1.2.26.2.2 Column DateKey

2.1.2.26.2.2.1 DateKey properties

PROPERTY	VALUE
Business Name	DateKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimDate
Foreign field	DateKey
Relationship type	Foreign Key
Relationship name	fk FactSurveyResponse.DateKey to DimDate.DateKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	20020906
Remarks	

2.1.2.26.2.3 Column CustomerKey

2.1.2.26.2.3.1 CustomerKey properties

PROPERTY	VALUE
Business Name	CustomerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimCustomer
Foreign field	CustomerKey
Relationship type	Foreign Key
Relationship name	fk FactSurveyResponse.CustomerKey to DimCustomer.CustomerKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	16032
Remarks	

2.1.2.26.2.4 Column ProductCategoryKey

2.1.2.26.2.4.1 ProductCategoryKey properties

PROPERTY	VALUE
Business Name	ProductCategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimProductCategory
Foreign field	ProductCategoryKey
Relationship type	Foreign Key
Relationship name	fk FactSurveyResponse.ProductCategoryKey to DimProductCategory.ProductCategoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.26.2.5 Column EnglishProductCategoryName

2.1.2.26.2.5.1 EnglishProductCategoryName properties

PROPERTY	VALUE
Business Name	EnglishProductCategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Accessories
Remarks	

2.1.2.26.2.6 Column ProductSubcategoryKey

2.1.2.26.2.6.1 ProductSubcategoryKey properties

PROPERTY	VALUE
Business Name	ProductSubcategoryKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	DimProductSubcategory
Foreign field	ProductSubcategoryKey
Relationship type	Foreign Key
Relationship name	fk FactSurveyResponse.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey
Cardinality	1..n
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	26
Remarks	

2.1.2.26.2.7 Column EnglishProductSubcategoryName

2.1.2.26.2.7.1 EnglishProductSubcategoryName properties

PROPERTY	VALUE
Business Name	EnglishProductSubcategoryName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	true
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Bike Racks
Remarks	

2.1.2.26.3 FactSurveyResponse Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.26.4 FactSurveyResponse JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "FactSurveyResponse",
    "additionalProperties": false,
    "properties": {
        "SurveyResponseKey": {
            "type": "number"
        },
        "DateKey": {
            "type": "number"
        },
        "CustomerKey": {
            "type": "number"
        },
        "ProductCategoryKey": {
            "type": "number"
        },
        "EnglishProductCategoryName": {
            "type": "string"
        },
        "ProductSubcategoryKey": {
            "type": "number"
        },
        "EnglishProductSubcategoryName": {
            "type": "string"
        }
    },
    "required": [
        "SurveyResponseKey",
        "DateKey",
        "CustomerKey",
        "ProductCategoryKey",
        "EnglishProductCategoryName",
        "ProductSubcategoryKey",
        "EnglishProductSubcategoryName"
    ]
}
```


2.1.2.26.5 FactSurveyResponse JSON data


```
{
    "SurveyResponseKey": 527,
    "DateKey": 20020906,
    "CustomerKey": 16032,
    "ProductCategoryKey": 4,
    "EnglishProductCategoryName": "Accessories",
    "ProductSubcategoryKey": 26,
    "EnglishProductSubcategoryName": "Bike Racks"
}
```


2.1.2.26.6 FactSurveyResponse Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[FactSurveyResponse] (
	[SurveyResponseKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[CustomerKey] INT NOT NULL,
	[ProductCategoryKey] INT NOT NULL,
	[EnglishProductCategoryName] NVARCHAR(50) NOT NULL,
	[ProductSubcategoryKey] INT NOT NULL,
	[EnglishProductSubcategoryName] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.2.27 Table ProspectiveBuyer

2.1.2.27.1 ProspectiveBuyer Properties

PROPERTY	VALUE
Table	ProspectiveBuyer
Technical name	
Activated	true
Id	
Schema	dbo
Additional properties	false
$ref	
Comments	
If not exist	
Distribution	round_robin
Persistence	regular
SQL pool indexing	clustered columnstore index
Partition	
CTAS query	
Range for values	
Boundary value	
Remarks	

2.1.2.27.2 ProspectiveBuyer Column

COLUMN	TYPE	REQ	KEY	DESCRIPTION	COMMENTS
ProspectiveBuyerKey	int	true	pk		
ProspectAlternateKey	nvarchar(15)	false			
FirstName	nvarchar(50)	false			
MiddleName	nvarchar(50)	false			
LastName	nvarchar(50)	false			
BirthDate	datetime	false			
MaritalStatus	nchar(1)	false			
Gender	nvarchar(1)	false			
EmailAddress	nvarchar(50)	false			
YearlyIncome	money	false			
TotalChildren	tinyint	false			
NumberChildrenAtHome	tinyint	false			
Education	nvarchar(40)	false			
Occupation	nvarchar(100)	false			
HouseOwnerFlag	nchar(1)	false			
NumberCarsOwned	tinyint	false			
AddressLine1	nvarchar(120)	false			
AddressLine2	nvarchar(120)	false			
City	nvarchar(30)	false			
StateProvinceCode	nvarchar(3)	false			
PostalCode	nvarchar(15)	false			
Phone	nvarchar(20)	false			
Salutation	nvarchar(8)	false			
Unknown	int	false			

2.1.2.27.2.1 Column ProspectiveBuyerKey

2.1.2.27.2.1.1 ProspectiveBuyerKey properties

PROPERTY	VALUE
Business Name	ProspectiveBuyerKey
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	true
Masked with function	
Identity	
Primary key	true
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	291
Remarks	

2.1.2.27.2.2 Column ProspectAlternateKey

2.1.2.27.2.2.1 ProspectAlternateKey properties

PROPERTY	VALUE
Business Name	ProspectAlternateKey
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	7164
Remarks	

2.1.2.27.2.3 Column FirstName

2.1.2.27.2.3.1 FirstName properties

PROPERTY	VALUE
Business Name	FirstName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Billy
Remarks	

2.1.2.27.2.4 Column MiddleName

2.1.2.27.2.4.1 MiddleName properties

PROPERTY	VALUE
Business Name	MiddleName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	D
Remarks	

2.1.2.27.2.5 Column LastName

2.1.2.27.2.5.1 LastName properties

PROPERTY	VALUE
Business Name	LastName
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Vazquez
Remarks	

2.1.2.27.2.6 Column BirthDate

2.1.2.27.2.6.1 BirthDate properties

PROPERTY	VALUE
Business Name	BirthDate
Technical name	
Activated	true
Id	
Type	datetime
Subtype	datetime
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Pattern	
Default	
Default constraint name	
Enum	
Faker function	
Sample	1964-11-11T00:00:00.000Z
Remarks	

2.1.2.27.2.7 Column MaritalStatus

2.1.2.27.2.7.1 MaritalStatus properties

PROPERTY	VALUE
Business Name	MaritalStatus
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	S
Remarks	

2.1.2.27.2.8 Column Gender

2.1.2.27.2.8.1 Gender properties

PROPERTY	VALUE
Business Name	Gender
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	M
Remarks	

2.1.2.27.2.9 Column EmailAddress

2.1.2.27.2.9.1 EmailAddress properties

PROPERTY	VALUE
Business Name	EmailAddress
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	50
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	bvazquez@contoso.com
Remarks	

2.1.2.27.2.10 Column YearlyIncome

2.1.2.27.2.10.1 YearlyIncome properties

PROPERTY	VALUE
Business Name	YearlyIncome
Technical name	
Activated	true
Id	
Type	numeric
Subtype	money
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	80000
Remarks	

2.1.2.27.2.11 Column TotalChildren

2.1.2.27.2.11.1 TotalChildren properties

PROPERTY	VALUE
Business Name	TotalChildren
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.27.2.12 Column NumberChildrenAtHome

2.1.2.27.2.12.1 NumberChildrenAtHome properties

PROPERTY	VALUE
Business Name	NumberChildrenAtHome
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	3
Remarks	

2.1.2.27.2.13 Column Education

2.1.2.27.2.13.1 Education properties

PROPERTY	VALUE
Business Name	Education
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	40
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Partial Co
Remarks	

2.1.2.27.2.14 Column Occupation

2.1.2.27.2.14.1 Occupation properties

PROPERTY	VALUE
Business Name	Occupation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	100
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Professional
Remarks	

2.1.2.27.2.15 Column HouseOwnerFlag

2.1.2.27.2.15.1 HouseOwnerFlag properties

PROPERTY	VALUE
Business Name	HouseOwnerFlag
Technical name	
Activated	true
Id	
Type	char
Subtype	nchar
Length	1
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.27.2.16 Column NumberCarsOwned

2.1.2.27.2.16.1 NumberCarsOwned properties

PROPERTY	VALUE
Business Name	NumberCarsOwned
Technical name	
Activated	true
Id	
Type	numeric
Subtype	tinyint
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	1
Remarks	

2.1.2.27.2.17 Column AddressLine1

2.1.2.27.2.17.1 AddressLine1 properties

PROPERTY	VALUE
Business Name	AddressLine1
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	120
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	1880 Birchwood
Remarks	

2.1.2.27.2.18 Column AddressLine2

2.1.2.27.2.18.1 AddressLine2 properties

PROPERTY	VALUE
Business Name	AddressLine2
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	120
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	#9
Remarks	

2.1.2.27.2.19 Column City

2.1.2.27.2.19.1 City properties

PROPERTY	VALUE
Business Name	City
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	30
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	San Gabriel
Remarks	

2.1.2.27.2.20 Column StateProvinceCode

2.1.2.27.2.20.1 StateProvinceCode properties

PROPERTY	VALUE
Business Name	StateProvinceCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	3
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	CA
Remarks	

2.1.2.27.2.21 Column PostalCode

2.1.2.27.2.21.1 PostalCode properties

PROPERTY	VALUE
Business Name	PostalCode
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	15
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	91776
Remarks	

2.1.2.27.2.22 Column Phone

2.1.2.27.2.22.1 Phone properties

PROPERTY	VALUE
Business Name	Phone
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	20
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	401-555-0114
Remarks	

2.1.2.27.2.23 Column Salutation

2.1.2.27.2.23.1 Salutation properties

PROPERTY	VALUE
Business Name	Salutation
Technical name	
Activated	true
Id	
Type	char
Subtype	nvarchar
Length	8
Default	
Collate	
Default constraint name	
Comments	
Not null	
Masked with function	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Min length	
Pattern	
Format	
Enum	
Faker function	
Sample	Mr.
Remarks	

2.1.2.27.2.24 Column Unknown

2.1.2.27.2.24.1 Unknown properties

PROPERTY	VALUE
Business Name	Unknown
Technical name	
Activated	true
Id	
Type	numeric
Subtype	int
Default	
Default constraint name	
Comments	
Not null	
Masked with function	
Identity	
Primary key	
Unique	
Foreign table	
Foreign field	
Relationship type	
Relationship name	
Cardinality	
Unit	
Min value	
Excl min	
Max value	
Excl max	
Multiple of	
Divisible by	
Pattern	
Enum	
Faker function	
Sample	4
Remarks	

2.1.2.27.3 ProspectiveBuyer Composite keys

PROPERTY	VALUE
Primary key	
[1] Constraint name	
Key	
Unique key	
[1] Constraint name	
Key	
Alternate key	

2.1.2.27.4 ProspectiveBuyer JSON Schema

