localhost,13001 Documentation

BIClass

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▤ *localhost,13001*

Databases (1)

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Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4188.2
Language	English
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	8
OS Version	6.2 (9200)
Physical Memory	10079
Is Clustered	False
Root Directory	C:\
Collation	SQL_Latin1_General_CP1_CI_AS

Server Settings

Property	Value
Default data file path	/var/opt/mssql/data/
Default backup file path	/var/opt/mssql/backup/
Default log file path	/var/opt/mssql/log/
Recovery Interval (minutes)	0
Default index fill factor	0
Default backup media retention	0
Compress Backup	False

Advanced Server Settings

Property	Value
Locks	0
Nested triggers enabled	True
Allow triggers to fire others	True
Default language	English

Network packet size	4096
Default fulltext language LCID	1033
Two-digit year cutoff	2049
Remote login timeout	10
Cursor threshold	-1
Max text replication size	65536
Parallelism cost threshold	5
Max degree of parallelism	0
Min server memory	16
Max server memory	2147483647
Scan for startup procs	False
Transform noise words	False
CLR enabled	False
Blocked process threshold	0
Filestream access level	False
Optimize for ad hoc workloads	False
CLR strict security	True

⬚ User databases

Databases (1)

- ⊟ BIClass

⊟ BIClass Database

Database Properties

Property	Value
SQL Server Version	Max
Compatibility Level	SQL Server 2014
Last backup time	04/10/2022
Last log backup time	-
Creation date	Apr 6 2022
Users	7
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	454.44 MB
Unallocated space	38.23 MB

Database Options

Property	Value
Compatibility Level	120
Database collation	SQL_Latin1_General_CP1_CI_AS
Restrict access	MULTI_USER
Is read-only	False
Auto close	False
Auto shrink	False
Database status	ONLINE
In standby	False
Cleanly shutdown	False
Supplemental logging enabled	False
Snapshot isolation state	OFF
Read committed snapshot on	False
Recovery model	FULL
Page verify option	CHECKSUM
Auto create statistics	True
Auto update statistics	True
Auto update statistics asynchronously	False
ANSI NULL default	False
ANSI NULL enabled	False
ANSI padding enabled	False

ANSI warnings enabled	False
Arithmetic abort enabled	False
Concatenating NULL yields NULL	False
Numeric roundabort enabled	False
Quoted Identifier On	False
Recursive triggers enabled	False
Close cursors on commit	False
Local cursors by default	False
Fulltext enabled	True
Trustworthy	False
Database chaining	False
Forced parameterization	False
Master key encrypted by server	False
Published	False
Subscribed	False
Merge published	False
Is distribution database	False
Sync with backup	False
Service broker GUID	7fa48b72-5c75-4b38-aa33-b2acedfd5507
Service broker enabled	False
Log reuse wait	LOG_BACKUP
Date correlation	False
CDC enabled	False
Encrypted	False
Honor broker priority	False
Default language	English
Default fulltext language LCID	1033
Nested triggers enabled	True
Transform noise words	False
Two-digit year cutoff	2049
Containment	NONE
Target recovery time	0
Database owner	sa

Files

Name	Type	Size	Maxsize	Autogrowth	File Name
BIClass	Data	75.00 MB	unlimited	1.00 MB	/var/opt/mssql/data/BIClass.mdf
BIClass_log	Log	379.44 MB	2048.00 GB	10.00 percent	/var/opt/mssql/log/BIClass_log.ldf

📇 *Tables*

Objects

Name
CH01-01-Dimension.DimCustomer
CH01-01-Dimension.DimGender
CH01-01-Dimension.DimMaritalStatus
CH01-01-Dimension.DimOccupation
CH01-01-Dimension.DimOrderDate
CH01-01-Dimension.DimProduct
CH01-01-Dimension.DimProductCategory
CH01-01-Dimension.DimProductSubcategory
CH01-01-Dimension.DimTerritory
CH01-01-Dimension.SalesManagers
CH01-01-Fact.Data
DbSecurity.UserAuthorization
FileUpload.OriginallyLoadedData
FileUpload.ProductCategories
FileUpload.ProductSubcategories
Process.WorkFlowSteps

⊞ [CH01-01-Dimension].[DimCustomer]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	18400
Created	9:47:46 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	CustomerKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[Dim-CustomerSequence-Object])
	CustomerName	varchar(30)	30	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK__DimCusto__95011E6452BCF41C	CustomerKey	True

Foreign Keys

Name	Columns
FK_DimCustomer_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimCustomer]
(
[CustomerKey] [int] NOT NULL CONSTRAINT [DF_DimCustomer_CustomerKey] DEFAULT (NEXT
VALUE FOR [PkSequence].[DimCustomerSequenceObject]),
[CustomerName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimCustomer_DateAdded] DEFAULT
```

```
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimCustomer_DateOfLastUpdate]
DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimCustomer] ADD CONSTRAINT [PK__Dim-
Custo__95011E6452BCF41C] PRIMARY KEY CLUSTERED  ([CustomerKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimCustomer] ADD CONSTRAINT [FK_DimCustomer_UserAuth]
FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimCustomer]
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

▦ [CH01-01-Dimension].[DimGender]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	9:48:03 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	Gender	char(1)	1	NOT NULL	
	GenderDescription	varchar(6)	6	NOT NULL	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimGender	Gender	True

Foreign Keys

Name	Columns
FK_DimGender_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimGender]
(
[Gender] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[GenderDescription] [varchar] (6) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimGender_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimGender_DateOfLastUpdate] DEFAULT
(sysdatetime())
```

```
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimGender] ADD CONSTRAINT [PK_DimGender] PRIMARY KEY
CLUSTERED  ([Gender]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimGender] ADD CONSTRAINT [FK_DimGender_UserAuth]
FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimGender]
[Project2].[Load_DimGender]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

🖻 [CH01-01-Dimension].[DimMaritalStatus]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	9:48:28 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	MaritalStatus	char(1)	1	NOT NULL	
	MaritalStatusDescription	varchar(7)	7	NOT NULL	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimMaritalStatus	MaritalStatus	True

Foreign Keys

Name	Columns
FK_DimMaritalStatus_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimMaritalStatus]
(
[MaritalStatus] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[MaritalStatusDescription] [varchar] (7) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimMaritalStatus_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimMaritalStatus_DateOfLastUpdate]
DEFAULT (sysdatetime())
```

```
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimMaritalStatus] ADD CONSTRAINT [PK_DimMaritalStatus]
PRIMARY KEY CLUSTERED  ([MaritalStatus]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimMaritalStatus] ADD CONSTRAINT [FK_DimMaritalStatus_-
UserAuth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-
Authorization] ([UserAuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimMaritalStatus]
[Project2].[Load_DimMaritalStatus]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

▦ [CH01-01-Dimension].[DimOccupation]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	5
Created	9:48:48 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	OccupationKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[Dim-OccupationSequence-Object])
	Occupation	varchar(20)	20	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimOccupation	OccupationKey	True

Foreign Keys

Name	Columns
FK_DimOccupation_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimOccupation]
(
[OccupationKey] [int] NOT NULL CONSTRAINT [DF_DimOccupation_OccupationKey] DEFAULT
(NEXT VALUE FOR [PkSequence].[DimOccupationSequenceObject]),
[Occupation] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimOccupation_DateAdded] DEFAULT
```

```
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimOccupation_DateOfLastUpdate]
DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimOccupation] ADD CONSTRAINT [PK_DimOccupation]
PRIMARY KEY CLUSTERED  ([OccupationKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimOccupation] ADD CONSTRAINT [FK_DimOccupation_User-
Auth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization]
([UserAuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimOccupation]
[Project2].[Load_Data]
[Project2].[Load_DimOccupation]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

▦ [CH01-01-Dimension].[DimOrderDate]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1124
Created	9:49:08 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	OrderDate	date	3	NOT NULL	
	MonthName	varchar(10)	10	NULL allowed	
	MonthNumber	int	4	NULL allowed	
	Year	int	4	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimOrderDate_1	OrderDate	True

Foreign Keys

Name	Columns
FK_DimOrderDate_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimOrderDate]
(
[OrderDate] [date] NOT NULL,
[MonthName] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[MonthNumber] [int] NULL,
[Year] [int] NULL,
```

```
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimOrderDate_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimOrderDate_DateOfLastUpdate]
DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimOrderDate] ADD CONSTRAINT [PK_DimOrderDate_1]
PRIMARY KEY CLUSTERED  ([OrderDate]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimOrderDate] ADD CONSTRAINT [FK_DimOrderDate_User-
Auth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization]
([UserAuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimOrderDate]
[Project2].[Load_DimOrderDate]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

🖾 [CH01-01-Dimension].[DimProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	130
Created	9:49:25 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	ProductKey	int	4	NOT NULL	(NEXT VALUE FOR [PkSequence].[Dim-ProductSequence-Object])
FK	ProductSubcategoryKey	int	4	NULL allowed	
	ProductCategory	varchar(20)	20	NULL allowed	
	ProductSubcategory	varchar(20)	20	NULL allowed	
	ProductCode	varchar(10)	10	NULL allowed	
	ProductName	varchar(40)	40	NULL allowed	
	Color	varchar(10)	10	NULL allowed	
	ModelName	varchar(30)	30	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK__DimProdu__A15E99B3E27177EF	ProductKey	True

Foreign Keys

Name	Columns
FK_DimProduct_DimProductSubcategory	ProductSubcategoryKey->[CH01-01-Dimension].[DimProduct-Subcategory].[ProductSubcategoryKey]
FK_DimProduct_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimProduct]
(
[ProductKey] [int] NOT NULL CONSTRAINT [DF_DimProduct_ProductKey] DEFAULT (NEXT VALUE
FOR [PkSequence].[DimProductSequenceObject]),
[ProductSubcategoryKey] [int] NULL,
[ProductCategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductCode] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductName] [varchar] (40) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Color] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ModelName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimProduct_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimProduct_DateOfLastUpdate] DEFAULT
(sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [PK__DimProdu__-
A15E99B3E27177EF] PRIMARY KEY CLUSTERED ([ProductKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [FK_DimProduct_DimProduct-
Subcategory] FOREIGN KEY ([ProductSubcategoryKey]) REFERENCES [CH01-01-Dimension].[Dim-
ProductSubcategory] ([ProductSubcategoryKey])
GO
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [FK_DimProduct_UserAuth]
FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey])
GO
```

Uses

[CH01-01-Dimension].[DimProductSubcategory]
[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimProduct]
[Project2].[Load_Data]
[Project2].[Load_DimProduct]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

🖼 [CH01-01-Dimension].[DimProductCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	3
Created	9:19:42 AM Saturday, April 2, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	ProductCategoryKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[DimProduct-CategorySequence-Object])
	ProductCategory	varchar(20)	20	NOT NULL	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimProductCategory	ProductCategoryKey	True

Foreign Keys

Name	Columns
FK_DimProductCategory_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorization-Key]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimProductCategory]
(
[ProductCategoryKey] [int] NOT NULL CONSTRAINT [DF_DimProductCategory_ProductCategory-Key] DEFAULT (NEXT VALUE FOR [PkSequence].[DimProductCategorySequenceObject]),
[ProductCategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
```

```
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimProductCategory_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimProductCategory_DateOfLastUpdate]
DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProductCategory] ADD CONSTRAINT [PK_DimProduct-
Category] PRIMARY KEY CLUSTERED  ([ProductCategoryKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProductCategory] ADD CONSTRAINT [FK_DimProduct-
Category_UserAuth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-
Authorization] ([UserAuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Dimension].[DimProductSubcategory]
[G9_5].[uvw_DimProductCategory]
[Project2].[Load_DimProductCategory]
[Project2].[Load_DimProductSubcategory]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

⊞ [CH01-01-Dimension].[DimProductSubcategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	17
Created	9:20:38 AM Saturday, April 2, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	ProductSubcategoryKey	int	4	NOT NULL	(NEXT VALUE FOR [PkSequence].[Dim-ProductSubcategory-SequenceObject])
FK	ProductCategoryKey	int	4	NOT NULL	
	ProductSubcategory	varchar(20)	20	NOT NULL	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimProductSubcategory	ProductSubcategoryKey	True

Foreign Keys

Name	Columns
FK_DimProductSubcategory_DimProductCategory	ProductCategoryKey->[CH01-01-Dimension].[DimProduct-Category].[ProductCategoryKey]
FK_DimProductSubcategory_UserAuth	UserAuthorizationKey->[DbSecurity].[User-Authorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimProductSubcategory]
(
```

```
[ProductSubcategoryKey] [int] NOT NULL CONSTRAINT [DF_DimProductSubcategory_Product-
SubcategoryKey] DEFAULT (NEXT VALUE FOR [PkSequence].[DimProductSubcategorySequence-
Object]),
[ProductCategoryKey] [int] NOT NULL,
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimProductSubcategory_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimProductSubcategory_DateOfLast-
Update] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProductSubcategory] ADD CONSTRAINT [PK_DimProduct-
Subcategory] PRIMARY KEY CLUSTERED  ([ProductSubcategoryKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[DimProductSubcategory] ADD CONSTRAINT [FK_DimProduct-
Subcategory_DimProductCategory] FOREIGN KEY ([ProductCategoryKey]) REFERENCES [CH01-01-
Dimension].[DimProductCategory] ([ProductCategoryKey])
GO
ALTER TABLE [CH01-01-Dimension].[DimProductSubcategory] ADD CONSTRAINT [FK_DimProduct-
Subcategory_UserAuth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [Db-
Security].[UserAuthorization] ([UserAuthorizationKey])
GO
```

