localhost,13001

Server localhost, 13001

Author chang

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■ localhost,13001

Databases (1)

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Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4198.2
Language	English
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	4
OS Version	6.2 (9200)
Physical Memory	10198
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

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Databases (1)

• **目** G10_E

目 G10_E Database

Database Properties

Property	Value
SQL Server Version	Max
Compatibility Level	SQL Server 2014
Last backup time	04/12/2022
Last log backup time	-
Creation date	Apr 12 2022
Users	7
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	261.63 MB
Unallocated space	30.20 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	NOTHING
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	Туре	Size	Maxsize	Autogrowth	File Name
BIClass	Data	67.00 MB	unlimited	1.00 MB	/var/opt/mssql/data/BIClass.mdf
BIClass_log	Log	194.63 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	8:57:27 PM Friday, April 08, 2022		
Last Modified	1:33:27 AM Monday, April 11, 2022		

Columns

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

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimCusto95011E6452BCF41C	CustomerKey	True

Foreign Keys

Name	Columns
FK_DimCustomer_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
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] 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_User-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity]. [User-Authorization] ([UserAuthorizationKey])

GO
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	7:45:56 AM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_DimGender	Gender	True

Foreign Keys

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

```
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] 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_User-
Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-
Authorization] ([UserAuthorizationKey])
GO
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	7:46:07 AM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_DimMaritalStatus	MaritalStatus	True

Foreign Keys

Name	Columns
FK_DimMaritalStatus_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
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] 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_-
UserAuthorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-
Authorization] ([UserAuthorizationKey])
GO
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	7:57:30 AM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
P <mark>/</mark> C	OccupationKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk- Sequence].[Occupation- SequenceObject])
	Occupation	varchar(20)	20	NULL allowed	
FK	UserAuthorizationKey	int	4	NULL allowed	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_DimOccupation	OccupationKey	True

Foreign Keys

Name	Columns
FK_DimOccupation_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
CREATE TABLE [CH01-01-Dimension].[DimOccupation]

(
[OccupationKey] [int] NOT NULL CONSTRAINT [DF_DimOccupation_OccupationKey] DEFAULT
(NEXT VALUE FOR [PkSequence].[OccupationSequenceObject]),

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

[UserAuthorizationKey] [int] 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-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity]. [User-Authorization] ([UserAuthorizationKey])
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	11:26:20 AM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 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	NULL allowed	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PKC	PK_DimOrderDate_1	OrderDate	True

Foreign Keys

Name	Columns
FK_DimOrderDate_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
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] 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-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-Authorization] ([UserAuthorizationKey])

GO
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	11:00:22 PM Friday, April 08, 2022		
Last Modified	1:33:27 AM Monday, April 11, 2022		

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK <mark>P</mark> 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	NULL allowed	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	y Name		Unique
PK G	PKDimProduA15E99B3E27177EF	ProductKey	True

Foreign Keys

Name	Columns
FK_DimProduct_DimProductSubCategory	ProductSubcategoryKey->[CH01-01-Dimension].[DimProductSub-Category].[ProductSubcategoryKey]
FK_DimProduct_UserAuthorization	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] 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]
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [FK DimProduct DimProduct-
SubCategory] FOREIGN KEY ([ProductSubcategoryKey]) REFERENCES [CH01-01-Dimension].[Dim-
ProductSubCategory] ([ProductSubcategoryKey])
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [FK DimProduct User-
Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-
Authorization] ([UserAuthorizationKey])
```

Uses

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	5:17:50 PM Friday, April 08, 2022
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

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

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimProdu4B35CDF058EFE7B6	ProductCategoryKey	True

Foreign Keys

Name	Columns
FK_DimProductCategory_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
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 NULL,

[UserAuthorizationKey] [int] 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_Dim-Produ_4B35CDF058EFE7B6] PRIMARY KEY CLUSTERED ([ProductCategoryKey]) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension]. [DimProductCategory] ADD CONSTRAINT [FK_DimProduct-Category_UserAuthorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [Db-Security]. [UserAuthorizationKey])

GO
```

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

Used By

[CH01-01-Dimension].[DimProductSubCategory]
[G10_E].[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	5:18:40 PM Friday, April 08, 2022
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK G	PKDimProdu3D21635C2CDF18DA	ProductSubcategoryKey	True

Foreign Keys

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

```
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 NULL,
[UserAuthorizationKey] [int] 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 Dim-
Produ 3D21635C2CDF18DA] PRIMARY KEY CLUSTERED ([ProductSubcategoryKey]) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimProductSubCategory] ADD CONSTRAINT [FK DimProduct-
SubCategory DimProductCategory] FOREIGN KEY ([ProductCategoryKey]) REFERENCES [CH01-01-
Dimension].[DimProductCategory] ([ProductCategoryKey])
ALTER TABLE [CH01-01-Dimension].[DimProductSubCategory] ADD CONSTRAINT [FK DimProduct-
SubCategory UserAuthorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [Db-
Security].[UserAuthorization] ([UserAuthorizationKey])
```

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

Used By

[CH01-01-Dimension].[DimProduct]
[G10_E].[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	9:01:02 PM Friday, April 08, 2022
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK P 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	NULL allowed	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PKDimTerriC54B735D813BBCA6	TerritoryKey	True

Foreign Keys

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

```
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] NULL,
[UserAuthorizationKey] [int] 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-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-Authorization] ([UserAuthorizationKey])
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	7:36:09 AM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