```
{
    "$schema": "http://json-schema.org/draft-04/schema#",
    "type": "object",
    "title": "ProspectiveBuyer",
    "additionalProperties": false,
    "properties": {
        "ProspectiveBuyerKey": {
            "type": "number"
        },
        "ProspectAlternateKey": {
            "type": "string"
        },
        "FirstName": {
            "type": "string"
        },
        "MiddleName": {
            "type": "string"
        },
        "LastName": {
            "type": "string"
        },
        "BirthDate": {
            "type": "string",
            "maxLength": 24
        },
        "MaritalStatus": {
            "type": "string"
        },
        "Gender": {
            "type": "string"
        },
        "EmailAddress": {
            "type": "string"
        },
        "YearlyIncome": {
            "type": "number"
        },
        "TotalChildren": {
            "type": "number"
        },
        "NumberChildrenAtHome": {
            "type": "number"
        },
        "Education": {
            "type": "string"
        },
        "Occupation": {
            "type": "string"
        },
        "HouseOwnerFlag": {
            "type": "string"
        },
        "NumberCarsOwned": {
            "type": "number"
        },
        "AddressLine1": {
            "type": "string"
        },
        "AddressLine2": {
            "type": "string"
```

```
        },
        "City": {
            "type": "string"
        },
        "StateProvinceCode": {
            "type": "string"
        },
        "PostalCode": {
            "type": "string"
        },
        "Phone": {
            "type": "string"
        },
        "Salutation": {
            "type": "string"
        },
        "Unknown": {
            "type": "number"
        }
    },
    "required": [
        "ProspectiveBuyerKey"
    ]
}
```


2.1.2.27.5 ProspectiveBuyer JSON data


```
{
    "ProspectiveBuyerKey": 291,
    "ProspectAlternateKey": "7164",
    "FirstName": "Billy",
    "MiddleName": "D",
    "LastName": "Vazquez",
    "BirthDate": "1964-11-11T00:00:00.000Z",
    "MaritalStatus": "S",
    "Gender": "M",
    "EmailAddress": "bvazquez@contoso.com",
    "YearlyIncome": 80000,
    "TotalChildren": 4,
    "NumberChildrenAtHome": 3,
    "Education": "Partial Co",
    "Occupation": "Professional",
    "HouseOwnerFlag": "1",
    "NumberCarsOwned": 1,
    "AddressLine1": "1880 Birchwood",
    "AddressLine2": "#9",
    "City": "San Gabriel",
    "StateProvinceCode": "CA",
    "PostalCode": "91776",
    "Phone": "401-555-0114",
    "Salutation": "Mr.",
    "Unknown": 4
}
```


2.1.2.27.6 ProspectiveBuyer Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[ProspectiveBuyer] (
	[ProspectiveBuyerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProspectAlternateKey] NVARCHAR(15),
	[FirstName] NVARCHAR(50),
	[MiddleName] NVARCHAR(50),
	[LastName] NVARCHAR(50),
	[BirthDate] DATETIME,
	[MaritalStatus] NCHAR(1),
	[Gender] NVARCHAR(1),
	[EmailAddress] NVARCHAR(50),
	[YearlyIncome] MONEY,
	[TotalChildren] TINYINT,
	[NumberChildrenAtHome] TINYINT,
	[Education] NVARCHAR(40),
	[Occupation] NVARCHAR(100),
	[HouseOwnerFlag] NCHAR(1),
	[NumberCarsOwned] TINYINT,
	[AddressLine1] NVARCHAR(120),
	[AddressLine2] NVARCHAR(120),
	[City] NVARCHAR(30),
	[StateProvinceCode] NVARCHAR(3),
	[PostalCode] NVARCHAR(15),
	[Phone] NVARCHAR(20),
	[Salutation] NVARCHAR(8),
	[Unknown] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);
```