Uses

[CH01-01-Dimension].[DimProductCategory]
[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Dimension].[DimProduct]
[G9_5].[uvw_DimProductSubcategory]
[Project2].[Load_DimProduct]
[Project2].[Load_DimProductSubcategory]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

🗐 [CH01-01-Dimension].[DimTerritory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	10
Created	9:50:29 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	TerritoryKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[DimTerritory-SequenceObject])
	TerritoryGroup	varchar(20)	20	NULL allowed	
	TerritoryCountry	varchar(20)	20	NULL allowed	
	TerritoryRegion	varchar(20)	20	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK__DimTerri__C54B735D813BBCA6	TerritoryKey	True

Foreign Keys

Name	Columns
FK_DimTerritory_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimTerritory]
(
[TerritoryKey] [int] NOT NULL CONSTRAINT [DF_DimTerritory_TerritoryKey] DEFAULT (NEXT
VALUE FOR [PkSequence].[DimTerritorySequenceObject]),
[TerritoryGroup] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
```

```
[TerritoryCountry] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[TerritoryRegion] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[UserAuthorizationKey] [int] NOT NULL,

[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimTerritory_DateAdded] DEFAULT
(sysdatetime()),

[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimTerritory_DateOfLastUpdate]
DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimTerritory] ADD CONSTRAINT [PK__DimTerri__-
C54B735D813BBCA6] PRIMARY KEY CLUSTERED  ([TerritoryKey]) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimTerritory] ADD CONSTRAINT [FK_DimTerritory_User-
Auth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization]
([UserAuthorizationKey])

GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_DimTerritory]
[Project2].[Load_Data]
[Project2].[Load_DimTerritory]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

⊞ [CH01-01-Dimension].[SalesManagers]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	17
Created	9:50:47 AM Sunday, April 3, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	SalesManagerKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[Sales-ManagerSequence-Object])
	Category	varchar(20)	20	NULL allowed	
	SalesManager	varchar(50)	50	NULL allowed	
	Office	varchar(50)	50	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_SalesManagers	SalesManagerKey	True

Foreign Keys

Name	Columns
FK_SalesManager_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[SalesManagers]
(
[SalesManagerKey] [int] NOT NULL CONSTRAINT [DF_SalesManagers_SalesManagerKey] DEFAULT
(NEXT VALUE FOR [PkSequence].[SalesManagerSequenceObject]),
```

```
[Category] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[SalesManager] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Office] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_SalesManagers_DateAdded] DEFAULT
(sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_SalesManagers_DateOfLastUpdate]
DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[SalesManagers] ADD CONSTRAINT [PK_SalesManagers]
PRIMARY KEY CLUSTERED  ([SalesManagerKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[SalesManagers] ADD CONSTRAINT [FK_SalesManager_User-
Auth] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization]
([UserAuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G9_5].[uvw_SalesManagers]
[Project2].[Load_Data]
[Project2].[Load_SalesManagers]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

🖾 [CH01-01-Fact].[Data]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	60398
Created	9:51:17 AM Sunday, April 3, 2022
Last Modified	6:04:54 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	SalesKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk-Sequence].[Data-SequenceObject])
FK	SalesManagerKey	int	4	NULL allowed	
FK	OccupationKey	int	4	NULL allowed	
FK	TerritoryKey	int	4	NULL allowed	
FK	ProductKey	int	4	NULL allowed	
FK	CustomerKey	int	4	NULL allowed	
	ProductCategory	varchar(20)	20	NULL allowed	
	SalesManager	varchar(20)	20	NULL allowed	
	ProductSubcategory	varchar(20)	20	NULL allowed	
	ProductCode	varchar(10)	10	NULL allowed	
	ProductName	varchar(40)	40	NULL allowed	
	Color	varchar(10)	10	NULL allowed	
	ModelName	varchar(30)	30	NULL allowed	
	OrderQuantity	int	4	NULL allowed	
	UnitPrice	money	8	NULL allowed	
	ProductStandardCost	money	8	NULL allowed	
	SalesAmount	money	8	NULL allowed	
FK	OrderDate	date	3	NULL allowed	
	MonthName	varchar(10)	10	NULL allowed	
	MonthNumber	int	4	NULL allowed	
	Year	int	4	NULL allowed	
	CustomerName	varchar(30)	30	NULL allowed	
FK	MaritalStatus	char(1)	1	NULL allowed	

FK	Gender	char(1)	1	NULL allowed	
	Education	varchar(20)	20	NULL allowed	
	Occupation	varchar(20)	20	NULL allowed	
	TerritoryRegion	varchar(20)	20	NULL allowed	
	TerritoryCountry	varchar(20)	20	NULL allowed	
	TerritoryGroup	varchar(20)	20	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK/C	PK_Data	SalesKey	True

Foreign Keys

Name	Columns
FK_Data_DimCustomer	CustomerKey->[CH01-01-Dimension].[DimCustomer].[CustomerKey]
FK_Data_DimGender	Gender->[CH01-01-Dimension].[DimGender].[Gender]
FK_Data_DimMaritalStatus	MaritalStatus->[CH01-01-Dimension].[DimMaritalStatus].[MaritalStatus]
FK_Data_DimOccupation	OccupationKey->[CH01-01-Dimension].[DimOccupation].[OccupationKey]
FK_Data_DimOrderDate	OrderDate->[CH01-01-Dimension].[DimOrderDate].[OrderDate]
FK_Data_DimProduct	ProductKey->[CH01-01-Dimension].[DimProduct].[ProductKey]
FK_Data_DimTerritory	TerritoryKey->[CH01-01-Dimension].[DimTerritory].[TerritoryKey]
FK_Data_SalesManagers	SalesManagerKey->[CH01-01-Dimension].[SalesManagers].[SalesManagerKey]
FK_Data_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [CH01-01-Fact].[Data]
(
[SalesKey] [int] NOT NULL CONSTRAINT [DF_Data_SalesKey] DEFAULT (NEXT VALUE FOR [Pk-
Sequence].[DataSequenceObject]),
[SalesManagerKey] [int] NULL,
[OccupationKey] [int] NULL,
[TerritoryKey] [int] NULL,
[ProductKey] [int] NULL,
[CustomerKey] [int] NULL,
[ProductCategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[SalesManager] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductCode] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
```

```sql
[ProductName] [varchar] (40) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Color] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ModelName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[OrderQuantity] [int] NULL,
[UnitPrice] [money] NULL,
[ProductStandardCost] [money] NULL,
[SalesAmount] [money] NULL,
[OrderDate] [date] NULL,
[MonthName] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[MonthNumber] [int] NULL,
[Year] [int] NULL,
[CustomerName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[MaritalStatus] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Gender] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Education] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Occupation] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryRegion] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryCountry] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryGroup] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_Data_DateAdded] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_Data_DateOfLastUpdate] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [PK_Data] PRIMARY KEY CLUSTERED
([SalesKey]) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimCustomer] FOREIGN KEY
([CustomerKey]) REFERENCES [CH01-01-Dimension].[DimCustomer] ([CustomerKey])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimGender] FOREIGN KEY
([Gender]) REFERENCES [CH01-01-Dimension].[DimGender] ([Gender])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimMaritalStatus] FOREIGN KEY
([MaritalStatus]) REFERENCES [CH01-01-Dimension].[DimMaritalStatus] ([MaritalStatus])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimOccupation] FOREIGN KEY
([OccupationKey]) REFERENCES [CH01-01-Dimension].[DimOccupation] ([OccupationKey])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimOrderDate] FOREIGN KEY
([OrderDate]) REFERENCES [CH01-01-Dimension].[DimOrderDate] ([OrderDate])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimProduct] FOREIGN KEY
([ProductKey]) REFERENCES [CH01-01-Dimension].[DimProduct] ([ProductKey])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_DimTerritory] FOREIGN KEY
([TerritoryKey]) REFERENCES [CH01-01-Dimension].[DimTerritory] ([TerritoryKey])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_SalesManagers] FOREIGN KEY
([SalesManagerKey]) REFERENCES [CH01-01-Dimension].[SalesManagers] ([SalesManagerKey])
GO
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK_Data_UserAuth] FOREIGN KEY ([User-
AuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([UserAuthorizationKey])
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]
[CH01-01-Dimension].[DimGender]
[CH01-01-Dimension].[DimMaritalStatus]
[CH01-01-Dimension].[DimOccupation]
[CH01-01-Dimension].[DimOrderDate]
[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimTerritory]
[CH01-01-Dimension].[SalesManagers]
[DbSecurity].[UserAuthorization]
CH01-01-Fact

Used By

[G9_5].[uvw_Data]
[Project2].[Load_Data]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

▦ [DbSecurity].[UserAuthorization]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	5
Created	9:14:46 AM Friday, April 1, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity	Default
PK C	UserAuthorizationKey	int	4	NOT NULL	1 - 1	
	ClassTime	nvarchar(5)	10	NULL allowed		(N'9:15')
	IndividualProject	nvarchar(60)	120	NULL allowed		(N'PROJECT 2 RECREATE THE BICLASS DATABASE STAR SCHEMA')
	GroupMemberLastName	nvarchar(35)	70	NOT NULL		
	GroupMemberFirstName	nvarchar(25)	50	NOT NULL		
	DateAdded	datetime2	8	NULL allowed		(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_User	UserAuthorizationKey	True