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

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_SalesManagers	SalesManagerKey	True

Foreign Keys

Name	Columns
FK_SalesManagers_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

```
CREATE TABLE [CH01-01-Dimension].[SalesManagers]

(
[SalesManagerKey] [int] NOT NULL CONSTRAINT [DF_SalesManagers_SalesManagerKey] DEFAULT
```

```
(NEXT VALUE FOR [PkSequence].[SalesManagersSequenceObject]),
[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] NULL,
[UserAuthorizationKey] [int] 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_SalesManagers_User-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-Authorization] ([UserAuthorizationKey])
```

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

Used By

[CH01-01-Fact].[Data]
[G10_E].[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	8:59:58 PM Wednesday, December 02, 2015
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK <mark>P</mark> 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	NULL allowed	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK	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_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

```
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,
```

```
[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] 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]
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimCustomer] FOREIGN KEY
([CustomerKey]) REFERENCES [CH01-01-Dimension].[DimCustomer] ([CustomerKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimGender] FOREIGN KEY
([Gender]) REFERENCES [CH01-01-Dimension].[DimGender] ([Gender])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimMaritalStatus] FOREIGN KEY
([MaritalStatus]) REFERENCES [CH01-01-Dimension].[DimMaritalStatus] ([MaritalStatus])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimOccupation] FOREIGN KEY
([OccupationKey]) REFERENCES [CH01-01-Dimension].[DimOccupation] ([OccupationKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimOrderDate] FOREIGN KEY
([OrderDate]) REFERENCES [CH01-01-Dimension].[DimOrderDate] ([OrderDate])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimProduct] FOREIGN KEY
([ProductKey]) REFERENCES [CH01-01-Dimension].[DimProduct] ([ProductKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data DimTerritory] FOREIGN KEY
([TerritoryKey]) REFERENCES [CH01-01-Dimension].[DimTerritory] ([TerritoryKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data SalesManagers] FOREIGN KEY
([SalesManagerKey]) REFERENCES [CH01-01-Dimension].[SalesManagers] ([SalesManagerKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data UserAuthorization] FOREIGN
KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey])
```

[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

[G10_E].[uvw_FactData]

[Project2].[Load_Data]

[Project2].[ShowTableStatusRowCount]

[Project2].[TruncateStarSchemaData]

■ [DbSecurity].[UserAuthorization]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	7
Created	3:49:46 PM Friday, April 08, 2022
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK <mark>P</mark> C	UserAuthorizationKey	int	4	NOT NULL	(NEXT VALUE FOR [PkSequence].[User-Authorization-SequenceObject])
	ClassTime	nchar(5)	10	NOT NULL	
	IndividualProject	nvarchar(60)	120	NULL allowed	
	GroupMemberLastName	nvarchar(35)	70	NOT NULL	
	GroupMemberFirstName	nvarchar(25)	50	NOT NULL	
	GroupName	nvarchar(20)	40	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	

Indexes

Key	Name	Key Columns	Unique
PK C	PK_UserAuth0FEC36CB69FE13C9	UserAuthorizationKey	True

```
CREATE TABLE [DbSecurity].[UserAuthorization]

(
[UserAuthorizationKey] [int] NOT NULL CONSTRAINT [DF_UserAuthorization_User-AuthorizationKey] DEFAULT (NEXT VALUE FOR [PkSequence].[UserAuthorizationSequence-Object]),

[ClassTime] [nchar] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[IndividualProject] [nvarchar] (60) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[GroupMemberLastName] [nvarchar] (35) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[GroupMemberFirstName] [nvarchar] (25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[GroupName] [nvarchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[DateAdded] [datetime2] NULL
```

```
ON [PRIMARY]

GO

ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK_User-Auth__OFEC36CB69FE13C9] PRIMARY KEY CLUSTERED ([UserAuthorizationKey]) ON [PRIMARY]

GO
```

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]

[Project2].[ShowTableStatusRowCount]

■ [FileUpload].[OriginallyLoadedData]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Неар	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

```
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]
GΩ
```

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_DimTerritory]
```

■ [FileUpload].[ProductCategories]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Неар	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
Неар	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 (~)	177
Created	3:49:46 PM Friday, April 08, 2022
Last Modified	1:33:27 AM Monday, April 11, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK/C	WorkFlowStepKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk- Sequence].[Wo rkFlowSteps- Sequence- Object])
	WorkFlowStepDescription	nvarchar(100)	200	NOT NULL	
	WorkFlowStepTableRowCount	int	4	NULL allowed	
	StartingDateTime	datetime2	8	NULL allowed	
	EndingDateTime	datetime2	8	NULL allowed	
	Class Time	char(5)	5	NULL allowed	
FK	UserAuthorizationKey	int	4	NOT NULL	

Indexes

Key	Name	Key Columns	Unique
PKP C	PKWorkflow27726CBF67686EAC	WorkFlowStepKey	True

Foreign Keys

Name	Columns
FK_WorkFlowSteps_UserAuthorization	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[User-AuthorizationKey]

SQL Script

CREATE TABLE [Process].[WorkflowSteps]