2.1.3 dbo Target Script

```
IF NOT EXISTS (SELECT * FROM sys.databases WHERE name = N'[hacksqlpool]')
begin
	CREATE DATABASE [hacksqlpool];
	USE [hacksqlpool];
end;

CREATE SCHEMA [dbo];

CREATE TABLE [dbo].[AdventureWorksDWBuildVersion] (
	[DBVersion] NVARCHAR(50) PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[VersionDate] DATETIME NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DatabaseLog] (
	[DatabaseLogID] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[PostTime] DATETIME NOT NULL,
	[DatabaseUser] NVARCHAR(128) NOT NULL,
	[Event] NVARCHAR(128) NOT NULL,
	[Schema] NVARCHAR(128),
	[Object] NVARCHAR(128),
	[TSQL] NVARCHAR(4000) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimAccount] (
	[AccountKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentAccountKey] INT,
	[AccountCodeAlternateKey] INT,
	[ParentAccountCodeAlternateKey] INT,
	[AccountDescription] NVARCHAR(50),
	[AccountType] NVARCHAR(50),
	[Operator] NVARCHAR(50),
	[CustomMembers] NVARCHAR(300),
	[ValueType] NVARCHAR(50),
	[CustomMemberOptions] NVARCHAR(200)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimCurrency] (
	[CurrencyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[CurrencyAlternateKey] NCHAR(3) NOT NULL,
	[CurrencyName] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimSalesTerritory] (
	[SalesTerritoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesTerritoryAlternateKey] INT,
	[SalesTerritoryRegion] NVARCHAR(50) NOT NULL,
	[SalesTerritoryCountry] NVARCHAR(50) NOT NULL,
	[SalesTerritoryGroup] NVARCHAR(50)
```

```
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimGeography] (
	[GeographyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[City] NVARCHAR(30),
	[StateProvinceCode] NVARCHAR(3),
	[StateProvinceName] NVARCHAR(50),
	[CountryRegionCode] NVARCHAR(3),
	[EnglishCountryRegionName] NVARCHAR(50),
	[SpanishCountryRegionName] NVARCHAR(50),
	[FrenchCountryRegionName] NVARCHAR(50),
	[PostalCode] NVARCHAR(15),
	[SalesTerritoryKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimCustomer] (
	[CustomerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[GeographyKey] INT,
	[CustomerAlternateKey] NVARCHAR(15) NOT NULL,
	[Title] NVARCHAR(8),
	[FirstName] NVARCHAR(50),
	[MiddleName] NVARCHAR(50),
	[LastName] NVARCHAR(50),
	[NameStyle] BIT,
	[BirthDate] DATE,
	[MaritalStatus] NCHAR(1),
	[Suffix] NVARCHAR(10),
	[Gender] NVARCHAR(1),
	[EmailAddress] NVARCHAR(50),
	[YearlyIncome] MONEY,
	[TotalChildren] TINYINT,
	[NumberChildrenAtHome] TINYINT,
	[EnglishEducation] NVARCHAR(40),
	[SpanishEducation] NVARCHAR(40),
	[FrenchEducation] NVARCHAR(40),
	[EnglishOccupation] NVARCHAR(100),
	[SpanishOccupation] NVARCHAR(100),
	[FrenchOccupation] NVARCHAR(100),
	[HouseOwnerFlag] NCHAR(1),
	[NumberCarsOwned] TINYINT,
	[AddressLine1] NVARCHAR(120),
	[AddressLine2] NVARCHAR(120),
	[Phone] NVARCHAR(20),
	[DateFirstPurchase] DATE,
	[CommuteDistance] NVARCHAR(15)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimDate] (
	[DateKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[FullDateAlternateKey] DATE NOT NULL,
	[DayNumberOfWeek] TINYINT NOT NULL,
	[EnglishDayNameOfWeek] NVARCHAR(10) NOT NULL,
```

```
	[SpanishDayNameOfWeek] NVARCHAR(10) NOT NULL,
	[FrenchDayNameOfWeek] NVARCHAR(10) NOT NULL,
	[DayNumberOfMonth] TINYINT NOT NULL,
	[DayNumberOfYear] SMALLINT NOT NULL,
	[WeekNumberOfYear] TINYINT NOT NULL,
	[EnglishMonthName] NVARCHAR(10) NOT NULL,
	[SpanishMonthName] NVARCHAR(10) NOT NULL,
	[FrenchMonthName] NVARCHAR(10) NOT NULL,
	[MonthNumberOfYear] TINYINT NOT NULL,
	[CalendarQuarter] TINYINT NOT NULL,
	[CalendarYear] SMALLINT NOT NULL,
	[CalendarSemester] TINYINT NOT NULL,
	[FiscalQuarter] TINYINT NOT NULL,
	[FiscalYear] SMALLINT NOT NULL,
	[FiscalSemester] TINYINT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimDepartmentGroup] (
	[DepartmentGroupKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentDepartmentGroupKey] INT,
	[DepartmentGroupName] NVARCHAR(50)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimEmployee] (
	[EmployeeKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentEmployeeKey] INT,
	[EmployeeNationalIDAlternateKey] NVARCHAR(15),
	[ParentEmployeeNationalIDAlternateKey] NVARCHAR(15),
	[SalesTerritoryKey] INT,
	[FirstName] NVARCHAR(50) NOT NULL,
	[LastName] NVARCHAR(50) NOT NULL,
	[MiddleName] NVARCHAR(50),
	[NameStyle] BIT NOT NULL,
	[Title] NVARCHAR(50),
	[HireDate] DATE,
	[BirthDate] DATE,
	[LoginID] NVARCHAR(256),
	[EmailAddress] NVARCHAR(50),
	[Phone] NVARCHAR(25),
	[MaritalStatus] NCHAR(1),
	[EmergencyContactName] NVARCHAR(50),
	[EmergencyContactPhone] NVARCHAR(25),
	[SalariedFlag] BIT,
	[Gender] NCHAR(1),
	[PayFrequency] TINYINT,
	[BaseRate] MONEY,
	[VacationHours] SMALLINT,
	[SickLeaveHours] SMALLINT,
	[CurrentFlag] BIT NOT NULL,
	[SalesPersonFlag] BIT NOT NULL,
	[DepartmentName] NVARCHAR(50),
	[StartDate] DATE,
	[EndDate] DATE,
	[Status] NVARCHAR(50)
)WITH (
```

```
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimOrganization] (
	[OrganizationKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ParentOrganizationKey] INT,
	[PercentageOfOwnership] NVARCHAR(16),
	[OrganizationName] NVARCHAR(50),
	[CurrencyKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimProductCategory] (
	[ProductCategoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductCategoryAlternateKey] INT,
	[EnglishProductCategoryName] NVARCHAR(50) NOT NULL,
	[SpanishProductCategoryName] NVARCHAR(50) NOT NULL,
	[FrenchProductCategoryName] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimProductSubcategory] (
	[ProductSubcategoryKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductSubcategoryAlternateKey] INT,
	[EnglishProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[SpanishProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[FrenchProductSubcategoryName] NVARCHAR(50) NOT NULL,
	[ProductCategoryKey] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimProduct] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProductAlternateKey] NVARCHAR(25),
	[ProductSubcategoryKey] INT,
	[WeightUnitMeasureCode] NCHAR(3),
	[SizeUnitMeasureCode] NCHAR(3),
	[EnglishProductName] NVARCHAR(50) NOT NULL,
	[SpanishProductName] NVARCHAR(50),
	[FrenchProductName] NVARCHAR(50),
	[StandardCost] MONEY,
	[FinishedGoodsFlag] BIT NOT NULL,
	[Color] NVARCHAR(15) NOT NULL,
	[SafetyStockLevel] SMALLINT,
	[ReorderPoint] SMALLINT,
	[ListPrice] MONEY,
	[Size] NVARCHAR(50),
	[SizeRange] NVARCHAR(50),
	[Weight] FLOAT,
	[DaysToManufacture] INT,
	[ProductLine] NCHAR(2),
	[DealerPrice] MONEY,
	[Class] NCHAR(2),
	[Style] NCHAR(2),
```

```
	[ModelName] NVARCHAR(50),
	[EnglishDescription] NVARCHAR(400),
	[FrenchDescription] NVARCHAR(400),
	[ChineseDescription] NVARCHAR(400),
	[ArabicDescription] NVARCHAR(400),
	[HebrewDescription] NVARCHAR(400),
	[ThaiDescription] NVARCHAR(400),
	[GermanDescription] NVARCHAR(400),
	[JapaneseDescription] NVARCHAR(400),
	[TurkishDescription] NVARCHAR(400),
	[StartDate] DATETIME,
	[EndDate] DATETIME,
	[Status] NVARCHAR(7)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimPromotion] (
	[PromotionKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[PromotionAlternateKey] INT,
	[EnglishPromotionName] NVARCHAR(255),
	[SpanishPromotionName] NVARCHAR(255),
	[FrenchPromotionName] NVARCHAR(255),
	[DiscountPct] FLOAT,
	[EnglishPromotionType] NVARCHAR(50),
	[SpanishPromotionType] NVARCHAR(50),
	[FrenchPromotionType] NVARCHAR(50),
	[EnglishPromotionCategory] NVARCHAR(50),
	[SpanishPromotionCategory] NVARCHAR(50),
	[FrenchPromotionCategory] NVARCHAR(50),
	[StartDate] DATETIME NOT NULL,
	[EndDate] DATETIME,
	[MinQty] INT,
	[MaxQty] INT
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimReseller] (
	[ResellerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[GeographyKey] INT,
	[ResellerAlternateKey] NVARCHAR(15),
	[Phone] NVARCHAR(25),
	[BusinessType] VARCHAR(20) NOT NULL,
	[ResellerName] NVARCHAR(50) NOT NULL,
	[NumberEmployees] INT,
	[OrderFrequency] CHAR(1),
	[OrderMonth] TINYINT,
	[FirstOrderYear] INT,
	[LastOrderYear] INT,
	[ProductLine] NVARCHAR(50),
	[AddressLine1] NVARCHAR(60),
	[AddressLine2] NVARCHAR(60),
	[AnnualSales] MONEY,
	[BankName] NVARCHAR(50),
	[MinPaymentType] TINYINT,
	[MinPaymentAmount] MONEY,
	[AnnualRevenue] MONEY,
	[YearOpened] INT
```

```
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimSalesReason] (
	[SalesReasonKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesReasonAlternateKey] INT NOT NULL,
	[SalesReasonName] NVARCHAR(50) NOT NULL,
	[SalesReasonReasonType] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[DimScenario] (
	[ScenarioKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ScenarioName] NVARCHAR(50)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactCallCenter] (
	[FactCallCenterID] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[WageType] NVARCHAR(15) NOT NULL,
	[Shift] NVARCHAR(20) NOT NULL,
	[LevelOneOperators] SMALLINT NOT NULL,
	[LevelTwoOperators] SMALLINT NOT NULL,
	[TotalOperators] SMALLINT NOT NULL,
	[Calls] INT NOT NULL,
	[AutomaticResponses] INT NOT NULL,
	[Orders] INT NOT NULL,
	[IssuesRaised] SMALLINT NOT NULL,
	[AverageTimePerIssue] SMALLINT NOT NULL,
	[ServiceGrade] FLOAT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactCurrencyRate] (
	[CurrencyKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[AverageRate] FLOAT NOT NULL,
	[EndOfDayRate] FLOAT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactFinance] (
	[FinanceKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[OrganizationKey] INT NOT NULL,
	[DepartmentGroupKey] INT NOT NULL,
	[ScenarioKey] INT NOT NULL,
	[AccountKey] INT NOT NULL,
	[Amount] FLOAT NOT NULL
)WITH (
```

```
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactInternetSalesReason] (
	[SalesOrderNumber] NVARCHAR(20) PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[SalesReasonKey] INT NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactInternetSales] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[OrderDateKey] INT NOT NULL,
	[DueDateKey] INT NOT NULL,
	[ShipDateKey] INT NOT NULL,
	[CustomerKey] INT NOT NULL,
	[PromotionKey] INT NOT NULL,
	[CurrencyKey] INT NOT NULL,
	[SalesTerritoryKey] INT NOT NULL,
	[SalesOrderNumber] NVARCHAR(20) NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[RevisionNumber] TINYINT NOT NULL,
	[OrderQuantity] SMALLINT NOT NULL,
	[UnitPrice] MONEY NOT NULL,
	[ExtendedAmount] MONEY NOT NULL,
	[UnitPriceDiscountPct] FLOAT NOT NULL,
	[DiscountAmount] FLOAT NOT NULL,
	[ProductStandardCost] MONEY NOT NULL,
	[TotalProductCost] MONEY NOT NULL,
	[SalesAmount] MONEY NOT NULL,
	[TaxAmt] MONEY NOT NULL,
	[Freight] MONEY NOT NULL,
	[CarrierTrackingNumber] NVARCHAR(25),
	[CustomerPONumber] NVARCHAR(25)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactResellerSales] (
	[ProductKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[OrderDateKey] INT NOT NULL,
	[DueDateKey] INT NOT NULL,
	[ShipDateKey] INT NOT NULL,
	[ResellerKey] INT NOT NULL,
	[EmployeeKey] INT NOT NULL,
	[PromotionKey] INT NOT NULL,
	[CurrencyKey] INT NOT NULL,
	[SalesTerritoryKey] INT NOT NULL,
	[SalesOrderNumber] NVARCHAR(20) NOT NULL,
	[SalesOrderLineNumber] TINYINT NOT NULL,
	[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),
	[CustomerPONumber] NVARCHAR(25)
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactSalesQuota] (
	[SalesQuotaKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[EmployeeKey] INT NOT NULL,
	[DateKey] INT NOT NULL,
	[CalendarYear] SMALLINT NOT NULL,
	[CalendarQuarter] TINYINT NOT NULL,
	[SalesAmountQuota] MONEY NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[FactSurveyResponse] (
	[SurveyResponseKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[DateKey] INT NOT NULL,
	[CustomerKey] INT NOT NULL,
	[ProductCategoryKey] INT NOT NULL,
	[EnglishProductCategoryName] NVARCHAR(50) NOT NULL,
	[ProductSubcategoryKey] INT NOT NULL,
	[EnglishProductSubcategoryName] NVARCHAR(50) NOT NULL
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE TABLE [dbo].[ProspectiveBuyer] (
	[ProspectiveBuyerKey] INT PRIMARY KEY NONCLUSTERED NOT ENFORCED NOT NULL,
	[ProspectAlternateKey] NVARCHAR(15),
	[FirstName] NVARCHAR(50),
	[MiddleName] NVARCHAR(50),
	[LastName] NVARCHAR(50),
	[BirthDate] DATETIME,
	[MaritalStatus] NCHAR(1),
	[Gender] NVARCHAR(1),
	[EmailAddress] NVARCHAR(50),
	[YearlyIncome] MONEY,
	[TotalChildren] TINYINT,
	[NumberChildrenAtHome] TINYINT,
	[Education] NVARCHAR(40),
	[Occupation] NVARCHAR(100),
	[HouseOwnerFlag] NCHAR(1),
	[NumberCarsOwned] TINYINT,
	[AddressLine1] NVARCHAR(120),
	[AddressLine2] NVARCHAR(120),
	[City] NVARCHAR(30),
	[StateProvinceCode] NVARCHAR(3),
	[PostalCode] NVARCHAR(15),
	[Phone] NVARCHAR(20),
	[Salutation] NVARCHAR(8),
	[Unknown] INT
```