SQL Script

```
CREATE TABLE [DbSecurity].[UserAuthorization]
(
[UserAuthorizationKey] [int] NOT NULL IDENTITY(1, 1),
[ClassTime] [nvarchar] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DFT_-
ClassTime] DEFAULT (N'9:15'),
[IndividualProject] [nvarchar] (60) COLLATE SQL_Latin1_General_CP1_CI_AS NULL
CONSTRAINT [DFT_Project] DEFAULT (N'PROJECT 2 RECREATE THE BICLASS DATABASE STAR
SCHEMA'),
[GroupMemberLastName] [nvarchar] (35) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[GroupMemberFirstName] [nvarchar] (25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
```

```
[DateAdded] [datetime2] NULL CONSTRAINT [DFT_Date] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK_User] PRIMARY KEY
CLUSTERED  ([UserAuthorizationKey]) ON [PRIMARY]
GO
```

Uses

DbSecurity

Used By

[CH01-01-Dimension].[DimCustomer]
[CH01-01-Dimension].[DimGender]
[CH01-01-Dimension].[DimMaritalStatus]
[CH01-01-Dimension].[DimOccupation]
[CH01-01-Dimension].[DimOrderDate]
[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimProductCategory]
[CH01-01-Dimension].[DimProductSubcategory]
[CH01-01-Dimension].[DimTerritory]
[CH01-01-Dimension].[SalesManagers]
[CH01-01-Fact].[Data]
[Process].[WorkFlowSteps]

▦ [FileUpload].[OriginallyLoadedData]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Heap	True
Row Count (~)	60398
Created	6:28:07 AM Thursday, October 29, 2020
Last Modified	6:28:08 AM Thursday, October 29, 2020

Columns

Name	Data Type	Max Length (Bytes)	Nullability
SalesKey	int	4	NOT NULL
ProductCategory	varchar(20)	20	NULL allowed
ProductSubcategory	varchar(20)	20	NULL allowed
SalesManager	varchar(20)	20	NULL allowed
ProductCode	varchar(10)	10	NULL allowed
ProductName	varchar(40)	40	NULL allowed
Color	varchar(10)	10	NULL allowed
ModelName	varchar(30)	30	NULL allowed
OrderQuantity	int	4	NULL allowed
UnitPrice	money	8	NULL allowed
ProductStandardCost	money	8	NULL allowed
SalesAmount	money	8	NULL allowed
OrderDate	date	3	NULL allowed
MonthName	varchar(10)	10	NULL allowed
MonthNumber	int	4	NULL allowed
Year	int	4	NULL allowed
CustomerName	varchar(30)	30	NULL allowed
MaritalStatus	char(1)	1	NULL allowed
Gender	char(1)	1	NULL allowed
Education	varchar(20)	20	NULL allowed
Occupation	varchar(20)	20	NULL allowed
TerritoryRegion	varchar(20)	20	NULL allowed
TerritoryCountry	varchar(20)	20	NULL allowed
TerritoryGroup	varchar(20)	20	NULL allowed

SQL Script

```sql
CREATE TABLE [FileUpload].[OriginallyLoadedData]
(
[SalesKey] [int] NOT NULL,
[ProductCategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[SalesManager] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductCode] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductName] [varchar] (40) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Color] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ModelName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[OrderQuantity] [int] NULL,
[UnitPrice] [money] NULL,
[ProductStandardCost] [money] NULL,
[SalesAmount] [money] NULL,
[OrderDate] [date] NULL,
[MonthName] [varchar] (10) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[MonthNumber] [int] NULL,
[Year] [int] NULL,
[CustomerName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[MaritalStatus] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Gender] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Education] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[Occupation] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryRegion] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryCountry] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[TerritoryGroup] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL
) ON [PRIMARY]
GO
```

Uses

FileUpload

Used By

[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
[Project2].[Load_DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load_DimProduct]
[Project2].[Load_DimProductCategory]
[Project2].[Load_DimProductSubcategory]
[Project2].[Load_DimTerritory]
[Project2].[Load_SalesManagers]

▦ [FileUpload].[ProductCategories]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Heap	True
Row Count (~)	3
Created	6:24:19 AM Thursday, October 29, 2020
Last Modified	6:24:19 AM Thursday, October 29, 2020

Columns

Name	Data Type	Max Length (Bytes)	Nullability
ProductCategory	varchar(20)	20	NOT NULL

SQL Script

```
CREATE TABLE [FileUpload].[ProductCategories]
(
[ProductCategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
) ON [PRIMARY]
GO
```

Uses

FileUpload

🖽 [FileUpload].[ProductSubcategories]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Heap	True
Row Count (~)	17
Created	6:24:19 AM Thursday, October 29, 2020
Last Modified	6:24:19 AM Thursday, October 29, 2020

Columns

Name	Data Type	Max Length (Bytes)	Nullability
ProductSubcategory	varchar(20)	20	NOT NULL

SQL Script

```
CREATE TABLE [FileUpload].[ProductSubcategories]
(
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL
) ON [PRIMARY]
GO
```

Uses

FileUpload

🗔 [Process].[WorkFlowSteps]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	17
Created	9:14:46 AM Friday, April 1, 2022
Last Modified	6:04:55 PM Saturday, April 9, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity	Default
PK C	WorkFlowStepKey	int	4	NOT NULL	1 - 1	
	WorkFlowStepDescription	nvarchar(100)	200	NOT NULL		
	WorkFlowStepTableRowCount	int	4	NULL allowed		((0))
	StartingDateTime	datetime2	8	NULL allowed		(sysdatetime()))
	EndingDateTime	datetime2	8	NULL allowed		(sysdatetime()))
	ClassTime	nvarchar(5)	10	NULL allowed		(N'9:15')
FK	UserAuthorizationKey	int	4	NOT NULL		

Indexes

Key	Name	Key Columns	Unique
PK C	PK_FlowStepKey	WorkFlowStepKey	True

Foreign Keys

Name	Columns
FK_WorkFlowSteps_UserAuth	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

SQL Script

```
CREATE TABLE [Process].[WorkFlowSteps]
(
```

```
[WorkFlowStepKey] [int] NOT NULL IDENTITY(1, 1),
[WorkFlowStepDescription] [nvarchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NOT
NULL,
[WorkFlowStepTableRowCount] [int] NULL CONSTRAINT [DFT_RowCount] DEFAULT ((0)),
[StartingDateTime] [datetime2] NULL CONSTRAINT [DFT_StartDate] DEFAULT (sysdatetime()),
[EndingDateTime] [datetime2] NULL CONSTRAINT [DFT_EndDate] DEFAULT (sysdatetime()),
[ClassTime] [nvarchar] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DFT_-
ClassTime] DEFAULT (N'9:15'),
[UserAuthorizationKey] [int] NOT NULL
) ON [PRIMARY]
GO
ALTER TABLE [Process].[WorkFlowSteps] ADD CONSTRAINT [PK_FlowStepKey] PRIMARY KEY
CLUSTERED ([WorkFlowStepKey]) ON [PRIMARY]
GO
ALTER TABLE [Process].[WorkFlowSteps] ADD CONSTRAINT [FK_WorkFlowSteps_UserAuth]
FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey])
GO
```

Uses

[DbSecurity].[UserAuthorization]
Process

Used By

[Process].[usp_ShowWorkflowSteps]
[Process].[usp_TrackWorkFlows]

⊞ *Views*

Objects

Name
G9_5.uvw_Data
G9_5.uvw_DimCustomer
G9_5.uvw_DimGender
G9_5.uvw_DimMaritalStatus
G9_5.uvw_DimOccupation
G9_5.uvw_DimOrderDate
G9_5.uvw_DimProduct
G9_5.uvw_DimProductCategory
G9_5.uvw_DimProductSubcategory
G9_5.uvw_DimTerritory
G9_5.uvw_SalesManagers
Utils.ShowServerUserNameAndCurrentDatabase
Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint
Utils.uvw_FindTablesStorageBytes

▦ [G9_5].[uvw_Data]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:54 PM Saturday, April 9, 2022
Last Modified	6:04:54 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
SalesKey	int	4
SalesManagerKey	int	4
OccupationKey	int	4
TerritoryKey	int	4
ProductKey	int	4
CustomerKey	int	4
ProductCategory	varchar(20)	20
SalesManager	varchar(20)	20
ProductSubcategory	varchar(20)	20
ProductCode	varchar(10)	10
ProductName	varchar(40)	40
Color	varchar(10)	10
ModelName	varchar(30)	30
OrderQuantity	int	4
UnitPrice	money	8
ProductStandardCost	money	8
SalesAmount	money	8
OrderDate	date	3
MonthName	varchar(10)	10
MonthNumber	int	4
Year	int	4
CustomerName	varchar(30)	30
MaritalStatus	char(1)	1
Gender	char(1)	1
Education	varchar(20)	20

Occupation	varchar(20)	20
TerritoryRegion	varchar(20)	20
TerritoryCountry	varchar(20)	20
TerritoryGroup	varchar(20)	20
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_Data] AS
        SELECT D.SalesKey,
                D.SalesManagerKey,
                D.OccupationKey,
                D.TerritoryKey,
                D.ProductKey,
                D.CustomerKey,
                D.ProductCategory,
                D.SalesManager,
                D.ProductSubcategory,
                D.ProductCode,
                D.ProductName,
                D.Color,
                D.ModelName,
                D.OrderQuantity,
                D.UnitPrice,
                D.ProductStandardCost,
                D.SalesAmount,
                D.OrderDate,
                D.[MonthName],
                D.MonthNumber,
                D.[Year],
                D.CustomerName,
                D.MaritalStatus,
                D.Gender,
                D.Education,
                D.Occupation,
                D.TerritoryRegion,
                D.TerritoryCountry,
                D.TerritoryGroup,
                D.UserAuthorizationKey,
                D.DateAdded,
                D.DateOfLastUpdate FROM [CH01-01-Fact].[Data] AS D
GO
```

Uses

[CH01-01-Fact].[Data]

G9_5

[G9_5].[uvw_DimCustomer]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:50 PM Saturday, April 9, 2022
Last Modified	6:04:50 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
CustomerKey	int	4
CustomerName	varchar(30)	30
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimCustomer] AS
    SELECT DC.CustomerKey,
           DC.CustomerName,
           DC.UserAuthorizationKey,
           DC.DateAdded,
           DC.DateOfLastUpdate FROM [CH01-01-Dimension].DimCustomer AS DC
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]
G9_5

⊞ [G9_5].[uvw_DimGender]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
Gender	char(1)	1
GenderDescription	varchar(6)	6
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimGender] AS
    SELECT DG.Gender,
        DG.GenderDescription,
        DG.UserAuthorizationKey,
        DG.DateAdded,
        DG.DateOfLastUpdate FROM [CH01-01-Dimension].DimGender AS DG
GO
```

Uses

[CH01-01-Dimension].[DimGender]
G9_5

📇 [G9_5].[uvw_DimMaritalStatus]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
MaritalStatus	char(1)	1
MaritalStatusDescription	varchar(7)	7
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimMaritalStatus] AS
    SELECT DMS.MaritalStatus,
           DMS.MaritalStatusDescription,
           DMS.UserAuthorizationKey,
           DMS.DateAdded,
           DMS.DateOfLastUpdate FROM [CH01-01-Dimension].DimMaritalStatus AS DMS
GO
```

Uses

[CH01-01-Dimension].[DimMaritalStatus]
G9_5

▦ [G9_5].[uvw_DimOccupation]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
OccupationKey	int	4
Occupation	varchar(20)	20
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimOccupation] AS
    SELECT DO.OccupationKey,
           DO.Occupation,
           DO.UserAuthorizationKey,
           DO.DateAdded,
           DO.DateOfLastUpdate FROM [CH01-01-Dimension].DimOccupation AS DO
GO
```