```
[WorkFlowStepKey] [int] NOT NULL CONSTRAINT [DF_WorkflowSteps_WorkFlowStepKey] DEFAULT (NEXT VALUE FOR [PkSequence].[WorkFlowStepsSequenceObject]),
[WorkFlowStepDescription] [nvarchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[WorkFlowStepTableRowCount] [int] NULL,
[StartingDateTime] [datetime2] NULL,
[EndingDateTime] [datetime2] NULL,
[Class Time] [char] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NOT NULL
) ON [PRIMARY]

GO

ALTER TABLE [Process].[WorkflowSteps] ADD CONSTRAINT [PK_Workflow_27726CBF67686EAC]
PRIMARY KEY CLUSTERED ([WorkFlowStepKey]) ON [PRIMARY]

GO

ALTER TABLE [Process].[WorkflowSteps] ADD CONSTRAINT [FK_WorkFlowSteps_User-Authorization] FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[User-Authorization] ([UserAuthorizationKey])
```

Uses

[DbSecurity].[UserAuthorization] Process

Used By

[Process].[usp_ShowWorkflowSteps] [Process].[usp_TrackWorkFlow] [Project2].[ShowTableStatusRowCount]

■ Views

Objects

Name
G10_E.uvw_DimCustomer
G10_E.uvw_DimGender
G10_E.uvw_DimMaritalStatus
G10_E.uvw_DimOccupation
G10_E.uvw_DimOrderDate
G10_E.uvw_DimProduct
G10_E.uvw_DimProductCategory
G10_E.uvw_DimProductSubCategory
G10_E.uvw_DimTerritory
G10_E.uvw_FactData
G10_E.uvw_SalesManagers
Utils.ShowServerUserNameAndCurrentDatabase
Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint
Utils.uvw_FindTablesStorageBytes

[G10_E].[uvw_DimCustomer]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:26 AM Monday, April 11, 2022
Last Modified	1:33:26 AM Monday, April 11, 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 [G10_E].[uvw_DimCustomer] AS

SELECT CustomerKey, CustomerName, UserAuthorizationKey, DateAdded, DateofLast-
Update

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

GO
```

Uses

[CH01-01-Dimension].[DimCustomer] G10_E

[G10_E].[uvw_DimGender]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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 [G10_E].[uvw_DimGender] AS

SELECT Gender, GenderDescription, UserAuthorizationKey, DateAdded, DateofLast-
Update

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

GO
```

Uses

[CH01-01-Dimension].[DimGender] G10_E

[G10_E].[uvw_DimMaritalStatus]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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 [G10_E].[uvw_DimMaritalStatus] AS

SELECT MaritalStatus, MaritalStatusDescription, UserAuthorizationKey, DateAdded,
DateOfLastUpdate

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

GO
```

Uses

 $\label{lem:cho1-Dimension} \begin{tabular}{ll} $[CH01$-01-$Dimension]. [DimMaritalStatus] \\ $G10_E$ \end{tabular}$

Used By

[Project2].[Load_DimMaritalStatus]

[G10_E].[uvw_DimOccupation]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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 [G10_E].[uvw_DimOccupation] AS

SELECT OccupationKey,Occupation,UserAuthorizationKey,DateAdded,DateOfLastUpdate
FROM [CH01-01-Dimension].[DimOccupation]

G0
```

Uses

 $\begin{tabular}{ll} $[CH01$-01$-Dimension]. [DimOccupation] \\ $G10_E$ \end{tabular}$

Used By

[Project2].[Load_DimOccupation]

[G10_E].[uvw_DimOrderDate]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 2022

Columns

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

SQL Script

```
CREATE VIEW [G10_E].[uvw_DimOrderDate] AS

SELECT OrderDate, MonthName, MonthNumber, UserAuthorizationKey, DateAdded, DateOf-
LastUpdate

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

GO
```

Uses

[CH01-01-Dimension].[DimOrderDate] G10_E

Used By

[Project2].[Load_DimOrderDate]

[G10_E].[uvw_DimProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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 [G10_E].[uvw_DimProduct] AS

SELECT

ProductKey,
ProductSubcategoryKey,
ProductCategory,
ProductSubcategory,
ProductCode,
ProductName,
Color,
ModelName,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
```

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

GO

Uses

[CH01-01-Dimension].[DimProduct] G10_E

Used By

[Project2].[Load_DimProduct]

[G10_E].[uvw_DimProductCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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 [G10_E].[uvw_DimProductCategory] AS

SELECT ProductCategoryKey, ProductCategory, UserAuthorizationKey, DateAdded, DateOf-
LastUpdate

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

GO
```

Uses

 $\label{lem:condition} \begin{tabular}{ll} $[CH01$-01$-Dimension]. [DimProductCategory] \\ $G10_E$ \end{tabular}$

Used By

[Project2].[Load_DimProductCategory]

[G10_E].[uvw_DimProductSubCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 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

```
CREATE VIEW [G10_E].[uvw_DimProductSubCategory] AS

SELECT ProductSubCategoryKey, ProductCategoryKey, ProductSubcategory, User-
AuthorizationKey, DateAdded, DateOfLastUpdate

FROM [CH01-01-Dimension].[DimProductSubCategory]

G0
```

Uses

 $\label{lem:condition} \begin{tabular}{ll} $[CH01$-01$-Dimension]. [DimProductSubCategory] \\ $G10_E$ \end{tabular}$

Used By

[Project2].[Load_DimProductSubCategory]

[G10_E].[uvw_DimTerritory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:26 AM Monday, April 11, 2022
Last Modified	1:33:26 AM Monday, April 11, 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 [G10_E].[uvw_DimTerritory] AS

SELECT TerritoryKey, TerritoryGroup, TerritoryCountry, TerritoryRegion,

UserAuthorizationKey, DateAdded, DateofLastUpdate

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

GO
```