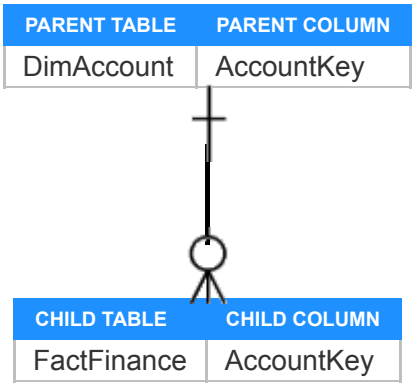
```
)WITH (
	CLUSTERED COLUMNSTORE INDEX,
	DISTRIBUTION = ROUND_ROBIN
);

CREATE VIEW [dbo].[AggregateSales]
AS SELECT FIS.SalesAmount, DG.PostalCode, DC.YearlyIncome AS CustomerIncome,  DD.FullDateAlternateKey AS OrderDate
		FROM FactInternetSales AS FIS
			JOIN DimCustomer AS DC
			ON (FIS.CustomerKey = DC.CustomerKey)
			JOIN DimDate AS DD
			ON (FIS.OrderDateKey = DD.DateKey)
			JOIN DimGeography AS DG
				ON (DC.GeographyKey = DG.GeographyKey);
;

CREATE VIEW [dbo].[SalesByCustomer]
AS SELECT fis.SalesAmount, dst.Gender, dst.NumberCarsOwned, dst.YearlyIncome AS CustomerYearlyIncome, dst.TotalChildren
	FROM FactInternetSales AS fis
	LEFT OUTER JOIN DimCustomer AS dst
	ON (fis.CustomerKey=dst.CustomerKey);
;

CREATE VIEW [dbo].[vDMPrep]
AS SELECT
			pc.[EnglishProductCategoryName]
			,Coalesce(p.[ModelName], p.[EnglishProductName]) AS [Model]
			,c.[CustomerKey]
			,s.[SalesTerritoryGroup] AS [Region]
			,CASE
				WHEN Month(GetDate()) < Month(c.[BirthDate])
					THEN DateDiff(yy,c.[BirthDate],GetDate()) - 1
				WHEN Month(GetDate()) = Month(c.[BirthDate])
				AND Day(GetDate()) < Day(c.[BirthDate])
					THEN DateDiff(yy,c.[BirthDate],GetDate()) - 1
				ELSE DateDiff(yy,c.[BirthDate],GetDate())
			END AS [Age]
			,CASE
				WHEN c.[YearlyIncome] < 40000 THEN 'Low'
				WHEN c.[YearlyIncome] > 60000 THEN 'High'
				ELSE 'Moderate'
			END AS [IncomeGroup]
			,d.[CalendarYear]
			,d.[FiscalYear]
			,d.[MonthNumberOfYear] AS [Month]
			,f.[SalesOrderNumber] AS [OrderNumber]
			,f.SalesOrderLineNumber AS LineNumber
			,f.OrderQuantity AS Quantity
			,f.ExtendedAmount AS Amount
		FROM
			[dbo].[FactInternetSales] f
		INNER JOIN [dbo].[DimDate] d
			ON f.[OrderDateKey] = d.[DateKey]
		INNER JOIN [dbo].[DimProduct] p
			ON f.[ProductKey] = p.[ProductKey]
		INNER JOIN [dbo].[DimProductSubcategory] psc
			ON p.[ProductSubcategoryKey] = psc.[ProductSubcategoryKey]
		INNER JOIN [dbo].[DimProductCategory] pc
			ON psc.[ProductCategoryKey] = pc.[ProductCategoryKey]
		INNER JOIN [dbo].[DimCustomer] c
			ON f.[CustomerKey] = c.[CustomerKey]
```

```
                    INNER JOIN [dbo].[DimGeography] g
                        ON c.[GeographyKey] = g.[GeographyKey]
                    INNER JOIN [dbo].[DimSalesTerritory] s
                        ON g.[SalesTerritoryKey] = s.[SalesTerritoryKey];
;

CREATE VIEW [dbo].[SalesByDate]
AS SELECT fis.SalesAmount, dst.EnglishMonthName, dst.CalendarYear
        FROM FactInternetSales AS fis
        LEFT OUTER JOIN DimDate AS dst
        ON (fis.OrderDateKey=dst.DateKey);
;

CREATE VIEW [dbo].[SalesByRegion]
AS SELECT fis.SalesAmount, dst.PostalCode, dst.StateProvinceCode
        FROM FactInternetSales AS fis
        LEFT OUTER JOIN DimGeography AS dst
        ON (fis.SalesTerritoryKey=dst.SalesTerritoryKey);
;

CREATE VIEW [dbo].[SalesByCategory]
AS SELECT fis.SalesAmount, dst.ProductLine
        FROM FactInternetSales AS fis
        LEFT OUTER JOIN DimProduct AS dst
        ON (fis.ProductKey=dst.ProductKey);
;
```

3. RELATIONSHIPS

3.1 Relationship fk DimAccount.AccountKey to FactFinance.AccountKey

3.1.1 fk DimAccount.AccountKey to FactFinance.AccountKey Diagram

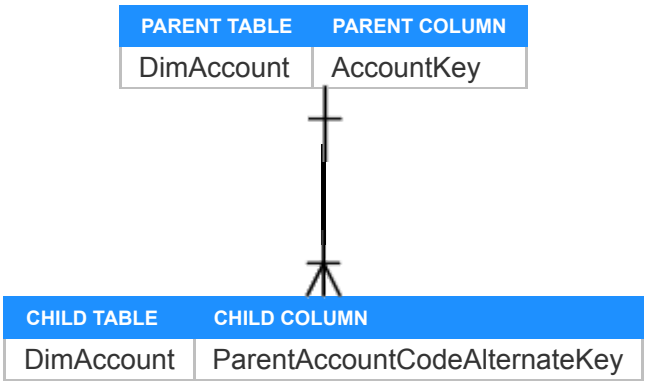


3.1.2 fk DimAccount.AccountKey to FactFinance.AccountKey Properties

PROPERTY	VALUE
Name	fk DimAccount.AccountKey to FactFinance.AccountKey
Description	
Parent Table	DimAccount
Parent Column	AccountKey
Parent Cardinality	1
Child Table	FactFinance
Child Column	AccountKey
Child Cardinality	0..n
Comments	

3.2 Relationship fk DimAccount.ParentAccountCodeAlternateKey to DimAccount.AccountKey

3.2.1 fk DimAccount.ParentAccountCodeAlternateKey to DimAccount.AccountKey Diagram

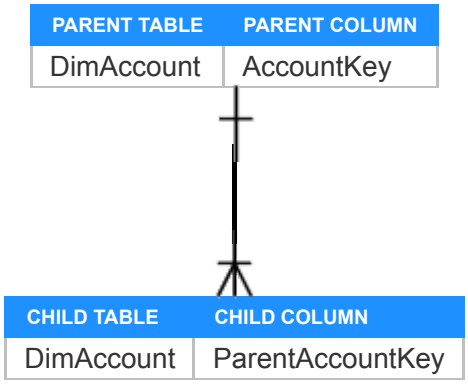


3.2.2 fk DimAccount.ParentAccountCodeAlternateKey to DimAccount.AccountKey Properties

PROPERTY	VALUE
Name	fk DimAccount.ParentAccountCodeAlternateKey to DimAccount.AccountKey
Description	
Parent Table	DimAccount
Parent Column	AccountKey
Parent Cardinality	1
Child Table	DimAccount
Child Column	ParentAccountCodeAlternateKey
Child Cardinality	1..n
Comments	

3.3 Relationship fk DimAccount.ParentAccountKey to DimAccount.AccountKey

3.3.1 fk DimAccount.ParentAccountKey to DimAccount.AccountKey Diagram

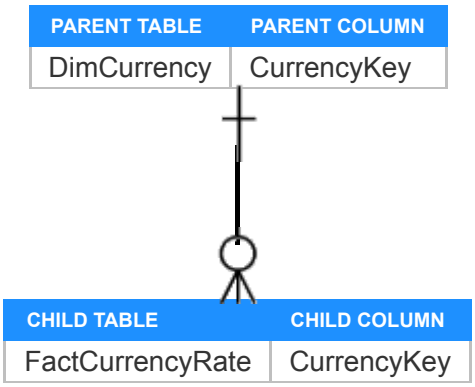


3.3.2 fk DimAccount.ParentAccountKey to DimAccount.AccountKey Properties

PROPERTY	VALUE
Name	fk DimAccount.ParentAccountKey to DimAccount.AccountKey
Description	
Parent Table	DimAccount
Parent Column	AccountKey
Parent Cardinality	1
Child Table	DimAccount
Child Column	ParentAccountKey
Child Cardinality	1..n
Comments	

3.4 Relationship fk DimCurrency.CurrencyKey to FactCurrencyRate.CurrencyKey

3.4.1 fk DimCurrency.CurrencyKey to FactCurrencyRate.CurrencyKey Diagram

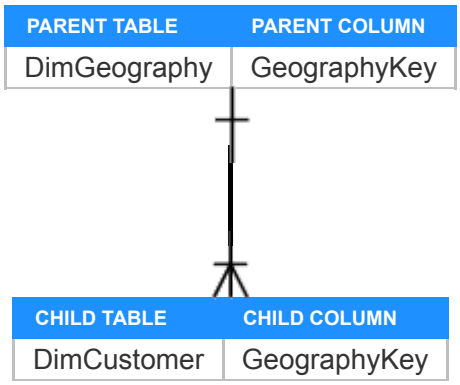


3.4.2 fk DimCurrency.CurrencyKey to FactCurrencyRate.CurrencyKey Properties

PROPERTY	VALUE
Name	fk DimCurrency.CurrencyKey to FactCurrencyRate.CurrencyKey
Description	
Parent Table	DimCurrency
Parent Column	CurrencyKey
Parent Cardinality	1
Child Table	FactCurrencyRate
Child Column	CurrencyKey
Child Cardinality	0..n
Comments	