Uses

[CH01-01-Dimension].[DimOccupation]
G9_5

▦ [G9_5].[uvw_DimOrderDate]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
OrderDate	date	3
MonthName	varchar(10)	10
MonthNumber	int	4
Year	int	4
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimOrderDate] AS
    SELECT DOD.OrderDate,
           DOD.[MonthName],
           DOD.MonthNumber,
           DOD.[Year],
           DOD.UserAuthorizationKey,
           DOD.DateAdded,
           DOD.DateOfLastUpdate FROM [CH01-01-Dimension].DimOrderDate AS DOD
GO
```

Uses

[CH01-01-Dimension].[DimOrderDate]
G9_5

▦ [G9_5].[uvw_DimProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
ProductKey	int	4
ProductSubcategoryKey	int	4
ProductCategory	varchar(20)	20
ProductSubcategory	varchar(20)	20
ProductCode	varchar(10)	10
ProductName	varchar(40)	40
Color	varchar(10)	10
ModelName	varchar(30)	30
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimProduct] AS
    SELECT DP.ProductKey,
        DP.ProductSubcategoryKey,
        DP.ProductCategory,
        DP.ProductSubcategory,
        DP.ProductCode,
        DP.ProductName,
        DP.Color,
        DP.ModelName,
        DP.UserAuthorizationKey,
        DP.DateAdded,
        DP.DateOfLastUpdate FROM [CH01-01-Dimension].DimProduct AS DP
GO
```

Uses

[CH01-01-Dimension].[DimProduct]
G9_5

🖼 [G9_5].[uvw_DimProductCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
ProductCategoryKey	int	4
ProductCategory	varchar(20)	20
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimProductCategory] AS
        SELECT ProductCategoryKey,
            ProductCategory,
            UserAuthorizationKey,
            DateAdded,
            DateOfLastUpdate FROM [CH01-01-Dimension].DimProductCategory
GO
```

Uses

[CH01-01-Dimension].[DimProductCategory]
G9_5

▦ [G9_5].[uvw_DimProductSubcategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
ProductSubcategoryKey	int	4
ProductCategoryKey	int	4
ProductSubcategory	varchar(20)	20
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```sql
CREATE VIEW [G9_5].[uvw_DimProductSubcategory] AS
    SELECT ProductSubcategoryKey,
           ProductCategoryKey,
           ProductSubcategory,
           UserAuthorizationKey,
           DateAdded,
           DateOfLastUpdate
    FROM [CH01-01-Dimension].DimProductSubcategory;
GO
```

Uses

[CH01-01-Dimension].[DimProductSubcategory]
G9_5

▦ [G9_5].[uvw_DimTerritory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
TerritoryKey	int	4
TerritoryGroup	varchar(20)	20
TerritoryCountry	varchar(20)	20
TerritoryRegion	varchar(20)	20
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_DimTerritory] AS
    SELECT DT.TerritoryKey,
           DT.TerritoryGroup,
           DT.TerritoryCountry,
           DT.TerritoryRegion,
           DT.UserAuthorizationKey,
           DT.DateAdded,
           DT.DateOfLastUpdate FROM [CH01-01-Dimension].DimTerritory AS DT
GO
```

Uses

[CH01-01-Dimension].[DimTerritory]
G9_5

🖽 [G9_5].[uvw_SalesManagers]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	6:04:49 PM Saturday, April 9, 2022
Last Modified	6:04:49 PM Saturday, April 9, 2022

Columns

Name	Data Type	Max Length (Bytes)
SalesManagerKey	int	4
Category	varchar(20)	20
SalesManager	varchar(50)	50
Office	varchar(50)	50
UserAuthorizationKey	int	4
DateAdded	datetime2	8
DateOfLastUpdate	datetime2	8

SQL Script

```
CREATE VIEW [G9_5].[uvw_SalesManagers] AS
    SELECT SM.SalesManagerKey,
           SM.Category,
           SM.SalesManager,
           SM.Office,
           SM.UserAuthorizationKey,
           SM.DateAdded,
           SM.DateOfLastUpdate FROM [CH01-01-Dimension].SalesManagers AS SM

GO
```

Uses

[CH01-01-Dimension].[SalesManagers]
G9_5

▣ [Utils].[ShowServerUserNameAndCurrentDatabase]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	7:54:27 AM Tuesday, January 10, 2017
Last Modified	7:54:27 AM Tuesday, January 10, 2017

Columns

Name	Data Type	Max Length (Bytes)
ServerName	nvarchar(128)	256
YourUserName	nvarchar(128)	256
CurrentDatabase	nvarchar(128)	256

SQL Script

```
create view [Utils].[ShowServerUserNameAndCurrentDatabase]
as
      select   ServerName= @@SERVERNAME
      ,         YourUserName =  system_user
      ,         CurrentDatabase =  db_name();

GO
```

Uses

Utils

⊞ [Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	4:38:20 PM Wednesday, December 2, 2015
Last Modified	4:39:32 PM Wednesday, December 2, 2015

Columns

Name	Data Type	Max Length (Bytes)
FullyQualifiedTableName	nvarchar(257)	514
SchemaName	[sys].[sysname]	256
TableName	[sys].[sysname]	256
ColumnName	[sys].[sysname]	256
OrdinalPosition	int	4
FullyQualifiedDomainName	nvarchar(257)	514
DomainName	[sys].[sysname]	256
DataType	nvarchar(128)	256
IsNullable	varchar(3)	3
DefaultName	[sys].[sysname]	256
DefaultNameDefinition	nvarchar(4000)	8000
CheckConstraintRuleName	[sys].[sysname]	256
CheckConstraintRuleNameDefinition	nvarchar(4000)	8000

SQL Script

```sql
--create schema Utils;

CREATE VIEW [Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint] AS
SELECT  CONCAT(tbl.TABLE_SCHEMA, '.', tbl.TABLE_NAME) AS FullyQualifiedTableName ,
        tbl.TABLE_SCHEMA AS SchemaName ,
        tbl.TABLE_NAME AS TableName ,
        col.COLUMN_NAME AS ColumnName ,
        col.ORDINAL_POSITION AS OrdinalPosition,
        CONCAT(col.DOMAIN_SCHEMA, '.', col.DOMAIN_NAME) AS FullyQualifiedDomainName ,
        col.DOMAIN_NAME AS DomainName ,
        CASE
```

```sql
                    WHEN col.DATA_TYPE = 'char'
            THEN CONCAT('char(', CHARACTER_MAXIMUM_LENGTH, ')')
                    WHEN col.DATA_TYPE = 'nchar'
            THEN CONCAT('nchar(', CHARACTER_MAXIMUM_LENGTH, ')')
                    WHEN col.DATA_TYPE = 'Nvarchar'
            THEN CONCAT('nvarchar(', CHARACTER_MAXIMUM_LENGTH, ')')
                    WHEN col.DATA_TYPE = 'varchar'
            THEN CONCAT('varchar(', CHARACTER_MAXIMUM_LENGTH, ')')
            WHEN col.DATA_TYPE = 'numeric'
            THEN CONCAT('numeric(', NUMERIC_PRECISION, ', ',
                    NUMERIC_SCALE, ')')
            WHEN col.DATA_TYPE = 'decimal'
            THEN CONCAT('decimal(', NUMERIC_PRECISION, ', ',
                    NUMERIC_SCALE, ')')
            ELSE col.DATA_TYPE
        END AS DataType ,
        col.IS_NULLABLE AS IsNullable,
        dcn.DefaultName ,
        col.COLUMN_DEFAULT AS DefaultNameDefinition ,
        cc.CONSTRAINT_NAME AS CheckConstraintRuleName,
        cc.CHECK_CLAUSE  AS CheckConstraintRuleNameDefinition
FROM    ( SELECT    TABLE_CATALOG ,
                    TABLE_SCHEMA ,
                    TABLE_NAME ,
                    TABLE_TYPE
          FROM      INFORMATION_SCHEMA.TABLES
        ) AS tbl
        INNER JOIN ( SELECT TABLE_CATALOG ,
                            TABLE_SCHEMA ,
                            TABLE_NAME ,
                            COLUMN_NAME ,
                            ORDINAL_POSITION ,
                            COLUMN_DEFAULT ,
                            IS_NULLABLE ,
                            DATA_TYPE ,
                            CHARACTER_MAXIMUM_LENGTH ,
                            CHARACTER_OCTET_LENGTH ,
                            NUMERIC_PRECISION ,
                            NUMERIC_PRECISION_RADIX ,
                            NUMERIC_SCALE ,
                            DATETIME_PRECISION ,
                            CHARACTER_SET_CATALOG ,
                            CHARACTER_SET_SCHEMA ,
                            CHARACTER_SET_NAME ,
                            COLLATION_CATALOG ,
                            COLLATION_SCHEMA ,
                            COLLATION_NAME ,
                            DOMAIN_CATALOG ,
                            DOMAIN_SCHEMA ,
                            DOMAIN_NAME
                     FROM   INFORMATION_SCHEMA.COLUMNS
                   ) AS col ON col.TABLE_CATALOG = tbl.TABLE_CATALOG
                            AND col.TABLE_SCHEMA = tbl.TABLE_SCHEMA
```

```
                                  AND col.TABLE_NAME = tbl.TABLE_NAME
          LEFT OUTER JOIN ( SELECT    t.name AS TableName ,
                                      SCHEMA_NAME(s.schema_id) AS SchemaName ,
                                      ac.name AS ColumnName ,
                                      d.name AS DefaultName
                     FROM    sys.all_columns AS ac
                                      INNER JOIN sys.tables AS t ON ac.object_id =
t.object_id
                                      INNER JOIN sys.schemas AS s ON t.schema_id =
s.schema_id
                                      INNER JOIN sys.default_constraints AS d ON
ac.default_object_id = d.object_id
                          ) AS dcn ON dcn.SchemaName = tbl.TABLE_SCHEMA
                                      AND dcn.TableName = tbl.TABLE_NAME
                                      AND dcn.ColumnName = col.COLUMN_NAME
          LEFT OUTER JOIN ( SELECT    cu.TABLE_CATALOG ,
                                      cu.TABLE_SCHEMA ,
                                      cu.TABLE_NAME ,
                                      cu.COLUMN_NAME ,
                                      c.CONSTRAINT_CATALOG ,
                                      c.CONSTRAINT_SCHEMA ,
                                      c.CONSTRAINT_NAME ,
                                      c.CHECK_CLAUSE
                     FROM    INFORMATION_SCHEMA.CONSTRAINT_COLUMN_USAGE
                                      AS cu
                                      INNER JOIN INFORMATION_SCHEMA.CHECK_CONSTRAINTS
                                      AS c ON c.CONSTRAINT_NAME = cu.CONSTRAINT_NAME
                          ) AS cc ON cc.TABLE_SCHEMA = tbl.TABLE_SCHEMA
                                      AND cc.TABLE_NAME = tbl.TABLE_NAME
                                      AND cc.COLUMN_NAME = col.COLUMN_NAME


GO
```

Uses

Utils

Used By

[Utils].[uvw_FindTablesStorageBytes]

▦ [Utils].[uvw_FindTablesStorageBytes]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	7:05:38 AM Tuesday, September 5, 2017
Last Modified	7:05:38 AM Tuesday, September 5, 2017

Columns

Name	Data Type	Max Length (Bytes)
FullyQualifiedTableName	nvarchar(257)	514
ColumnName	[sys].[sysname]	256
DataType	nvarchar(128)	256
OrdinalPosition	int	4
StorageBytes	int	4

SQL Script

```
create view [Utils].[uvw_FindTablesStorageBytes] as
select FullyQualifiedTableName
     , ColumnName
     , DataType
     , OrdinalPosition
     , StorageBytes = case
                       when charindex('(', DataType, 0) > 0
                            and substring(DataType, 1, 3) = 'var' then
                          cast(substring(
                                          DataType
                                        , charindex('(', DataType, 0) + 1
                                        , len(DataType) - charindex('(', Data-
Type, 0) - 1
                                        ) as int) + 2
                       when charindex('(', DataType, 0) > 0
                            and substring(DataType, 1, 3) = 'cha' then
                          cast(substring(
                                          DataType
                                        , charindex('(', DataType, 0) + 1
                                        , len(DataType) - charindex('(', Data-
Type, 0) - 1
                                        ) as int)
```