Uses

 $\label{eq:cho1-o1-dimension} \begin{tabular}{ll} $[CH01-01-Dimension].[DimTerritory] \\ $G10_E$ \end{tabular}$

[G10_E].[uvw_FactData]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:27 AM Monday, April 11, 2022
Last Modified	1:33:27 AM Monday, April 11, 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 [G10_E].[uvw_FactData] AS SELECT
       Saleskey,
       SalesManagerKey,
       OccupationKey,
       TerritoryKey,
       ProductKey,
       CustomerKey,
       ProductCategory,
       SalesManager,
       ProductSubcategory,
       ProductCode,
       ProductName,
       Color,
       ModelName,
       OrderQuantity,
       UnitPrice,
       ProductStandardCost,
        SalesAmount,
       OrderDate,
        [MonthName],
       MonthNumber,
        [Year],
       CustomerName,
       MaritalStatus,
        Gender,
       Education,
       Occupation,
       TerritoryRegion,
       TerritoryCountry,
       TerritoryGroup,
       UserAuthorizationKey,
        DateAdded,
        DateOfLastUpdate
   FROM [CH01-01-Fact].[Data]
GO
```

Uses

[CH01-01-Fact].[Data] G10_E

[G10_E].[uvw_SalesManagers]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	1:33:25 AM Monday, April 11, 2022
Last Modified	1:33:25 AM Monday, April 11, 2022

Columns

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

SQL Script

```
CREATE VIEW [G10_E].[uvw_SalesManagers] AS

SELECT SalesManagerKey, SalesManager, Category, Office, UserAuthorizationKey, Date-
Added, DateOfLastUpdate

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

GO
```

Uses

[CH01-01-Dimension].[SalesManagers] G10_E

Used By

[Project2].[Load_SalesManagers]

[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

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 02, 2015
Last Modified	4:39:32 PM Wednesday, December 02, 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

```
--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
```

```
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
      ( SELECT TABLE CATALOG ,
FROM
                  TABLE SCHEMA ,
                   TABLE_NAME ,
                   TABLE TYPE
                  INFORMATION SCHEMA. TABLES
         FROM
        ) 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
                                   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 05, 2017
Last Modified	7:05:38 AM Tuesday, September 05, 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)
```

Uses

 $[Utils]. [uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint] \\ Utils$

■ Stored Procedures

Objects

Name
Process.usp_ShowWorkflowSteps
Process.usp_TrackWorkFlow
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.DropProcsInCSCl331FinalProject

Project > localhost,13001 > User databases > G10_E > Programmability > Stored Procedures > Process.usp_Show-WorkflowSteps



Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
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 *

FROM Process.WorkFlowSteps;

END

GO
```

Uses

[Process].[WorkflowSteps]

Process

[Process].[usp_TrackWorkFlow]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@WorkflowDescription	nvarchar(100)	200
@WorkFlowStepTableRowCount	int	4
@StartingDateTime	datetime2	8
@EndingDateTime	datetime2	8
@UserAuthorizationKey	int	4

SQL Script

```
CREATE PROCEDURE [Process].[usp_TrackWorkFlow]
   -- Add the parameters for the stored procedure here
   @WorkflowDescription NVARCHAR (100),
   @WorkFlowStepTableRowCount INT,
   @StartingDateTime DATETIME2,
   @EndingDateTime DATETIME2,
   @UserAuthorizationKey INT
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,
       [Class Time],
       UserAuthorizationKey
   )
   VALUES
   (@WorkflowDescription, @WorkFlowStepTableRowCount, @StartingDateTime, @EndingDate-
Time, '10:45',
    @UserAuthorizationKey);
```

Project > localhost,13001 > User databases > G10_E > Programmability > Stored Procedures > Process.usp_Track-WorkFlow

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]