3.5 Relationship fk DimCustomer.GeographyKey to DimGeography.GeographyKey

3.5.1 fk DimCustomer.GeographyKey to DimGeography.GeographyKey Diagram



3.5.2 fk DimCustomer.GeographyKey to DimGeography.GeographyKey Properties

PROPERTY	VALUE
Name	fk DimCustomer.GeographyKey to DimGeography.GeographyKey
Description	
Parent Table	DimGeography
Parent Column	GeographyKey
Parent Cardinality	1
Child Table	DimCustomer
Child Column	GeographyKey
Child Cardinality	1..n
Comments	

3.6 Relationship fk DimDate.DateKey to FactCallCenter.DateKey

3.6.1 fk DimDate.DateKey to FactCallCenter.DateKey Diagram

PARENT TABLE	PARENT COLUMN
DimDate	DateKey

CHILD TABLE	CHILD COLUMN
FactCallCenter	DateKey

3.6.2 fk DimDate.DateKey to FactCallCenter.DateKey Properties

PROPERTY	VALUE
Name	fk DimDate.DateKey to FactCallCenter.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactCallCenter
Child Column	DateKey
Child Cardinality	0..n
Comments	

3.7 Relationship fk DimDate.DateKey to FactCurrencyRate.DateKey

3.7.1 fk DimDate.DateKey to FactCurrencyRate.DateKey Diagram

PARENT TABLE	PARENT COLUMN
DimDate	DateKey

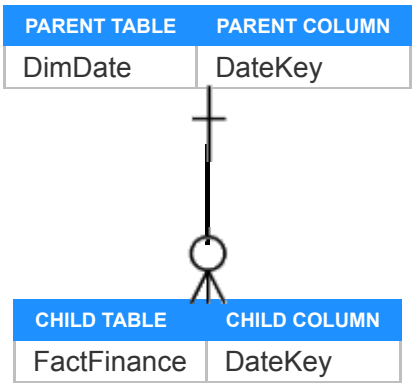
CHILD TABLE	CHILD COLUMN
FactCurrencyRate	DateKey

3.7.2 fk DimDate.DateKey to FactCurrencyRate.DateKey Properties

PROPERTY	VALUE
Name	fk DimDate.DateKey to FactCurrencyRate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactCurrencyRate
Child Column	DateKey
Child Cardinality	0..n
Comments	

3.8 Relationship fk DimDate.DateKey to FactFinance.DateKey

3.8.1 fk DimDate.DateKey to FactFinance.DateKey Diagram

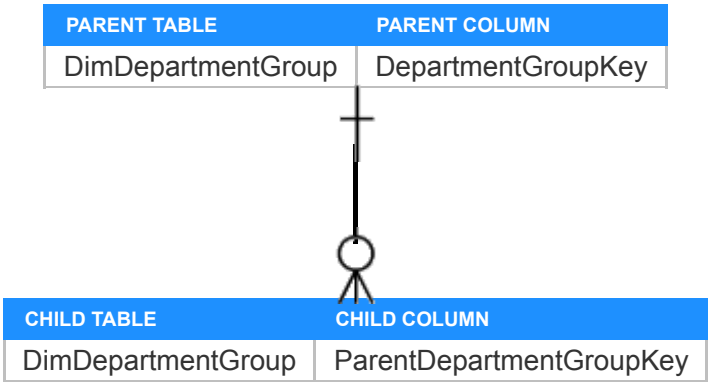


3.8.2 fk DimDate.DateKey to FactFinance.DateKey Properties

PROPERTY	VALUE
Name	fk DimDate.DateKey to FactFinance.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactFinance
Child Column	DateKey
Child Cardinality	0..n
Comments	

3.9 Relationship fk DimDepartmentGroup.DepartmentGroupKey to DimDepartmentGroup.ParentDepartmentGroupKey

3.9.1 fk DimDepartmentGroup.DepartmentGroupKey to DimDepartmentGroup.ParentDepartmentGroupKey Diagram

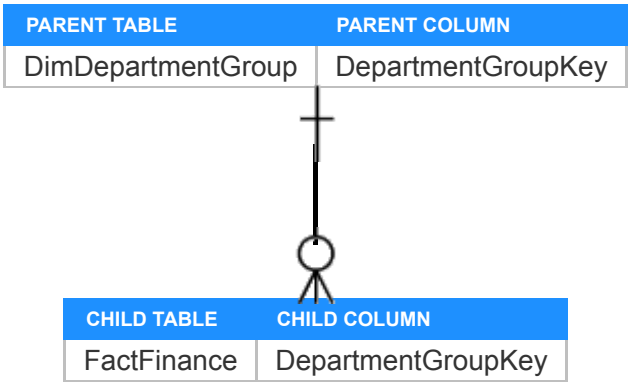


3.9.2 fk DimDepartmentGroup.DepartmentGroupKey to DimDepartmentGroup.ParentDepartmentGroupKey Properties

PROPERTY	VALUE
Name	fk DimDepartmentGroup.DepartmentGroupKey to DimDepartmentGroup.ParentDepartmentGroupKey
Description	
Parent Table	DimDepartmentGroup
Parent Column	DepartmentGroupKey
Parent Cardinality	1
Child Table	DimDepartmentGroup
Child Column	ParentDepartmentGroupKey
Child Cardinality	0..n
Comments	

3.10 Relationship fk DimDepartmentGroup.DepartmentGroupKey to FactFinance.DepartmentGroupKey

3.10.1 fk DimDepartmentGroup.DepartmentGroupKey to FactFinance.DepartmentGroupKey Diagram

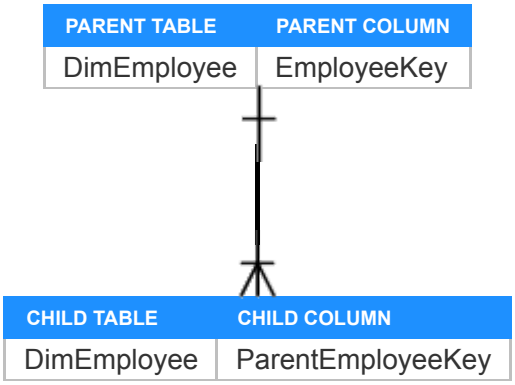


3.10.2 fk DimDepartmentGroup.DepartmentGroupKey to FactFinance.DepartmentGroupKey Properties

PROPERTY	VALUE
Name	fk DimDepartmentGroup.DepartmentGroupKey to FactFinance.DepartmentGroupKey
Description	
Parent Table	DimDepartmentGroup
Parent Column	DepartmentGroupKey
Parent Cardinality	1
Child Table	FactFinance
Child Column	DepartmentGroupKey
Child Cardinality	0..n
Comments	

3.11 Relationship fk DimEmployee.ParentEmployeeKey to DimEmployee.EmployeeKey

3.11.1 fk DimEmployee.ParentEmployeeKey to DimEmployee.EmployeeKey Diagram

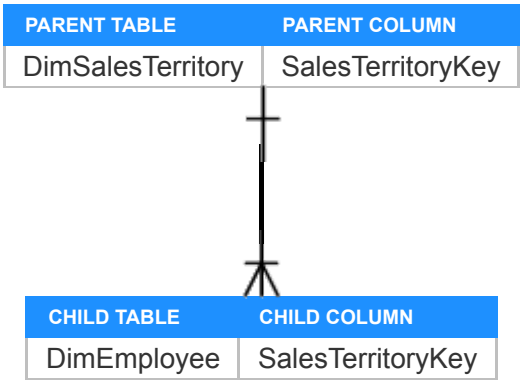


3.11.2 fk DimEmployee.ParentEmployeeKey to DimEmployee.EmployeeKey Properties

PROPERTY	VALUE
Name	fk DimEmployee.ParentEmployeeKey to DimEmployee.EmployeeKey
Description	
Parent Table	DimEmployee
Parent Column	EmployeeKey
Parent Cardinality	1
Child Table	DimEmployee
Child Column	ParentEmployeeKey
Child Cardinality	1..n
Comments	

3.12 Relationship fk DimEmployee.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey

3.12.1 fk DimEmployee.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Diagram

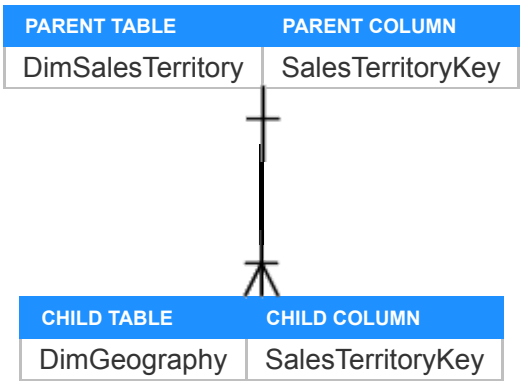


3.12.2 fk DimEmployee.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Properties

PROPERTY	VALUE
Name	fk DimEmployee.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Description	
Parent Table	DimSalesTerritory
Parent Column	SalesTerritoryKey
Parent Cardinality	1
Child Table	DimEmployee
Child Column	SalesTerritoryKey
Child Cardinality	1..n
Comments	

3.13 Relationship fk DimGeography.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey

3.13.1 fk DimGeography.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Diagram

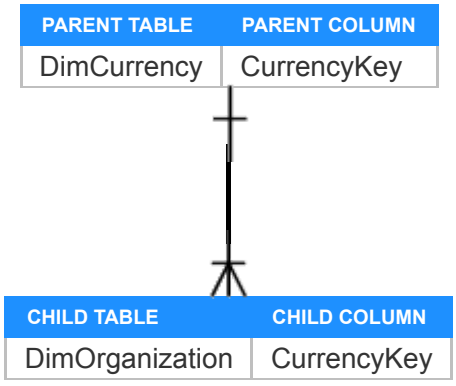


3.13.2 fk DimGeography.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Properties

PROPERTY	VALUE
Name	fk DimGeography.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Description	
Parent Table	DimSalesTerritory
Parent Column	SalesTerritoryKey
Parent Cardinality	1
Child Table	DimGeography
Child Column	SalesTerritoryKey
Child Cardinality	1..n
Comments	