```sql
                        when substring(DataType, 1, 3) = 'int' then
                            4
                        when substring(DataType, 1, 3) = 'mon' then
                            4
                        when substring(DataType, 1, 3) = 'dat' then
                            3
                        else
                            -999
                    end
from Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint
where (SchemaName like 'CH%');
GO
```

Uses

[Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]
Utils

🖹 *Stored Procedures*

Objects

Name
Process.usp_ShowWorkflowSteps
Process.usp_TrackWorkFlows
Project2.AddForeignKeysToStarSchemaData
Project2.DropForeignKeysFromStarSchemaData
Project2.Load_Data
Project2.Load_DimCustomer
Project2.Load_DimGender
Project2.Load_DimMaritalStatus
Project2.Load_DimOccupation
Project2.Load_DimOrderDate
Project2.Load_DimProduct
Project2.Load_DimProductCategory
Project2.Load_DimProductSubcategory
Project2.Load_DimTerritory
Project2.Load_SalesManagers
Project2.LoadStarSchemaData
Project2.ShowTableStatusRowCount
Project2.TruncateStarSchemaData
Utils.DropProcsInCSCI331FinalProject

📄 [Process].[usp_ShowWorkflowSteps]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```sql
-- =============================================
-- Author: Timothy Dakis
-- Create date: 2022-04-05
-- Description: Outputs all information from [Process].[WorkFlowSteps]
-- =============================================
CREATE PROCEDURE [Process].[usp_ShowWorkflowSteps]
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    SELECT WFS.WorkFlowStepKey,
           WFS.WorkFlowStepDescription,
           WFS.WorkFlowStepTableRowCount,
           WFS.StartingDateTime,
           WFS.EndingDateTime,
           WFS.ClassTime,
           WFS.UserAuthorizationKey
    FROM Process.WorkFlowSteps AS WFS;

END;
GO
```

Uses

[Process].[WorkFlowSteps]
Process

📄 [Process].[usp_TrackWorkFlows]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4
@WorkFlowDescription	nvarchar(100)	200
@WorkFlowStepTableRowCount	int	4
@StartTime	datetime2	8
@EndTime	datetime2	8

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-03-31
-- Description:    Inputs information into [Process].WorkFlowSteps
-- =============================================
CREATE PROCEDURE [Process].[usp_TrackWorkFlows]
    -- Add the parameters for the stored procedure here
    @UserAuthorizationKey INT,
    @WorkFlowDescription NVARCHAR(100),
    @WorkFlowStepTableRowCount INT,
    @StartTime DATETIME2,
    @EndTime DATETIME2
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    -- Insert statements for procedure here
    INSERT INTO Process.WorkFlowSteps
    (
        WorkFlowStepDescription,
        WorkFlowStepTableRowCount,
        StartingDateTime,
        EndingDateTime,
```

```
        UserAuthorizationKey
    )
    VALUES
    (@WorkFlowDescription, @WorkFlowStepTableRowCount, @StartTime, @EndTime, @User-
AuthorizationKey);


END;
GO
```

Uses

[Process].[WorkFlowSteps]
Process

Used By

[Project2].[AddForeignKeysToStarSchemaData]
[Project2].[DropForeignKeysFromStarSchemaData]
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
[Project2].[Load_DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load_DimProduct]
[Project2].[Load_DimProductCategory]
[Project2].[Load_DimProductSubcategory]
[Project2].[Load_DimTerritory]
[Project2].[Load_SalesManagers]
[Project2].[LoadStarSchemaData]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]
[Utils].[DropProcsInCSCI331FinalProject]

📄 [Project2].[AddForeignKeysToStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```sql
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-01
-- Description:    Add the Foreign Keys to the Star Schema
-- =============================================
CREATE PROCEDURE [Project2].[AddForeignKeysToStarSchemaData] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    -- Adding Foreign Keys to CH01-01-Fact.Data table
    ALTER TABLE [CH01-01-Fact].[Data]
    ADD CONSTRAINT FK_Data_SalesManagers
        FOREIGN KEY (SalesManagerKey)
        REFERENCES [CH01-01-Dimension].SalesManagers (SalesManagerKey),
        CONSTRAINT FK_Data_DimGender
        FOREIGN KEY (Gender)
        REFERENCES [CH01-01-Dimension].DimGender (Gender),
        CONSTRAINT FK_Data_DimMaritalStatus
        FOREIGN KEY (MaritalStatus)
        REFERENCES [CH01-01-Dimension].DimMaritalStatus (MaritalStatus),
        CONSTRAINT FK_Data_DimOccupation
        FOREIGN KEY (OccupationKey)
        REFERENCES [CH01-01-Dimension].DimOccupation (OccupationKey),
        CONSTRAINT FK_Data_DimOrderDate
        FOREIGN KEY (OrderDate)
        REFERENCES [CH01-01-Dimension].DimOrderDate (OrderDate),
```

```sql
        CONSTRAINT FK_Data_DimTerritory
        FOREIGN KEY (TerritoryKey)
        REFERENCES [CH01-01-Dimension].DimTerritory (TerritoryKey),
        CONSTRAINT FK_Data_DimProduct
        FOREIGN KEY (ProductKey)
        REFERENCES [CH01-01-Dimension].DimProduct (ProductKey),
        CONSTRAINT FK_Data_DimCustomer
        FOREIGN KEY (CustomerKey)
        REFERENCES [CH01-01-Dimension].DimCustomer (CustomerKey),
        CONSTRAINT FK_Data_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    -- Adding other Foreign Keys that link to DbSecurity.UserAuthorization
    ALTER TABLE [CH01-01-Dimension].DimCustomer
    ADD CONSTRAINT FK_DimCustomer_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimGender
    ADD CONSTRAINT FK_DimGender_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimMaritalStatus
    ADD CONSTRAINT FK_DimMaritalStatus_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimOccupation
    ADD CONSTRAINT FK_DimOccupation_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimOrderDate
    ADD CONSTRAINT FK_DimOrderDate_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimProduct
    ADD CONSTRAINT FK_DimProduct_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimProductCategory
    ADD CONSTRAINT FK_DimProductCategory_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);

    ALTER TABLE [CH01-01-Dimension].DimProductSubcategory
    ADD CONSTRAINT FK_DimProductSubcategory_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);
```

```sql
    ALTER TABLE [CH01-01-Dimension].DimTerritory
    ADD CONSTRAINT FK_DimTerritory_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);


    ALTER TABLE [CH01-01-Dimension].SalesManagers
    ADD CONSTRAINT FK_SalesManager_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);


    ALTER TABLE Process.WorkFlowSteps
    ADD CONSTRAINT FK_WorkFlowSteps_UserAuth
        FOREIGN KEY (UserAuthorizationKey)
        REFERENCES DbSecurity.UserAuthorization (UserAuthorizationKey);


    -- Creating Grandparent-parent-child relationship between ProductCategory-Product-
    Subcategory-Product

    ALTER TABLE [CH01-01-Dimension].DimProductSubcategory
    ADD CONSTRAINT FK_DimProductSubcategory_DimProductCategory
        FOREIGN KEY (ProductCategoryKey)
        REFERENCES [CH01-01-Dimension].DimProductCategory (ProductCategoryKey);


    ALTER TABLE [CH01-01-Dimension].DimProduct
    ADD CONSTRAINT FK_DimProduct_DimProductSubcategory
        FOREIGN KEY (ProductSubcategoryKey)
        REFERENCES [CH01-01-Dimension].DimProductSubcategory (ProductSubcategoryKey);


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT = 0;


    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'Adding all Foreign Keys to
the Star Schema',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;


END;
GO
```

Uses

[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[DropForeignKeysFromStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```sql
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-01
-- Description:    Drop the Foreign Keys from the Star Schema
-- =============================================
CREATE PROCEDURE [Project2].[DropForeignKeysFromStarSchemaData] @UserAuthorizationKey
INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    -- Dropping all Foreign Keys from CH01-01-Fact.Data table
    ALTER TABLE [CH01-01-Fact].[Data]
    DROP CONSTRAINT FK_Data_SalesManagers,
        CONSTRAINT FK_Data_DimGender,
        CONSTRAINT FK_Data_DimMaritalStatus,
        CONSTRAINT FK_Data_DimOccupation,
        CONSTRAINT FK_Data_DimOrderDate,
        CONSTRAINT FK_Data_DimTerritory,
        CONSTRAINT FK_Data_DimProduct,
        CONSTRAINT FK_Data_DimCustomer,
        CONSTRAINT FK_Data_UserAuth;

    -- Dropping other Foreign Keys that link to DbSecurity.UserAuthorization

    ALTER TABLE [CH01-01-Dimension].DimCustomer
    DROP CONSTRAINT FK_DimCustomer_UserAuth;
```

```sql
    ALTER TABLE [CH01-01-Dimension].DimGender
    DROP CONSTRAINT FK_DimGender_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimMaritalStatus
    DROP CONSTRAINT FK_DimMaritalStatus_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimOccupation
    DROP CONSTRAINT FK_DimOccupation_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimOrderDate
    DROP CONSTRAINT FK_DimOrderDate_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimProduct
    DROP CONSTRAINT FK_DimProduct_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimProductCategory
    DROP CONSTRAINT FK_DimProductCategory_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimProductSubcategory
    DROP CONSTRAINT FK_DimProductSubcategory_UserAuth;

    ALTER TABLE [CH01-01-Dimension].DimTerritory
    DROP CONSTRAINT FK_DimTerritory_UserAuth;

    ALTER TABLE [CH01-01-Dimension].SalesManagers
    DROP CONSTRAINT FK_SalesManager_UserAuth;

    ALTER TABLE Process.WorkFlowSteps
    DROP CONSTRAINT FK_WorkFlowSteps_UserAuth;

    -- Dropping Grandparent-parent-child relationship between ProductCategory-Product-
Subcategory-Product
    ALTER TABLE [CH01-01-Dimension].DimProductSubcategory
    DROP CONSTRAINT FK_DimProductSubcategory_DimProductCategory;

    ALTER TABLE [CH01-01-Dimension].DimProduct
    DROP CONSTRAINT FK_DimProduct_DimProductSubcategory;

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT = 0;

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'Dropping all Foreign Keys
from the Star Schema',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖿 [Project2].[Load_Data]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Loads data into [CH01-01-Fact].[Data]
--
-- @UserAuthorizationKey is the
-- UserAuthorizationKey of the Group Member who completed
-- this stored procedure.
--
-- =============================================
CREATE PROCEDURE [Project2].[Load_Data] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Fact].Data
    (
        SalesManagerKey,
        OccupationKey,
        TerritoryKey,
        ProductKey,
        CustomerKey,
        ProductCategory,
        SalesManager,
        ProductSubcategory,
        ProductCode,
        ProductName,
```