[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

```
-- Author: Akashdeep Singh
-- Create date: 4/4/22
-- Description: Drop the Foreign Keys from 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 @StartingDateTime DATETIME2 = SYSDATETIME();
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD CONSTRAINT FK Data DimCustomer
       FOREIGN KEY (CustomerKey)
   REFERENCES [CH01-01-Dimension].DimCustomer (CustomerKey);
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD CONSTRAINT FK Data DimGender
       FOREIGN KEY (Gender)
   REFERENCES [CH01-01-Dimension].DimGender (Gender);
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD CONSTRAINT FK Data DimMaritalStatus
       FOREIGN KEY (MaritalStatus)
   REFERENCES [CH01-01-Dimension].DimMaritalStatus (MaritalStatus);
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD CONSTRAINT FK Data DimOccupation
```

```
FOREIGN KEY (OccupationKey)
REFERENCES [CH01-01-Dimension].DimOccupation (OccupationKey);
ALTER TABLE [CH01-01-Fact].[Data]
ADD CONSTRAINT FK Data DimOrderDate
   FOREIGN KEY (OrderDate)
REFERENCES [CH01-01-Dimension].DimOrderDate (OrderDate);
ALTER TABLE [CH01-01-Fact].[Data]
ADD CONSTRAINT FK Data DimProduct
   FOREIGN KEY (ProductKey)
REFERENCES [CH01-01-Dimension].DimProduct (ProductKey);
ALTER TABLE [CH01-01-Fact].[Data]
ADD CONSTRAINT FK Data DimTerritory
   FOREIGN KEY (TerritoryKey)
        REFERENCES [CH01-01-Dimension].DimTerritory (TerritoryKey);
ALTER TABLE [CH01-01-Fact].[Data]
ADD CONSTRAINT FK Data SalesManagers
    FOREIGN KEY (SalesManagerKey)
REFERENCES [CH01-01-Dimension].SalesManagers (SalesManagerKey);
ALTER TABLE [CH01-01-Dimension].[DimProduct]
ADD CONSTRAINT FK DimProduct DimProductSubCategory
   FOREIGN KEY (ProductSubcategoryKey)
REFERENCES [CH01-01-Dimension].DimProductSubCategory (ProductSubCategoryKey);
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].DimCustomer
ADD CONSTRAINT FK DimCustomer UserAuthorization
   FOREIGN KEY (UserAuthorizationKey)
REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
ALTER TABLE [CH01-01-Dimension].DimGender
ADD CONSTRAINT FK DimGender UserAuthorization
   FOREIGN KEY (UserAuthorizationKey)
REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
ALTER TABLE [CH01-01-Dimension].DimMaritalStatus
ADD CONSTRAINT FK_DimMaritalStatus_UserAuthorization
   FOREIGN KEY (UserAuthorizationKey)
REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
ALTER TABLE [CH01-01-Dimension].DimOccupation
ADD CONSTRAINT FK DimOccupation UserAuthorization
    FOREIGN KEY (UserAuthorizationKey)
REFERENCES [DbSecurity].UserAuthorization (UserAuthorizationKey);
```

```
ALTER TABLE [CH01-01-Dimension].DimOrderDate
   ADD CONSTRAINT FK DimOrderDate UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Dimension].DimProduct
   ADD CONSTRAINT FK DimProduct UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Dimension].DimProductCategory
   ADD CONSTRAINT FK DimProductCategory UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity].UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Dimension].DimProductSubCategory
   ADD CONSTRAINT FK DimProductSubCategory UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Dimension].DimTerritory
   ADD CONSTRAINT FK DimTerritory UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity].UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Dimension].SalesManagers
   ADD CONSTRAINT FK SalesManagers UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [CH01-01-Fact].Data
   ADD CONSTRAINT FK Data UserAuthorization
      FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   ALTER TABLE [Process].[WorkflowSteps]
   ADD CONSTRAINT FK WorkFlowSteps UserAuthorization
       FOREIGN KEY (UserAuthorizationKey)
   REFERENCES [DbSecurity]. UserAuthorization (UserAuthorizationKey);
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC [Process].[usp TrackWorkFlow] 'Add Foreign Keys', @WorkFlowStepTableRowCount,
@StartingDateTime, @EndingDateTime, @UserAuthorizationKey;
END;
GO
```

ForeignKeysToStarSchemaData			
Uses			
[Process].[usp_TrackWorkFlow] 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

Author: chang

```
-- Author: Akashdeep Singh
-- Create date: 4/4/22
-- 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 @StartingDateTime DATETIME2 = SYSDATETIME();
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimCustomer;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimGender;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimMaritalStatus;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimOccupation;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimOrderDate;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimProduct;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data DimTerritory;
   ALTER TABLE [CH01-01-Fact].[Data] DROP CONSTRAINT FK Data SalesManagers;
   ALTER TABLE [CH01-01-Dimension].[DimProduct] DROP CONSTRAINT FK DimProduct Dim-
ProductSubCategory;
   ALTER TABLE [CH01-01-Dimension].[DimProductSubCategory] DROP CONSTRAINT FK_Dim-
ProductSubCategory DimProductCategory;
   ALTER TABLE [CH01-01-Dimension].DimCustomer DROP CONSTRAINT FK DimCustomer User-
   ALTER TABLE [CH01-01-Dimension].DimGender DROP CONSTRAINT FK DimGender User-
Authorization;
   ALTER TABLE [CH01-01-Dimension].DimMaritalStatus DROP CONSTRAINT FK_DimMarital-
```

```
Status UserAuthorization;
   ALTER TABLE [CH01-01-Dimension].DimOccupation DROP CONSTRAINT FK DimOccupation User-
Authorization;
   ALTER TABLE [CH01-01-Dimension].DimOrderDate DROP CONSTRAINT FK DimOrderDate User-
Authorization;
   ALTER TABLE [CH01-01-Dimension].DimProduct DROP CONSTRAINT FK DimProduct User-
Authorization;
   ALTER TABLE [CH01-01-Dimension].DimProductCategory DROP CONSTRAINT FK DimProduct-
Category_UserAuthorization;
   ALTER TABLE [CH01-01-Dimension].DimProductSubCategory DROP CONSTRAINT FK DimProduct-
SubCategory_UserAuthorization;
   ALTER TABLE [CH01-01-Dimension].DimTerritory DROP CONSTRAINT FK DimTerritory User-
Authorization;
   ALTER TABLE [CH01-01-Dimension].SalesManagers DROP CONSTRAINT FK SalesManagers User-
Authorization;
   ALTER TABLE [CH01-01-Fact].Data DROP CONSTRAINT FK Data UserAuthorization;
   ALTER TABLE [Process].[WorkflowSteps] DROP CONSTRAINT FK WorkFlowSteps User-
Authorization;
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC [Process].[usp_TrackWorkFlow] 'Drop Foreign Keys', @WorkFlowStepTableRowCount,
@StartingDateTime, @EndingDateTime, @UserAuthorizationKey;
END;
GO
```

[Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_Data]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Akashdeep Singh
-- Create date: 4/4/22
-- Description: Populate/Load in Data Table
-- @GroupMemberUserAuthorizationKey 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 @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Fact].[Data] (
       SalesKey,
       SalesManagerKey,
       OccupationKey,
       TerritoryKey,
```

```
ProductKey,
   CustomerKey,
    ProductCategory,
    SalesManager,
    ProductSubcategory,
    ProductCode,
    ProductName,
   Color,
   ModelName,
    OrderQuantity,
   UnitPrice,
    ProductStandardCost,
    SalesAmount,
    OrderDate,
    [MonthName],
   MonthNumber,
    [Year],
   CustomerName,
   MaritalStatus,
   Gender,
    Education,
   Occupation,
    TerritoryRegion,
    TerritoryCountry,
   TerritoryGroup,
    UserAuthorizationKey,
    DateAdded,
    DateOfLastUpdate
SELECT DISTINCT
   old.Saleskey,
    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,
        @DateAdded,
        @DateOfLastUpdate
   FROM
        FileUpload.OriginallyLoadedData AS old
        LEFT JOIN [CH01-01-Dimension].DimProduct AS dp
            ON dp.ProductName = old.ProductName AND dp.ProductCode = old.ProductCode
        LEFT 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].DimCustomer AS dc
            ON dc.CustomerName = old.CustomerName LEFT JOIN
        [CH01-01-Dimension].SalesManagers AS sm
            ON sm.SalesManager = old.SalesManager AND sm.Category = old.Product-
Subcategory
        LEFT JOIN [CH01-01-Dimension]. DimOccupation AS do
            ON do.Occupation = old.Occupation
    -- View for the New Table
   EXEC ('DROP VIEW IF EXISTS G10_E.uvw_FactData');
    EXEC ('CREATE VIEW G10 E.uvw FactData AS SELECT
        Saleskey,
        SalesManagerKey,
        OccupationKey,
        TerritoryKey,
        ProductKey,
        CustomerKey,
        ProductCategory,
        SalesManager,
        ProductSubcategory,
        ProductCode,
        ProductName,
        Color,
        ModelName,
        OrderQuantity,
        UnitPrice,
        ProductStandardCost,
        SalesAmount,
        OrderDate,
        [MonthName],
        MonthNumber,
        [Year],
        CustomerName,
        MaritalStatus,
        Gender,
        Education,
        Occupation,
```

```
TerritoryRegion,
       TerritoryCountry,
        TerritoryGroup,
        UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   FROM [CH01-01-Fact].[Data] ');
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Fact].[Data]);
   EXEC [Process].[usp_TrackWorkFlow] 'Procedure: [Project2].[Load_Data]
populates/loads data into [CH01-01-Fact].[Data]', @WorkFlowStepTableRowCount, @Starting-
DateTime, @EndingDateTime, @UserAuthorizationKey;
END;
GO
```

[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_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimCustomer]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Michael Chang
-- Create date: 4/4/2022
-- Description: Populate the DimCustomer table with Procedure Project2.Load_Dim-
CREATE PROCEDURE [Project2].[Load DimCustomer] @UserAuthorizationKey INT
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
       SET @DateAdded = SYSDATETIME();
   DECLARE @DateofLastUpdate DATETIME2;
       SET @DateofLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
       SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].[DimCustomer]
       (CustomerName, UserAuthorizationKey, DateAdded, DateofLastUpdate)
   SELECT DISTINCT CustomerName, @UserAuthorizationKey, @DateAdded, @DateofLastUpdate
   FROM FileUpload.OriginallyLoadedData
   ---New Table View ---
```

```
EXEC('DROP VIEW IF EXISTS G10 E.uvw DimCustomer')
   EXEC('CREATE VIEW G10 E.uvw DimCustomer AS
        SELECT CustomerKey, CustomerName, UserAuthorizationKey, DateAdded, DateofLast-
Update
         FROM [CH01-01-Dimension].[DimCustomer]')
   ---WorkFlow Steps Entry ---
   DECLARE @EndingDateTime DATETIME2;
   set @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Dimension].Dim-
Customer);
   EXEC [Process].[usp_TrackWorkFlow]
        'Procedure [Project2].[LoadDimCustomer] loads data into table [CH-01-
Dimension].[DimCustomer]',
        @WorkFlowStepTableRowCount,
       @StartingDateTime,
       @EndingDateTime,
        @UserAuthorizationKey
   ---Visualize View---
   EXEC('SELECT * FROM G10 E.uvw DimCustomer')
END
GO
```

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

Used By

[Project2].[Load_DimGender]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Michael Chang
-- Create date: 4/5/2022
-- Description: Populate the DimGender Table with Procedure Project2.Load_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 @DateAdded DATETIME2;
       SET @DateAdded = SYSDATETIME();
   DECLARE @DateofLastUpdate DATETIME2;
       SET @DateofLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
       SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].[DimGender]
       (Gender, GenderDescription, UserAuthorizationKey, DateAdded, DateofLastUpdate)
   SELECT DISTINCT Gender,
                   CASE Gender WHEN 'M' THEN 'Male'
                               ELSE 'Female'
                   END AS GenderDescription,
                   @UserAuthorizationKey,
                   @DateAdded,
                   @DateofLastUpdate
   FROM FileUpload.OriginallyLoadedData
```