3.14 Relationship fk DimOrganization.CurrencyKey to DimCurrency.CurrencyKey

3.14.1 fk DimOrganization.CurrencyKey to DimCurrency.CurrencyKey Diagram

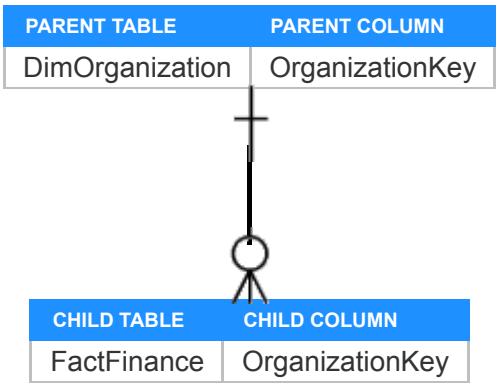


3.14.2 fk DimOrganization.CurrencyKey to DimCurrency.CurrencyKey Properties

PROPERTY	VALUE
Name	fk DimOrganization.CurrencyKey to DimCurrency.CurrencyKey
Description	
Parent Table	DimCurrency
Parent Column	CurrencyKey
Parent Cardinality	1
Child Table	DimOrganization
Child Column	CurrencyKey
Child Cardinality	1..n
Comments	

3.15 Relationship fk DimOrganization.OrganizationKey to FactFinance.OrganizationKey

3.15.1 fk DimOrganization.OrganizationKey to FactFinance.OrganizationKey Diagram

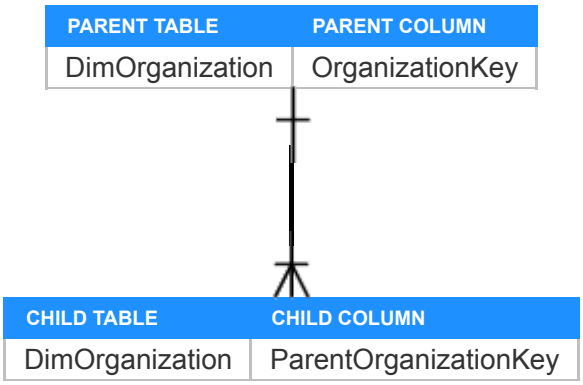


3.15.2 fk DimOrganization.OrganizationKey to FactFinance.OrganizationKey Properties

PROPERTY	VALUE
Name	fk DimOrganization.OrganizationKey to FactFinance.OrganizationKey
Description	
Parent Table	DimOrganization
Parent Column	OrganizationKey
Parent Cardinality	1
Child Table	FactFinance
Child Column	OrganizationKey
Child Cardinality	0..n
Comments	

3.16 Relationship fk DimOrganization.ParentOrganizationKey to DimOrganization.OrganizationKey

3.16.1 fk DimOrganization.ParentOrganizationKey to DimOrganization.OrganizationKey Diagram

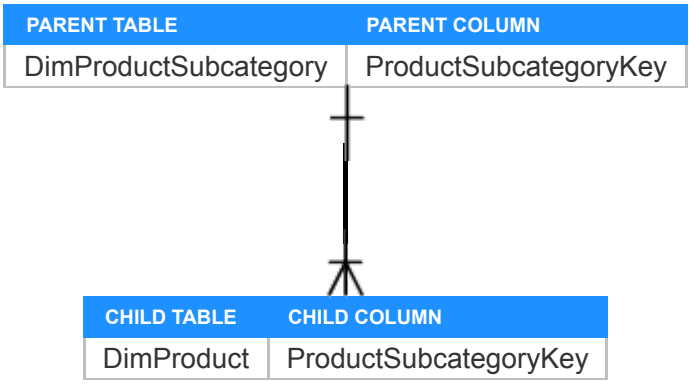


3.16.2 fk DimOrganization.ParentOrganizationKey to DimOrganization.OrganizationKey Properties

PROPERTY	VALUE
Name	fk DimOrganization.ParentOrganizationKey to DimOrganization.OrganizationKey
Description	
Parent Table	DimOrganization
Parent Column	OrganizationKey
Parent Cardinality	1
Child Table	DimOrganization
Child Column	ParentOrganizationKey
Child Cardinality	1..n
Comments	

3.17 Relationship fk DimProduct.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey

3.17.1 fk DimProduct.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey Diagram

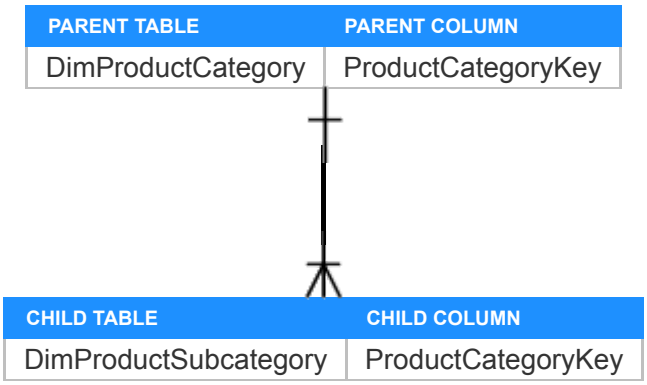


3.17.2 fk DimProduct.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey Properties

PROPERTY	VALUE
Name	fk DimProduct.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey
Description	
Parent Table	DimProductSubcategory
Parent Column	ProductSubcategoryKey
Parent Cardinality	1
Child Table	DimProduct
Child Column	ProductSubcategoryKey
Child Cardinality	1..n
Comments	

3.18 Relationship fk DimProductSubcategory.ProductCategoryKey to DimProductCategory.ProductCategoryKey

3.18.1 fk DimProductSubcategory.ProductCategoryKey to DimProductCategory.ProductCategoryKey Diagram

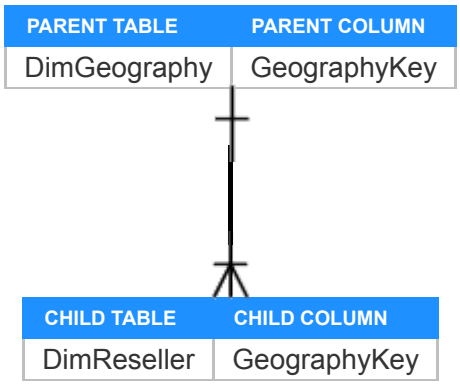


3.18.2 fk DimProductSubcategory.ProductCategoryKey to DimProductCategory.ProductCategoryKey Properties

PROPERTY	VALUE
Name	fk DimProductSubcategory.ProductCategoryKey to DimProductCategory.ProductCategoryKey
Description	
Parent Table	DimProductCategory
Parent Column	ProductCategoryKey
Parent Cardinality	1
Child Table	DimProductSubcategory
Child Column	ProductCategoryKey
Child Cardinality	1..n
Comments	

3.19 Relationship fk DimReseller.GeographyKey to DimGeography.GeographyKey

3.19.1 fk DimReseller.GeographyKey to DimGeography.GeographyKey Diagram

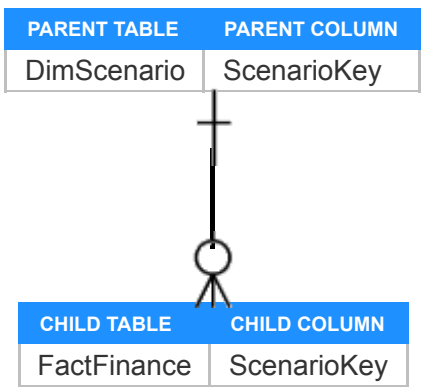


3.19.2 fk DimReseller.GeographyKey to DimGeography.GeographyKey Properties

PROPERTY	VALUE
Name	fk DimReseller.GeographyKey to DimGeography.GeographyKey
Description	
Parent Table	DimGeography
Parent Column	GeographyKey
Parent Cardinality	1
Child Table	DimReseller
Child Column	GeographyKey
Child Cardinality	1..n
Comments	

3.20 Relationship fk DimScenario.ScenarioKey to FactFinance.ScenarioKey

3.20.1 fk DimScenario.ScenarioKey to FactFinance.ScenarioKey Diagram

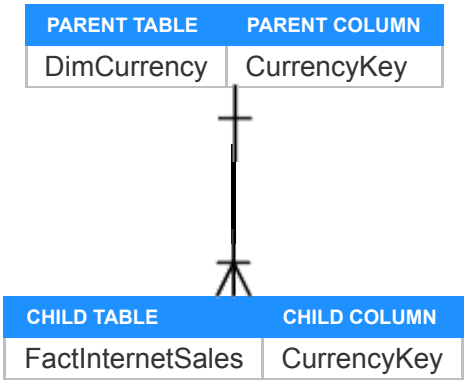


3.20.2 fk DimScenario.ScenarioKey to FactFinance.ScenarioKey Properties

PROPERTY	VALUE
Name	fk DimScenario.ScenarioKey to FactFinance.ScenarioKey
Description	
Parent Table	DimScenario
Parent Column	ScenarioKey
Parent Cardinality	1
Child Table	FactFinance
Child Column	ScenarioKey
Child Cardinality	0..n
Comments	

3.21 Relationship fk FactInternetSales.CurrencyKey to DimCurrency.CurrencyKey

3.21.1 fk FactInternetSales.CurrencyKey to DimCurrency.CurrencyKey Diagram

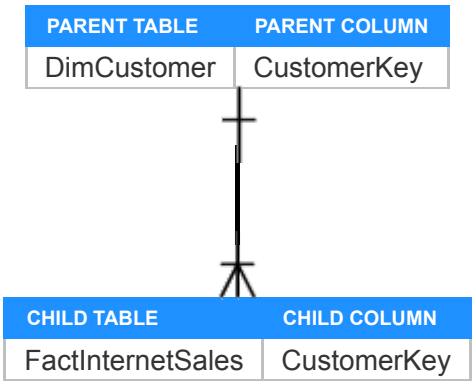


3.21.2 fk FactInternetSales.CurrencyKey to DimCurrency.CurrencyKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.CurrencyKey to DimCurrency.CurrencyKey
Description	
Parent Table	DimCurrency
Parent Column	CurrencyKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	CurrencyKey
Child Cardinality	1..n
Comments	