```sql
        Color,
        ModelName,
        OrderQuantity,
        UnitPrice,
        ProductStandardCost,
        SalesAmount,
        OrderDate,
        [MonthName],
        MonthNumber,
        [Year],
        CustomerName,
        MaritalStatus,
        Gender,
        Education,
        Occupation,
        TerritoryRegion,
        TerritoryCountry,
        TerritoryGroup,
        UserAuthorizationKey
    )
SELECT SM.SalesManagerKey,
        DO.OccupationKey,
        DT.TerritoryKey,
        DP.ProductKey,
        DC.CustomerKey,
        OLD.ProductCategory,
        OLD.SalesManager,
        OLD.ProductSubcategory,
        OLD.ProductCode,
        OLD.ProductName,
        OLD.Color,
        OLD.ModelName,
        OLD.OrderQuantity,
        OLD.UnitPrice,
        OLD.ProductStandardCost,
        OLD.SalesAmount,
        OLD.OrderDate,
        OLD.[MonthName],
        OLD.MonthNumber,
        OLD.[Year],
        OLD.CustomerName,
        OLD.MaritalStatus,
        OLD.Gender,
        OLD.Education,
        OLD.Occupation,
        OLD.TerritoryRegion,
        OLD.TerritoryCountry,
        OLD.TerritoryGroup,
        @UserAuthorizationKey
FROM FileUpload.OriginallyLoadedData AS OLD
    INNER JOIN [CH01-01-Dimension].SalesManagers AS SM
        ON SM.SalesManager = OLD.SalesManager
            AND OLD.ProductSubcategory = SM.Category
```

```
        INNER JOIN [CH01-01-Dimension].DimOccupation AS DO
            ON DO.Occupation = OLD.Occupation
        INNER JOIN [CH01-01-Dimension].DimTerritory AS DT
            ON DT.TerritoryCountry = OLD.TerritoryCountry
                AND DT.TerritoryGroup = OLD.TerritoryGroup
                AND DT.TerritoryRegion = OLD.TerritoryRegion
        INNER JOIN [CH01-01-Dimension].DimProduct AS DP
            ON DP.ProductName = OLD.ProductName
        INNER JOIN [CH01-01-Dimension].DimCustomer AS DC
            ON DC.CustomerName = OLD.CustomerName;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_Data');

    EXEC ('CREATE VIEW G9_5.uvw_Data AS
        SELECT D.SalesKey,
                D.SalesManagerKey,
                D.OccupationKey,
                D.TerritoryKey,
                D.ProductKey,
                D.CustomerKey,
                D.ProductCategory,
                D.SalesManager,
                D.ProductSubcategory,
                D.ProductCode,
                D.ProductName,
                D.Color,
                D.ModelName,
                D.OrderQuantity,
                D.UnitPrice,
                D.ProductStandardCost,
                D.SalesAmount,
                D.OrderDate,
                D.[MonthName],
                D.MonthNumber,
                D.[Year],
                D.CustomerName,
                D.MaritalStatus,
                D.Gender,
                D.Education,
                D.Occupation,
                D.TerritoryRegion,
                D.TerritoryCountry,
                D.TerritoryGroup,
                D.UserAuthorizationKey,
                D.DateAdded,
                D.DateOfLastUpdate FROM [CH01-01-Fact].[Data] AS D');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Fact].[Data]
            );
```

```
    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Data] is
loading data into [CH01-01-Fact].[Data]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;



GO
```

Uses

[CH01-01-Dimension].[DimCustomer]
[CH01-01-Dimension].[DimOccupation]
[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimTerritory]
[CH01-01-Dimension].[SalesManagers]
[CH01-01-Fact].[Data]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖼 [Project2].[Load_DimCustomer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-03-31
-- Description:    Loads data into [CH01-01-Dimension].[DimCustomer]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimCustomer] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].[DimCustomer]
    (
        CustomerName,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            OLD.CustomerName,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimCustomer');

    EXEC ('CREATE VIEW G9_5.uvw_DimCustomer AS
    SELECT DC.CustomerKey,
            DC.CustomerName,
            DC.UserAuthorizationKey,
            DC.DateAdded,
```

```sql
        DC.DateOfLastUpdate FROM [CH01-01-Dimension].DimCustomer AS DC');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
        (
            SELECT COUNT(*)FROM [CH01-01-Dimension].DimCustomer
        );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
Customer] is loading data into [CH01-01-Dimension].[DimCustomer]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖹 [Project2].[Load_DimGender]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```sql
-- =============================================
-- Author:        Mikhaiel Gomes
-- Create date: 2022-04-01
-- Description:    Loads data into [CH01-01-Dimension].[DimGender]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimGender] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();
    INSERT INTO [CH01-01-Dimension].[DimGender]
    (
        Gender,
        GenderDescription,
        UserAuthorizationKey
    )
    SELECT DISTINCT
        OLD.Gender,
        GenderDescription = (CASE OLD.Gender
                                WHEN 'M' THEN
                                    'Male'
                                ELSE
                                    'Female'
                             END
                            ),
        @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD;
```

```
    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimGender');

    EXEC ('CREATE VIEW G9_5.uvw_DimGender AS
    SELECT DG.Gender,
            DG.GenderDescription,
            DG.UserAuthorizationKey,
            DG.DateAdded,
            DG.DateOfLastUpdate FROM [CH01-01-Dimension].DimGender AS DG');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimGender
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
Gender] is loading data into [CH01-01-Dimension].[DimGender]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimGender]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_DimMaritalStatus]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Mikhaiel Gomes
-- Create date: 2022-04-02
-- Description:    Loading data into [CH01-01-Dimension].[DimMaritalStatus]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimMaritalStatus] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].[DimMaritalStatus]
    (
        MaritalStatus,
        MaritalStatusDescription,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            OLD.MaritalStatus,
            MaritalStatusDescription = (CASE OLD.MaritalStatus
                                            WHEN 'S' THEN
                                                'Single'
                                            ELSE
                                                'Married'
                                         END
                                        ),
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD;
```

```sql
    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimMaritalStatus');

    EXEC ('CREATE VIEW G9_5.uvw_DimMaritalStatus AS
SELECT DMS.MaritalStatus,
        DMS.MaritalStatusDescription,
        DMS.UserAuthorizationKey,
        DMS.DateAdded,
        DMS.DateOfLastUpdate FROM [CH01-01-Dimension].DimMaritalStatus AS DMS');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimMaritalStatus
            );
    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
MaritalStatus] is loading data into [CH01-01-Dimension].[DimMaritalStatus]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimMaritalStatus]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_DimOccupation]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author: Shivanie Kemraj
-- Create date: 2022-04-02
-- Description: Loads data into [CH01-01-Dimension].[DimOccupation]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimOccupation] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].[DimOccupation]
    (
        Occupation,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            OLD.Occupation,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD
    ORDER BY OLD.Occupation; -- Order by Occupation to mimic the key mapping of initial
table

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimOccupation');

    EXEC ('CREATE VIEW G9_5.uvw_DimOccupation AS
    SELECT DO.OccupationKey,
            DO.Occupation,
```

```
            DO.UserAuthorizationKey,
            DO.DateAdded,
            DO.DateOfLastUpdate FROM [CH01-01-Dimension].DimOccupation AS DO');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*) FROM [CH01-01-Dimension].DimOccupation
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
Occupation] is loading data into [CH01-01-Dimension].[DimOccupation]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;


END;
GO
```

Uses

[CH01-01-Dimension].[DimOccupation]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖼 [Project2].[Load_DimOrderDate]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Konrad Rakowski
-- Create date: 2022-04-02
-- Description:    Loads data into [CH01-01-Dimension].[DimOrderDate]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimOrderDate] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].[DimOrderDate]
    (
        OrderDate,
        [MonthName],
        MonthNumber,
        [Year],
        UserAuthorizationKey
    )
    SELECT DISTINCT
            OLD.OrderDate,
            OLD.[MonthName],
            OLD.MonthNumber,
            OLD.[Year],
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimOrderDate');
```

```
    EXEC ('CREATE VIEW G9_5.uvw_DimOrderDate AS
    SELECT DOD.OrderDate,
           DOD.[MonthName],
           DOD.MonthNumber,
           DOD.[Year],
           DOD.UserAuthorizationKey,
           DOD.DateAdded,
           DOD.DateOfLastUpdate FROM [CH01-01-Dimension].DimOrderDate AS DOD');


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimOrderDate
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_DimOrder-
Date] is loading data into [CH01-01-Dimension].[DimOrderDate]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimOrderDate]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖾 [Project2].[Load_DimProduct]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Loads data into [CH01-01-Dimension].[DimProduct]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimProduct] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].DimProduct
    (
        ProductSubcategoryKey,
        ProductCategory,
        ProductSubcategory,
        ProductCode,
        ProductName,
        Color,
        ModelName,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            PSC.ProductSubcategoryKey,
            OLD.ProductCategory,
            OLD.ProductSubcategory,
            OLD.ProductCode,
            OLD.ProductName,
```

```sql
            OLD.Color,
            OLD.ModelName,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD
        INNER JOIN [CH01-01-Dimension].DimProductSubcategory AS PSC
            ON PSC.ProductSubcategory = OLD.ProductSubcategory;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimProduct');

    EXEC ('CREATE VIEW G9_5.uvw_DimProduct AS
    SELECT DP.ProductKey,
           DP.ProductSubcategoryKey,
           DP.ProductCategory,
           DP.ProductSubcategory,
           DP.ProductCode,
           DP.ProductName,
           DP.Color,
           DP.ModelName,
           DP.UserAuthorizationKey,
           DP.DateAdded,
           DP.DateOfLastUpdate FROM [CH01-01-Dimension].DimProduct AS DP');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimProduct
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
Product] is loading data into [CH01-01-Dimension].[DimProduct]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimProductSubcategory]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_DimProductCategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```sql
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Loads data into [CH01-01-Dimension].[DimProductCategory]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimProductCategory] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].DimProductCategory
    (
        ProductCategory,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            ProductCategory,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimProductCategory');

    EXEC ('CREATE VIEW G9_5.uvw_DimProductCategory AS
        SELECT ProductCategoryKey,
            ProductCategory,
            UserAuthorizationKey,
            DateAdded,
```

```
            DateOfLastUpdate FROM [CH01-01-Dimension].DimProductCategory');

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimProductCategory
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
ProductCategory] is loading data into [CH01-01-Dimension].[DimProductCategory]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimProductCategory]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_DimProductSubcategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Loads data into [CH01-01-Dimension].[DimProductSubcategory]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimProductSubcategory] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].DimProductSubcategory
    (
        ProductCategoryKey,
        ProductSubcategory,
        UserAuthorizationKey
    )
    SELECT DISTINCT
        PC.ProductCategoryKey,
        O.ProductSubcategory,
        @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS O
        INNER JOIN [CH01-01-Dimension].DimProductCategory AS PC
            ON PC.ProductCategory = O.ProductCategory;

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimProductSubcategory');
    EXEC ('CREATE VIEW G9_5.uvw_DimProductSubcategory AS
    SELECT ProductSubcategoryKey,
```

```
            ProductCategoryKey,
            ProductSubcategory,
            UserAuthorizationKey,
            DateAdded,
            DateOfLastUpdate
    FROM [CH01-01-Dimension].DimProductSubcategory;');


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].DimProductSubcategory
            );


    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
ProductSubcategory] is loading data into [CH01-01-Dimension].[DimProductSubcategory]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimProductCategory]
[CH01-01-Dimension].[DimProductSubcategory]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_DimTerritory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```sql
-- =============================================
-- Author: Shivanie Kemraj
-- Create date: 2022-04-02
-- Description: Loads data into [CH01-01-Dimension].[DimTerritory]
-- =============================================
CREATE PROCEDURE [Project2].[Load_DimTerritory] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].[DimTerritory]
    (
        TerritoryGroup,
        TerritoryCountry,
        TerritoryRegion,
        UserAuthorizationKey
    )
    SELECT DISTINCT
            OLD.TerritoryGroup,
            OLD.TerritoryCountry,
            OLD.TerritoryRegion,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD;