```
---New Table View ---
   EXEC('DROP VIEW IF EXISTS G10 E.uvw DimGender')
   EXEC ('CREATE VIEW G10 E.uvw DimGender AS
        SELECT Gender, GenderDescription, UserAuthorizationKey, DateAdded, DateofLast-
Update
        FROM [CH01-01-Dimension].[DimGender]')
---WorkFlow Steps Entry ---
   DECLARE @EndingDateTime DATETIME2;
   set @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Dimension].Dim-
Gender);
   EXEC [Process].[usp TrackWorkFlow]
        'Procedure [Project2].[LoadDimGender] loads data into table [CH-01-
Dimension].[DimGender]',
       @WorkFlowStepTableRowCount,
        @StartingDateTime,
       @EndingDateTime,
        @UserAuthorizationKey
   ---Visualize View---
   EXEC('SELECT * FROM G10 E.uvw DimGender')
END;
GO
```

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

Used By

[Project2].[Load_DimMaritalStatus]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Carlos Salinas
-- Procedure: Project2.Load_DimMartialStatus
-- Create date: 04/07/2022
-- Description: Loading the data from fileupload to DimMartialStatus
CREATE PROCEDURE [Project2].[Load DimMaritalStatus] @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].DimMaritalStatus
       MaritalStatus,
       MaritalStatusDescription,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
    SELECT DISTINCT
       MaritalStatus,
       CASE WHEN MaritalStatus = 'M' THEN 'Married'
```

```
ELSE
            'Single'
       END AS MaritalStatusDescription,
        @UserAuthorizationKey, @DateAdded, @DateOfLastUpdate
   FROM FileUpload.OriginallyLoadedData;
   EXEC ('DROP VIEW IF EXISTS G10 E.uvw DimMaritalStatus');
   EXEC ('
   CREATE VIEW G10 E.uvw DimMaritalStatus AS
   SELECT MaritalStatus, MaritalStatusDescription, UserAuthorizationKey, DateAdded,
DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimMaritalStatus]');
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount =
       SELECT COUNT (*)
       FROM [CH01-01-Dimension].DimMaritalStatus
   EXEC [Process].[usp_TrackWorkFlow]
        'Procedure: [Project2].[Load MaritalStatus] loads data into [CH01-01-
Dimension].[DimMaritalStatus]',
       @WorkFlowStepTableRowCount,
        @StartingDateTime,
        @EndingDateTime,
        @UserAuthorizationKey;
   SELECT *
   FROM G10 E.uvw DimMaritalStatus;
END;
GO
```

[CH01-01-Dimension].[DimMaritalStatus] [FileUpload].[OriginallyLoadedData] [G10_E].[uvw_DimMaritalStatus] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimOccupation]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Carlos Salinas
-- Procedure: Project2.Load_DimOccuapation
-- Create date: 04/07/2022
-- Description: Loading the data from fileupload to DimOccupation
CREATE PROCEDURE [Project2].[Load_DimOccupation]@UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].[DimOccupation]
       Occupation,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   SELECT DISTINCT FileUpload.OriginallyLoadedData.Occupation, @UserAuthorizationKey,
@DateAdded, @DateOfLastUpdate
```

```
FROM FileUpload.OriginallyLoadedData
   EXEC('DROP VIEW IF EXISTS G10_E.uvw_DimOccupation')
   EXEC (
   'CREATE VIEW G10 E.uvw DimOccupation AS
   SELECT OccupationKey, Occupation, UserAuthorizationKey, DateAdded, DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimOccupation]')
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME()
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount =
        (
       SELECT COUNT (*)
       FROM [CH01-01-Dimension].DimOccupation
       );
   EXEC [Process].[usp_TrackWorkFlow]
        'Procedure: [Project2].[Load DimOccupation] loads data into [CH01-01-
Dimension].[DimOccupation]',
       @WorkFlowStepTableRowCount,
       @StartingDateTime,
       @EndingDateTime,
        @UserAuthorizationKey
   SELECT *
   FROM G10 E.uvw DimOccupation;
END
GO
```

[CH01-01-Dimension].[DimOccupation] [FileUpload].[OriginallyLoadedData] [G10_E].[uvw_DimOccupation] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimOrderDate]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Carlos Salinas
-- Procedure: Project2.Load_DimOrderDate
-- Create date: 04/07/2022
-- Description: Loading the data from fileupload to DimOrderDate
CREATE PROCEDURE [Project2].[Load DimOrderDate]@UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].[DimOrderDate]
       OrderDate,
       [MonthName],
       MonthNumber,
        [Year],
       UserAuthorizationKey,
        DateAdded,
       DateOfLastUpdate
```

```
)
   SELECT DISTINCT OrderDate, [MonthName], MonthNumber, [Year], @UserAuthorizationKey,
@DateAdded, @DateOfLastUpdate
   FROM FileUpload.OriginallyLoadedData
   EXEC('DROP VIEW IF EXISTS G10 E.uvw DimOrderDate')
   EXEC (
   'CREATE VIEW G10 E.uvw DimOrderDate AS
   SELECT OrderDate, MonthName, MonthNumber, UserAuthorizationKey, DateAdded, DateOf-
LastUpdate
   FROM [CH01-01-Dimension].[DimOrderDate]')
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME()
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Dimension].DimOrder-
Date);
   EXEC [Process].[usp_TrackWorkFlow]
        'Procedure: [Project2].[Load DimOrderDate] loads data into [CH01-01-
Dimension].[DimOrderDate]',
       @WorkFlowStepTableRowCount,
        @StartingDateTime,
       @EndingDateTime,
        @UserAuthorizationKey
   SELECT *
   FROM G10_E.uvw_DimOrderDate;
END
GO
```