3.22 Relationship fk FactInternetSales.CustomerKey to DimCustomer.CustomerKey

3.22.1 fk FactInternetSales.CustomerKey to DimCustomer.CustomerKey Diagram

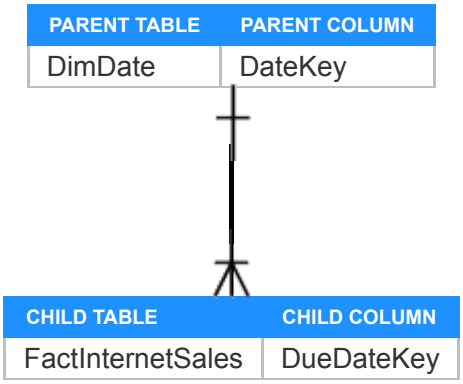


3.22.2 fk FactInternetSales.CustomerKey to DimCustomer.CustomerKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.CustomerKey to DimCustomer.CustomerKey
Description	
Parent Table	DimCustomer
Parent Column	CustomerKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	CustomerKey
Child Cardinality	1..n
Comments	

3.23 Relationship fk FactInternetSales.DueDateKey to DimDate.DateKey

3.23.1 fk FactInternetSales.DueDateKey to DimDate.DateKey Diagram

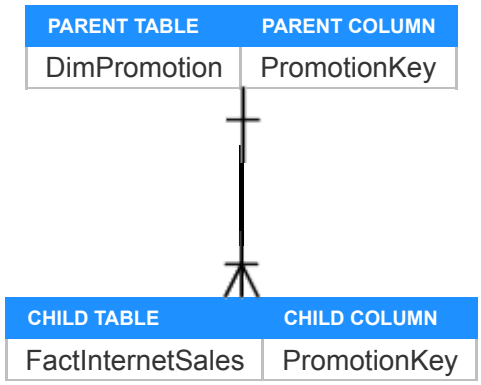


3.23.2 fk FactInternetSales.DueDateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.DueDateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	DueDateKey
Child Cardinality	1..n
Comments	

3.24 Relationship fk FactInternetSales.PromotionKey to DimPromotion.PromotionKey

3.24.1 fk FactInternetSales.PromotionKey to DimPromotion.PromotionKey Diagram

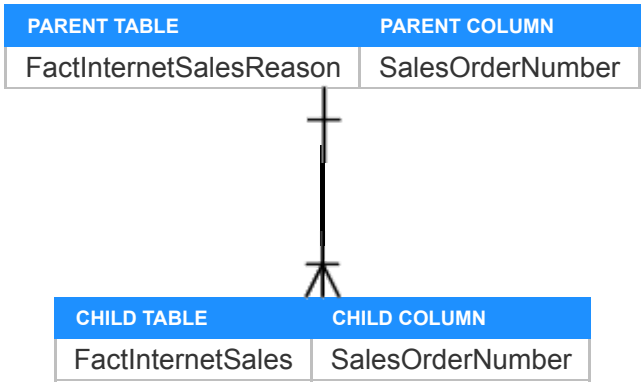


3.24.2 fk FactInternetSales.PromotionKey to DimPromotion.PromotionKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.PromotionKey to DimPromotion.PromotionKey
Description	
Parent Table	DimPromotion
Parent Column	PromotionKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	PromotionKey
Child Cardinality	1..n
Comments	

3.25 Relationship fk FactInternetSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber

3.25.1 fk FactInternetSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber Diagram

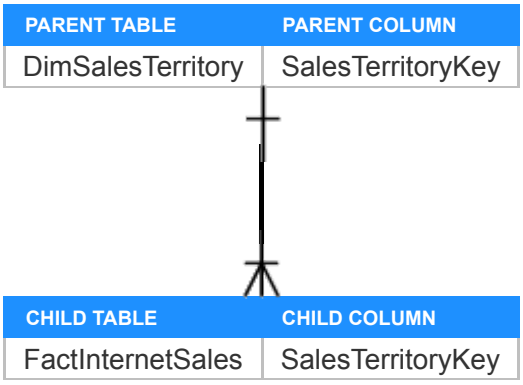


3.25.2 fk FactInternetSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber Properties

PROPERTY	VALUE
Name	fk FactInternetSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber
Description	
Parent Table	FactInternetSalesReason
Parent Column	SalesOrderNumber
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	SalesOrderNumber
Child Cardinality	1..n
Comments	

3.26 Relationship fk FactInternetSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey

3.26.1 fk FactInternetSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Diagram



3.26.2 fk FactInternetSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Description	
Parent Table	DimSalesTerritory
Parent Column	SalesTerritoryKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	SalesTerritoryKey
Child Cardinality	1..n
Comments	

3.27 Relationship fk FactInternetSales.ShipDateKey to DimDate.DateKey

3.27.1 fk FactInternetSales.ShipDateKey to DimDate.DateKey Diagram

PARENT TABLE	PARENT COLUMN
DimDate	DateKey

CHILD TABLE	CHILD COLUMN
FactInternetSales	ShipDateKey

3.27.2 fk FactInternetSales.ShipDateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactInternetSales.ShipDateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactInternetSales
Child Column	ShipDateKey
Child Cardinality	1..n
Comments	

3.28 Relationship fk FactInternetSalesReason.SalesReasonKey to DimSalesReason.SalesReasonKey

3.28.1 fk FactInternetSalesReason.SalesReasonKey to DimSalesReason.SalesReasonKey Diagram

PARENT TABLE	PARENT COLUMN
DimSalesReason	SalesReasonKey

CHILD TABLE	CHILD COLUMN
FactInternetSalesReason	SalesReasonKey

3.28.2 fk FactInternetSalesReason.SalesReasonKey to DimSalesReason.SalesReasonKey Properties

PROPERTY	VALUE
Name	fk FactInternetSalesReason.SalesReasonKey to DimSalesReason.SalesReasonKey
Description	
Parent Table	DimSalesReason
Parent Column	SalesReasonKey
Parent Cardinality	1
Child Table	FactInternetSalesReason
Child Column	SalesReasonKey
Child Cardinality	1..n
Comments	

3.29 Relationship fk FactResellerSales.CurrencyKey to DimCurrency.CurrencyKey

3.29.1 fk FactResellerSales.CurrencyKey to DimCurrency.CurrencyKey Diagram

PARENT TABLE	PARENT COLUMN
DimCurrency	CurrencyKey

CHILD TABLE	CHILD COLUMN
FactResellerSales	CurrencyKey

3.29.2 fk FactResellerSales.CurrencyKey to DimCurrency.CurrencyKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.CurrencyKey to DimCurrency.CurrencyKey
Description	
Parent Table	DimCurrency
Parent Column	CurrencyKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	CurrencyKey
Child Cardinality	1..n
Comments	

3.30 Relationship fk FactResellerSales.DueDateKey to DimDate.DateKey

3.30.1 fk FactResellerSales.DueDateKey to DimDate.DateKey Diagram

PARENT TABLE	PARENT COLUMN
DimDate	DateKey

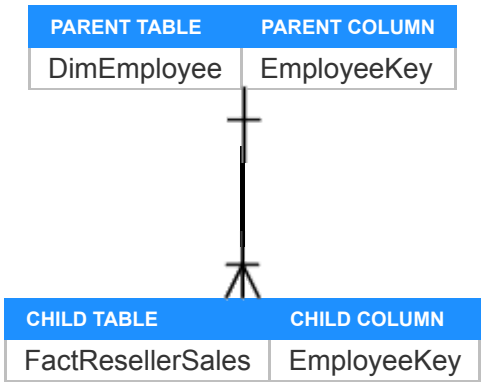
CHILD TABLE	CHILD COLUMN
FactResellerSales	DueDateKey

3.30.2 fk FactResellerSales.DueDateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.DueDateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	DueDateKey
Child Cardinality	1..n
Comments	

3.31 Relationship fk FactResellerSales.EmployeeKey to DimEmployee.EmployeeKey

3.31.1 fk FactResellerSales.EmployeeKey to DimEmployee.EmployeeKey Diagram

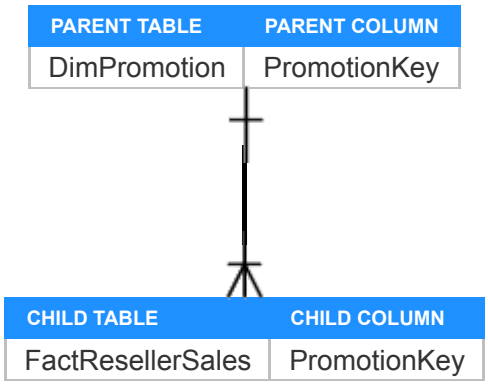


3.31.2 fk FactResellerSales.EmployeeKey to DimEmployee.EmployeeKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.EmployeeKey to DimEmployee.EmployeeKey
Description	
Parent Table	DimEmployee
Parent Column	EmployeeKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	EmployeeKey
Child Cardinality	1..n
Comments	

3.32 Relationship fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey

3.32.1 fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey Diagram

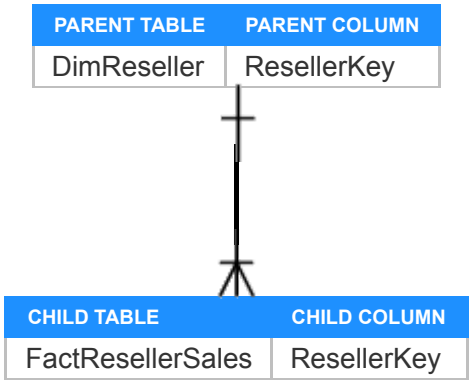


3.32.2 fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.PromotionKey to DimPromotion.PromotionKey
Description	
Parent Table	DimPromotion
Parent Column	PromotionKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	PromotionKey
Child Cardinality	1..n
Comments	