    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_DimTerritory');
```

```
    EXEC ('CREATE VIEW G9_5.uvw_DimTerritory AS
    SELECT DT.TerritoryKey,
           DT.TerritoryGroup,
           DT.TerritoryCountry,
           DT.TerritoryRegion,
           DT.UserAuthorizationKey,
           DT.DateAdded,
           DT.DateOfLastUpdate FROM [CH01-01-Dimension].DimTerritory AS DT');


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT =
           (
               SELECT COUNT(*)FROM [CH01-01-Dimension].DimTerritory
           );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Dim-
Territory] is loading data into [CH01-01-Dimension].[DimTerritory]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[DimTerritory]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

📄 [Project2].[Load_SalesManagers]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Kevin Tang
-- Create date: 2022-04-01
-- Description:    Loads data into [CH01-01-Dimension].[SalesManagers]
-- =============================================
CREATE PROCEDURE [Project2].[Load_SalesManagers] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    INSERT INTO [CH01-01-Dimension].SalesManagers
    (
        Category,
        SalesManager,
        Office,
        UserAuthorizationKey
    )
    SELECT DISTINCT
          OLD.ProductSubcategory,
          OLD.SalesManager,
          Office = CASE
                    WHEN OLD.SalesManager LIKE 'Marco%' THEN
                        'Redmond'
                    WHEN OLD.SalesManager LIKE 'Alberto%' THEN
                        'Seattle'
                    WHEN OLD.SalesManager LIKE 'Maurizio%' THEN
                        'Redmond'
```

```
                           ELSE
                               'Seattle'
                       END,
            @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS OLD
    ORDER BY OLD.ProductSubcategory; -- Order by ProductSubcategory to mimic key
mapping of initial table

    EXEC ('DROP VIEW IF EXISTS G9_5.uvw_SalesManagers');

    EXEC ('CREATE VIEW G9_5.uvw_SalesManagers AS
    SELECT SM.SalesManagerKey,
           SM.Category,
           SM.SalesManager,
           SM.Office,
           SM.UserAuthorizationKey,
           SM.DateAdded,
           SM.DateOfLastUpdate FROM [CH01-01-Dimension].SalesManagers AS SM
    '    );

    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();

    DECLARE @ProcWorkFlowTableRowCount INT =
            (
                SELECT COUNT(*)FROM [CH01-01-Dimension].SalesManagers
            );

    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[Load_Sales-
Managers] is loading data into [CH01-01-Dimension].[SalesManagers]',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[CH01-01-Dimension].[SalesManagers]
[FileUpload].[OriginallyLoadedData]
[Process].[usp_TrackWorkFlows]
Project2

Used By

[Project2].[LoadStarSchemaData]

🖼 [Project2].[LoadStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Loads all data into the Star Schema
-- =============================================
CREATE PROCEDURE [Project2].[LoadStarSchemaData] @UserAuthorizationKey INT
-- Add the parameters for the stored procedure here
AS
BEGIN
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();
    --
    --    Drop All of the foreign keys prior to truncating tables in the star schema
    --
    EXEC [Project2].[DropForeignKeysFromStarSchemaData] @UserAuthorizationKey = 1;
    --
    --    Check row count before truncation
    EXEC [Project2].[ShowTableStatusRowCount] @TableStatus = N'''Pre-truncate of
tables''',
                                               @UserAuthorizationKey = 1;


    --
    --    Always truncate the Star Schema Data
    --
    EXEC [Project2].[TruncateStarSchemaData] @UserAuthorizationKey = 1;
    --
    --    Load the star schema
    --
    EXEC [Project2].[Load_DimProductCategory] @UserAuthorizationKey = 1;
    EXEC [Project2].[Load_DimProductSubcategory] @UserAuthorizationKey = 1;
```

```
    EXEC [Project2].[Load_DimProduct] @UserAuthorizationKey = 1;
    EXEC [Project2].[Load_SalesManagers] @UserAuthorizationKey = 5;
    EXEC [Project2].[Load_DimGender] @UserAuthorizationKey = 2;
    EXEC [Project2].[Load_DimMaritalStatus] @UserAuthorizationKey = 2;
    EXEC [Project2].[Load_DimOccupation] @UserAuthorizationKey = 3;
    EXEC [Project2].[Load_DimOrderDate] @UserAuthorizationKey = 4;
    EXEC [Project2].[Load_DimTerritory] @UserAuthorizationKey = 3;
    EXEC [Project2].[Load_DimCustomer] @UserAuthorizationKey = 1;
    EXEC [Project2].[Load_Data] @UserAuthorizationKey = 1;
    --
    --    Recreate all of the foreign keys prior after loading the star schema
    --
    --
    --    Check row count before truncation
    EXEC [Project2].[ShowTableStatusRowCount] @TableStatus = N'''Row Count after
loading the star schema''',
                                              @UserAuthorizationKey = 1;


    --
    EXEC [Project2].[AddForeignKeysToStarSchemaData] @UserAuthorizationKey = 1;


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT = 0;


    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Project2].[LoadStarSchema-
Data] is loading the Star Schema',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
--
END;
GO
```

Uses

[Process].[usp_TrackWorkFlows]

[Project2].[AddForeignKeysToStarSchemaData]

[Project2].[DropForeignKeysFromStarSchemaData]

[Project2].[Load_Data]

[Project2].[Load_DimCustomer]

[Project2].[Load_DimGender]

[Project2].[Load_DimMaritalStatus]

[Project2].[Load_DimOccupation]

[Project2].[Load_DimOrderDate]

[Project2].[Load_DimProduct]

[Project2].[Load_DimProductCategory]

[Project2].[Load_DimProductSubcategory]

[Project2].[Load_DimTerritory]

[Project2].[Load_SalesManagers]

[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]
Project2

📖 [Project2].[ShowTableStatusRowCount]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@TableStatus	varchar(64)	64
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Creates a table showing number of rows in each table of the Star
Schema
-- =============================================
CREATE PROCEDURE [Project2].[ShowTableStatusRowCount]
    @TableStatus VARCHAR(64),
    @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    -- UNION ALL between each select so only 1 output is generated
    SELECT TableStatus = @TableStatus,
            TableName = 'CH01-01-Dimension.DimCustomer',
            NumberOfRows = COUNT(*)
    FROM [CH01-01-Dimension].DimCustomer
    UNION ALL
    SELECT TableStatus = @TableStatus,
            TableName = 'CH01-01-Dimension.DimGender',
            COUNT(*)
    FROM [CH01-01-Dimension].DimGender
    UNION ALL
    SELECT TableStatus = @TableStatus,
```

```sql
         TableName = 'CH01-01-Dimension.DimMaritalStatus',
         COUNT(*)
FROM [CH01-01-Dimension].DimMaritalStatus
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimOccupation',
         COUNT(*)
FROM [CH01-01-Dimension].DimOccupation
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimOrderDate',
         COUNT(*)
FROM [CH01-01-Dimension].DimOrderDate
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimProduct',
         COUNT(*)
FROM [CH01-01-Dimension].DimProduct
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimProductCategory',
         COUNT(*)
FROM [CH01-01-Dimension].DimProductCategory
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimProductSubcategory',
         COUNT(*)
FROM [CH01-01-Dimension].DimProductSubcategory
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.DimTerritory',
         COUNT(*)
FROM [CH01-01-Dimension].DimTerritory
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Dimension.SalesManagers',
         COUNT(*)
FROM [CH01-01-Dimension].SalesManagers
UNION ALL
SELECT TableStatus = @TableStatus,
         TableName = 'CH01-01-Fact.Data',
         COUNT(*)
FROM [CH01-01-Fact].[Data];

DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();
DECLARE @ProcWorkFlowTableRowCount INT = 0;
EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                @WorkFlowDescription = N'[Project2].[ShowTable-
StatusRowCount] counted rows of all tables',
                                @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                @StartTime = @ProcStartTime,
                                @EndTime = @ProcEndTime;
```

```
END;
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]

[CH01-01-Dimension].[DimGender]

[CH01-01-Dimension].[DimMaritalStatus]

[CH01-01-Dimension].[DimOccupation]

[CH01-01-Dimension].[DimOrderDate]

[CH01-01-Dimension].[DimProduct]

[CH01-01-Dimension].[DimProductCategory]

[CH01-01-Dimension].[DimProductSubcategory]

[CH01-01-Dimension].[DimTerritory]

[CH01-01-Dimension].[SalesManagers]

[CH01-01-Fact].[Data]

[Process].[usp_TrackWorkFlows]

Project2

Used By

[Project2].[LoadStarSchemaData]

🖺 [Project2].[TruncateStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Truncates the Star Schema and resets all related sequences
-- =============================================
CREATE PROCEDURE [Project2].[TruncateStarSchemaData] @UserAuthorizationKey INT
AS
BEGIN
    -- SET NOCOUNT ON added to prevent extra result sets from
    -- interfering with SELECT statements.
    SET NOCOUNT ON;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    -- Truncate all tables
    TRUNCATE TABLE [CH01-01-Dimension].DimCustomer;
    TRUNCATE TABLE [CH01-01-Dimension].DimGender;
    TRUNCATE TABLE [CH01-01-Dimension].DimMaritalStatus;
    TRUNCATE TABLE [CH01-01-Dimension].DimOccupation;
    TRUNCATE TABLE [CH01-01-Dimension].DimOrderDate;
    TRUNCATE TABLE [CH01-01-Dimension].DimProduct;
    TRUNCATE TABLE [CH01-01-Dimension].DimProductSubcategory;
    TRUNCATE TABLE [CH01-01-Dimension].DimProductCategory;
    TRUNCATE TABLE [CH01-01-Dimension].DimTerritory;
    TRUNCATE TABLE [CH01-01-Dimension].SalesManagers;
    TRUNCATE TABLE [CH01-01-Fact].[Data];

    -- Reset all sequences
    ALTER SEQUENCE PkSequence.DataSequenceObject RESTART WITH 1;
    ALTER SEQUENCE PkSequence.DimCustomerSequenceObject RESTART WITH 1;
    ALTER SEQUENCE PkSequence.DimOccupationSequenceObject RESTART WITH 1;
```

```sql
    ALTER SEQUENCE PkSequence.DimProductSequenceObject RESTART WITH 1;
    ALTER SEQUENCE PkSequence.DimProductSubcategorySequenceObject
    RESTART WITH 1;
    ALTER SEQUENCE PkSequence.DimProductCategorySequenceObject RESTART WITH 1;
    ALTER SEQUENCE PkSequence.DimTerritorySequenceObject RESTART WITH 1;
    ALTER SEQUENCE PkSequence.SalesManagerSequenceObject RESTART WITH 1;


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT = 0;


    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'Truncate all tables of the
Star Schema',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;


END;
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]

[CH01-01-Dimension].[DimGender]

[CH01-01-Dimension].[DimMaritalStatus]

[CH01-01-Dimension].[DimOccupation]

[CH01-01-Dimension].[DimOrderDate]

[CH01-01-Dimension].[DimProduct]

[CH01-01-Dimension].[DimProductCategory]

[CH01-01-Dimension].[DimProductSubcategory]

[CH01-01-Dimension].[DimTerritory]

[CH01-01-Dimension].[SalesManagers]

[CH01-01-Fact].[Data]

[Process].[usp_TrackWorkFlows]

Project2

Used By

[Project2].[LoadStarSchemaData]

🗒 [Utils].[DropProcsInCSCI331FinalProject]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@UserAuthorizationKey	int	4

SQL Script

```
-- =============================================
-- Author:        Timothy Dakis
-- Create date: 2022-04-02
-- Description:    Drops all procedures of the Star Schema
-- =============================================
CREATE PROCEDURE [Utils].[DropProcsInCSCI331FinalProject] @UserAuthorizationKey INT
AS
BEGIN
    SET NOCOUNT ON;