3.33 Relationship fk FactResellerSales.ResellerKey to DimReseller.ResellerKey

3.33.1 fk FactResellerSales.ResellerKey to DimReseller.ResellerKey Diagram

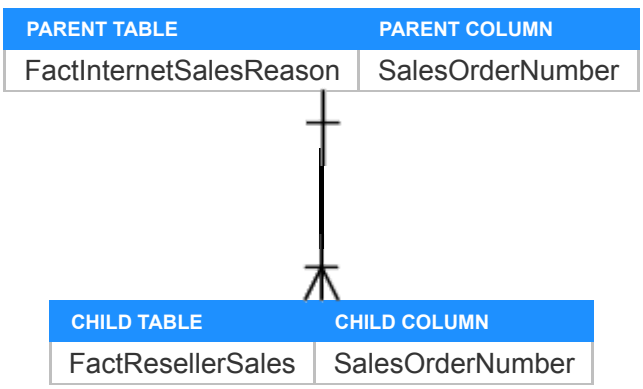


3.33.2 fk FactResellerSales.ResellerKey to DimReseller.ResellerKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.ResellerKey to DimReseller.ResellerKey
Description	
Parent Table	DimReseller
Parent Column	ResellerKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	ResellerKey
Child Cardinality	1..n
Comments	

3.34 Relationship fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber

3.34.1 fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber Diagram

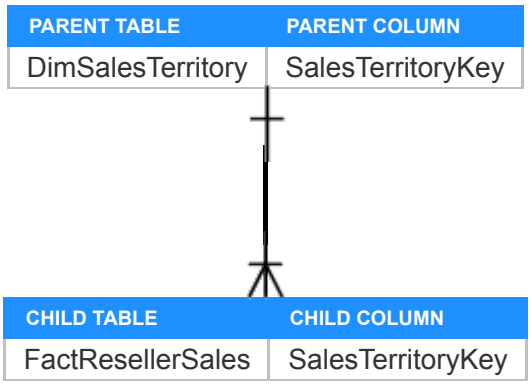


3.34.2 fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber Properties

PROPERTY	VALUE
Name	fk FactResellerSales.SalesOrderNumber to FactInternetSalesReason.SalesOrderNumber
Description	
Parent Table	FactInternetSalesReason
Parent Column	SalesOrderNumber
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	SalesOrderNumber
Child Cardinality	1..n
Comments	

3.35 Relationship fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey

3.35.1 fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Diagram

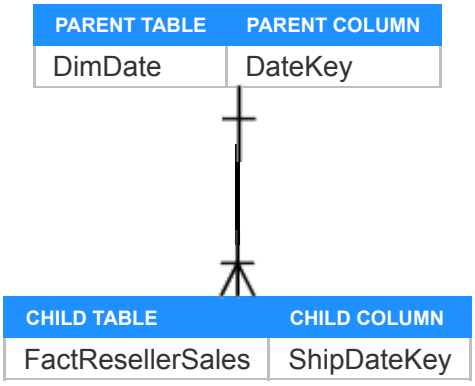


3.35.2 fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.SalesTerritoryKey to DimSalesTerritory.SalesTerritoryKey
Description	
Parent Table	DimSalesTerritory
Parent Column	SalesTerritoryKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	SalesTerritoryKey
Child Cardinality	1..n
Comments	

3.36 Relationship fk FactResellerSales.ShipDateKey to DimDate.DateKey

3.36.1 fk FactResellerSales.ShipDateKey to DimDate.DateKey Diagram



3.36.2 fk FactResellerSales.ShipDateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactResellerSales.ShipDateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactResellerSales
Child Column	ShipDateKey
Child Cardinality	1..n
Comments	

3.37 Relationship fk FactSalesQuota.DateKey to DimDate.DateKey

3.37.1 fk FactSalesQuota.DateKey to DimDate.DateKey Diagram

PARENT TABLE	PARENT COLUMN
DimDate	DateKey

CHILD TABLE	CHILD COLUMN
FactSalesQuota	DateKey

3.37.2 fk FactSalesQuota.DateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactSalesQuota.DateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactSalesQuota
Child Column	DateKey
Child Cardinality	1..n
Comments	

3.38 Relationship fk FactSalesQuota.EmployeeKey to DimEmployee.EmployeeKey

3.38.1 fk FactSalesQuota.EmployeeKey to DimEmployee.EmployeeKey Diagram

PARENT TABLE	PARENT COLUMN
DimEmployee	EmployeeKey

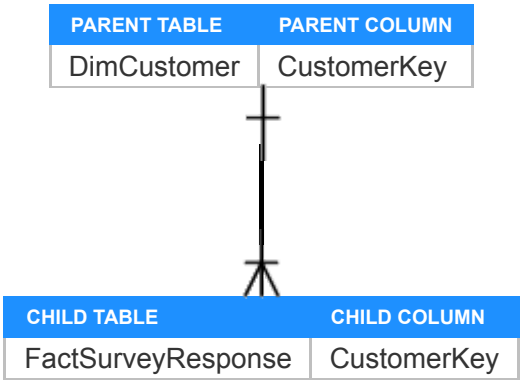
CHILD TABLE	CHILD COLUMN
FactSalesQuota	EmployeeKey

3.38.2 fk FactSalesQuota.EmployeeKey to DimEmployee.EmployeeKey Properties

PROPERTY	VALUE
Name	fk FactSalesQuota.EmployeeKey to DimEmployee.EmployeeKey
Description	
Parent Table	DimEmployee
Parent Column	EmployeeKey
Parent Cardinality	1
Child Table	FactSalesQuota
Child Column	EmployeeKey
Child Cardinality	1..n
Comments	

3.39 Relationship fk FactSurveyResponse.CustomerKey to DimCustomer.CustomerKey

3.39.1 fk FactSurveyResponse.CustomerKey to DimCustomer.CustomerKey Diagram

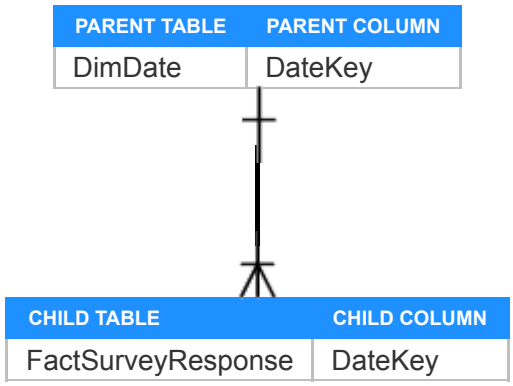


3.39.2 fk FactSurveyResponse.CustomerKey to DimCustomer.CustomerKey Properties

PROPERTY	VALUE
Name	fk FactSurveyResponse.CustomerKey to DimCustomer.CustomerKey
Description	
Parent Table	DimCustomer
Parent Column	CustomerKey
Parent Cardinality	1
Child Table	FactSurveyResponse
Child Column	CustomerKey
Child Cardinality	1..n
Comments	

3.40 Relationship fk FactSurveyResponse.DateKey to DimDate.DateKey

3.40.1 fk FactSurveyResponse.DateKey to DimDate.DateKey Diagram

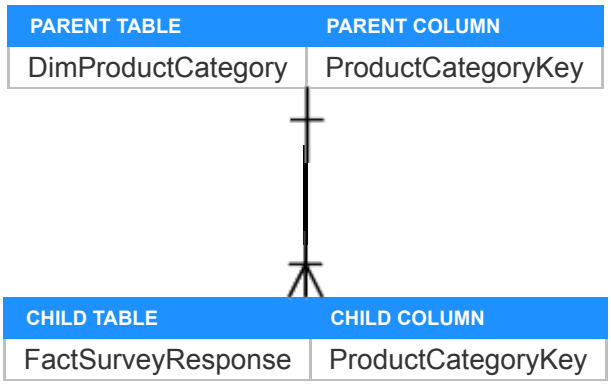


3.40.2 fk FactSurveyResponse.DateKey to DimDate.DateKey Properties

PROPERTY	VALUE
Name	fk FactSurveyResponse.DateKey to DimDate.DateKey
Description	
Parent Table	DimDate
Parent Column	DateKey
Parent Cardinality	1
Child Table	FactSurveyResponse
Child Column	DateKey
Child Cardinality	1..n
Comments	

3.41 Relationship fk FactSurveyResponse.ProductCategoryKey to DimProductCategory.ProductCategoryKey

3.41.1 fk FactSurveyResponse.ProductCategoryKey to DimProductCategory.ProductCategoryKey Diagram

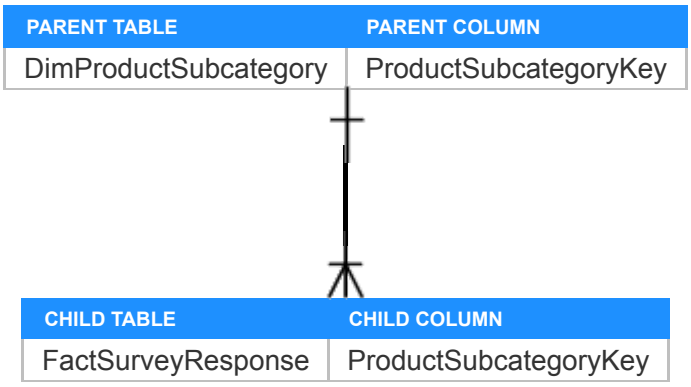


3.41.2 fk FactSurveyResponse.ProductCategoryKey to DimProductCategory.ProductCategoryKey Properties

PROPERTY	VALUE
Name	fk FactSurveyResponse.ProductCategoryKey to DimProductCategory.ProductCategoryKey
Description	
Parent Table	DimProductCategory
Parent Column	ProductCategoryKey
Parent Cardinality	1
Child Table	FactSurveyResponse
Child Column	ProductCategoryKey
Child Cardinality	1..n
Comments	

3.42 Relationship fk FactSurveyResponse.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey

3.42.1 fk FactSurveyResponse.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey Diagram



3.42.2 fk FactSurveyResponse.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey Properties

PROPERTY	VALUE
Name	fk FactSurveyResponse.ProductSubcategoryKey to DimProductSubcategory.ProductSubcategoryKey
Description	
Parent Table	DimProductSubcategory
Parent Column	ProductSubcategoryKey
Parent Cardinality	1
Child Table	FactSurveyResponse
Child Column	ProductSubcategoryKey
Child Cardinality	1..n
Comments	