    --select concat('drop prodcedure if exists  ', schema_name(o.schema_id), '.', name)
    --from sys.objects as o
    --where o.type = 'P'
    --      and o.schema_id = 9;

    DECLARE @ProcStartTime DATETIME2 = SYSDATETIME();

    DROP PROC IF EXISTS Project2.Load_SalesManagers;
    DROP PROC IF EXISTS Project2.Load_DimProductSubcategory;
    DROP PROC IF EXISTS Project2.Load_DimProductCategory;
    DROP PROC IF EXISTS Project2.Load_DimGender;
    DROP PROC IF EXISTS Project2.Load_DimMaritalStatus;
    DROP PROC IF EXISTS Project2.Load_DimOccupation;
    DROP PROC IF EXISTS Project2.Load_DimOrderDate;
    DROP PROC IF EXISTS Project2.Load_DimTerritory;
    DROP PROC IF EXISTS Project2.Load_DimProduct;
    DROP PROC IF EXISTS Project2.Load_DimCustomer;
    DROP PROC IF EXISTS Project2.Load_Data;
    DROP PROC IF EXISTS Project2.TruncateStarSchemaData;
    DROP PROC IF EXISTS Project2.LoadStarSchemaData;
    DROP PROC IF EXISTS Project2.AddForeignKeysToStarSchemaData;
```

```
    DROP PROC IF EXISTS Project2.DropForeignKeysFromStarSchemaData;
    DROP PROC IF EXISTS Project2.ShowTableStatusRowCount;


    DECLARE @ProcEndTime DATETIME2 = SYSDATETIME();


    DECLARE @ProcWorkFlowTableRowCount INT = 0;


    EXEC Process.usp_TrackWorkFlows @UserAuthorizationKey = @UserAuthorizationKey,
                                    @WorkFlowDescription = N'[Utils].[DropProcsIn-
CSCI331FinalProject] dropped all procedures of the Star Schema',
                                    @WorkFlowStepTableRowCount = @ProcWorkFlowTableRow-
Count,
                                    @StartTime = @ProcStartTime,
                                    @EndTime = @ProcEndTime;
END;
GO
```

Uses

[Process].[usp_TrackWorkFlows]
Utils

📟ₓ *Scalar-valued Functions*

Objects

Name
Utils.CalculateDataTypeByteStorage

[Utils].[CalculateDataTypeByteStorage]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@DataType	varchar(50)	50

SQL Script

```
-- =============================================
-- Author:       Peter Heller
-- Create date:
-- Description:
-- =============================================
create FUNCTION [Utils].[CalculateDataTypeByteStorage]
(
    -- Add the parameters for the function here
    @DataType varchar(50)
)
RETURNS int
AS
BEGIN
    -- Declare the return variable here
    DECLARE @Result int

    -- Return the result of the function
    RETURN  CASE
                    WHEN CHARINDEX('(', @DataType, 0) > 0
                        AND SUBSTRING(@DataType, 1, 3) = 'var' THEN
                        CAST(SUBSTRING(
                                        @DataType
                                    , CHARINDEX('(', @DataType, 0) + 1
                                    , LEN(@DataType) - CHARINDEX('(', @Data-
Type, 0) - 1
                                    ) AS INT) + 2
                    WHEN CHARINDEX('(', @DataType, 0) > 0
                        AND SUBSTRING(@DataType, 1, 3) = 'cha' THEN
                        CAST(SUBSTRING(
                                        @DataType
                                    , CHARINDEX('(', @DataType, 0) + 1
```

```
                                                    , LEN(@DataType) - CHARINDEX('(', @Data-
Type, 0) - 1
                                        ) AS INT)
                    WHEN SUBSTRING(@DataType, 1, 3) = 'int' THEN
                            4
                    WHEN SUBSTRING(@DataType, 1, 3) = 'mon' THEN
                            4
                    WHEN SUBSTRING(@DataType, 1, 3) = 'dat' THEN
                            3
                    ELSE
                            -999
                END

END
GO
```

Uses

Utils

Sequences

Objects

Name
PkSequence.DataSequenceObject
PkSequence.DimCustomerSequenceObject
PkSequence.DimOccupationSequenceObject
PkSequence.DimProductCategorySequenceObject
PkSequence.DimProductSequenceObject
PkSequence.DimProductSubcategorySequenceObject
PkSequence.DimTerritorySequenceObject
PkSequence.SalesManagerSequenceObject

⛁ [PkSequence].[DataSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DataSequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

▣ [PkSequence].[DimCustomerSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimCustomerSequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

🗋 [PkSequence].[DimOccupationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```sql
CREATE SEQUENCE [PkSequence].[DimOccupationSequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

▣ [PkSequence].[DimProductCategorySequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductCategorySequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

▦ [PkSequence].[DimProductSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductSequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

⊞ [PkSequence].[DimProductSubcategorySequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductSubcategorySequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

⊟ [PkSequence].[DimTerritorySequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimTerritorySequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

⬜ [PkSequence].[SalesManagerSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[SalesManagerSequenceObject]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

PkSequence

👤 *Users*

Objects

Name
dbo
EC3\RedgateBackup
EC3\thehitman
guest
rheller

👤 dbo

Properties

Property	Value
Type	SqlUser
Login Name	sa
Default Schema	dbo

Database Level Permissions

Type	Action
CONNECT	Grant

SQL Script

```
GO
```

👤 EC3\RedgateBackup

Properties

Property	Value
Type	WindowsUser
Login Name	EC3\RedgateBackup
Default Schema	dbo

Database Level Permissions

Type	Action
CONNECT	Grant

SQL Script

```sql
IF NOT EXISTS (SELECT * FROM master.dbo.syslogins WHERE loginname = N'EC3\Redgate-
Backup')
CREATE LOGIN [EC3\RedgateBackup] FROM WINDOWS
GO
CREATE USER [EC3\RedgateBackup] FOR LOGIN [EC3\RedgateBackup]
GO
```

👤 EC3\thehitman

Properties

Property	Value
Type	WindowsUser
Login Name	EC3\thehitman
Default Schema	dbo

Database Level Permissions

Type	Action
CONNECT	Grant

SQL Script

```sql
IF NOT EXISTS (SELECT * FROM master.dbo.syslogins WHERE loginname = N'EC3\thehitman')
CREATE LOGIN [EC3\thehitman] FROM WINDOWS
GO
CREATE USER [EC3\thehitman] FOR LOGIN [EC3\thehitman]
GO
```

guest

Properties

Property	Value
Type	SqlUser
Default Schema	guest

SQL Script

```
GO
```

👤 rheller

Properties

Property	Value
Type	SqlUser
Default Schema	dbo

Database Level Permissions

Type	Action
CONNECT	Grant

SQL Script

```
CREATE USER [rheller] WITHOUT LOGIN
GO
```

👥 *Database Roles*

Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

👥 db_accessadmin

Properties

Property	Value
Owner	dbo

👥 db_backupoperator

Properties

Property	Value
Owner	dbo

👥 db_datareader

Properties

Property	Value
Owner	dbo

Members

- rheller

SQL Script

```
ALTER ROLE [db_datareader] ADD MEMBER [rheller]
GO
```

Uses

rheller

👥 db_datawriter

Properties

Property	Value
Owner	dbo

👥 db_ddladmin

Properties

Property	Value
Owner	dbo

👥 db_denydatareader

Properties

Property	Value
Owner	dbo

👥 db_denydatawriter

Properties

Property	Value
Owner	dbo

👥 db_owner

Properties

Property	Value

Owner	dbo

Members

- EC3\RedgateBackup
- EC3\thehitman

SQL Script

```
ALTER ROLE [db_owner] ADD MEMBER [EC3\RedgateBackup]
GO
ALTER ROLE [db_owner] ADD MEMBER [EC3\thehitman]
GO
```

Uses

EC3\RedgateBackup
EC3\thehitman

👥 db_securityadmin

Properties

Property	Value
Owner	dbo

👥 public

Properties

Property	Value
Owner	dbo

⋀ *Schemas*

Objects

Name
CH01-01-Dimension
CH01-01-Fact
DbSecurity
FileUpload
G9_5
PkSequence
Process
Project2
Utils

⋀ CH01-01-Dimension

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [CH01-01-Dimension]
AUTHORIZATION [dbo]
GO
```

Used By

[CH01-01-Dimension].[DimCustomer]

[CH01-01-Dimension].[DimGender]

[CH01-01-Dimension].[DimMaritalStatus]

[CH01-01-Dimension].[DimOccupation]

[CH01-01-Dimension].[DimOrderDate]

[CH01-01-Dimension].[DimProduct]

[CH01-01-Dimension].[DimProductCategory]

[CH01-01-Dimension].[DimProductSubcategory]

[CH01-01-Dimension].[DimTerritory]

[CH01-01-Dimension].[SalesManagers]

⋏ CH01-01-Fact

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [CH01-01-Fact]
AUTHORIZATION [dbo]
GO
```

Used By

[CH01-01-Fact].[Data]

∧ DbSecurity

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [DbSecurity]
AUTHORIZATION [dbo]
GO
```

Used By

[DbSecurity].[UserAuthorization]

⋀ FileUpload

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [FileUpload]
AUTHORIZATION [dbo]
GO
```

Used By

[FileUpload].[OriginallyLoadedData]

[FileUpload].[ProductCategories]

[FileUpload].[ProductSubcategories]

△ G9_5

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [G9_5]
AUTHORIZATION [dbo]
GO
```

Used By

[G9_5].[uvw_Data]
[G9_5].[uvw_DimCustomer]
[G9_5].[uvw_DimGender]
[G9_5].[uvw_DimMaritalStatus]
[G9_5].[uvw_DimOccupation]
[G9_5].[uvw_DimOrderDate]
[G9_5].[uvw_DimProduct]
[G9_5].[uvw_DimProductCategory]
[G9_5].[uvw_DimProductSubcategory]
[G9_5].[uvw_DimTerritory]
[G9_5].[uvw_SalesManagers]

⋏ PkSequence

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [PkSequence]
AUTHORIZATION [dbo]
GO
```

Used By

[PkSequence].[DataSequenceObject]

[PkSequence].[DimCustomerSequenceObject]

[PkSequence].[DimOccupationSequenceObject]

[PkSequence].[DimProductCategorySequenceObject]

[PkSequence].[DimProductSequenceObject]

[PkSequence].[DimProductSubcategorySequenceObject]

[PkSequence].[DimTerritorySequenceObject]

[PkSequence].[SalesManagerSequenceObject]

⋀ Process

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Process]
AUTHORIZATION [dbo]
GO
```

Used By

[Process].[WorkFlowSteps]
[Process].[usp_ShowWorkflowSteps]
[Process].[usp_TrackWorkFlows]

⋀ Project2

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Project2]
AUTHORIZATION [dbo]
GO
```

Used By

[Project2].[AddForeignKeysToStarSchemaData]
[Project2].[DropForeignKeysFromStarSchemaData]
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
[Project2].[Load_DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load_DimProduct]
[Project2].[Load_DimProductCategory]
[Project2].[Load_DimProductSubcategory]
[Project2].[Load_DimTerritory]
[Project2].[Load_SalesManagers]
[Project2].[LoadStarSchemaData]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

⋀ Utils

Properties

Property	Value
Owner	dbo

SQL Script

```sql
CREATE SCHEMA [Utils]
AUTHORIZATION [dbo]
GO
```

Used By

[Utils].[ShowServerUserNameAndCurrentDatabase]

[Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]

[Utils].[uvw_FindTablesStorageBytes]

[Utils].[DropProcsInCSCI331FinalProject]

[Utils].[CalculateDataTypeByteStorage]