[CH01-01-Dimension].[DimOrderDate] [FileUpload].[OriginallyLoadedData] [G10_E].[uvw_DimOrderDate] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimProduct]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Jay Mistry
-- Procedure: Project2.Load DimProduct
-- Create date: 04/07/2022
-- Description: Loading the data from fileupload to 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 @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   -- Insert statements for procedure here
   INSERT INTO [CH01-01-Dimension].[DimProduct] (
       ProductSubcategoryKey
       , ProductCategory
       , ProductSubcategory
       , ProductCode
       , ProductName
       ,Color
```

```
,ModelName
         ,UserAuthorizationKey
         ,DateAdded
         ,DateOfLastUpdate
    SELECT DISTINCT PSC.ProductSubcategoryKey
         ,OG.ProductCategory
         , PSC.ProductSubcategory
        ,OG.ProductCode
         ,OG.ProductName
         ,OG.Color
        ,OG.ModelName
         ,@UserAuthorizationKey
         ,@DateAdded
        ,@DateOfLastUpdate
    FROM FileUpload.OriginallyLoadedData AS OG
     \begin{tabular}{llll} FULL & \verb"JOIN" [CH01-01-Dimension].[DimProductSubCategory] & AS & PSC & ON & OG.[Product-Dimension].[DimProductSubCategory] & AS & PSC & ON & OG.[Product-DimProductSubCategory]. \\ \end{tabular} 
Subcategory] = PSC.[ProductSubcategory];
    ---VIEW for NEW Table---
    EXEC (
    DROP VIEW IF EXISTS G10 E.uvw DimProduct'
           );
    EXEC (
    CREATE VIEW G10 E.uvw DimProduct AS
    SELECT
        ProductKey,
        ProductSubcategoryKey,
        ProductCategory,
        ProductSubcategory,
        ProductCode,
        ProductName,
        Color,
        ModelName,
        UserAuthorizationKey,
        DateAdded,
        DateOfLastUpdate
    FROM [CH01-01-Dimension].[DimProduct] '
             );
    ---VIEW for NEW Table--
    DECLARE @EndingDateTime DATETIME2;
    SET @EndingDateTime = SYSDATETIME();
    DECLARE @WorkFlowStepTableRowCount INT;
    SET @WorkFlowStepTableRowCount = (
             SELECT COUNT (*)
             FROM [CH01-01-Dimension].[DimProduct]
             );
```

Project > localhost,13001 > User databases > G10_E > Programmability > Stored Procedures > Project2.Load_Dim-Product

Uses

[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimProductSubCategory]
[FileUpload].[OriginallyLoadedData]
[G10_E].[uvw_DimProduct]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimProductCategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Jay Mistry
-- Procedure: Project2.Load DimProductCategory
-- Create date: 04/08/2022
-- Description: Loads Product Categories into [CH01-01-Dimension].[DimProduct-
Category] from [FileUpload].[OriginallyLoadedData]
-- -----
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 @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
  DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].DimProductCategory (
      ProductCategory
       ,UserAuthorizationKey
       ,DateAdded
       ,DateOfLastUpdate
   SELECT DISTINCT ProductCategory
```

```
,@UserAuthorizationKey
        ,@DateAdded
        ,@DateOfLastUpdate
   FROM [FileUpload].[OriginallyLoadedData];
   ---VIEW for NEW Table---
   EXEC (
   DROP VIEW IF EXISTS G10 E.uvw DimProductCategory'
           );
   EXEC (
   CREATE VIEW G10 E.uvw DimProductCategory AS
   SELECT ProductCategoryKey, ProductCategory, UserAuthorizationKey, DateAdded, DateOf-
LastUpdate
   FROM [CH01-01-Dimension].[DimProductCategory] '
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (
           SELECT COUNT(*)
            FROM [CH01-01-Dimension].DimProductCategory
            );
   EXEC [Process].[usp TrackWorkFlow] 'Procedure: [Project2].[Load DimProductCategory]
loads data into [CH01-01-Dimension].[DimProductCategory]'
        ,@WorkFlowStepTableRowCount
        ,@StartingDateTime
        ,@EndingDateTime
        ,@UserAuthorizationKey;
   SELECT *
   FROM G10 E.uvw DimProductCategory;
END
GO
```

[CH01-01-Dimension].[DimProductCategory]
[FileUpload].[OriginallyLoadedData]
[G10_E].[uvw_DimProductCategory]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimProductSubCategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author:
              Jay Mistry
-- Procedure: Project2.Load DimProductSubCategory
-- Create date: 04/08/2022
-- Description: Loads Product SubCategory data into [CH01-01-Dimension].[DimProduct-
SubCategory] from [FileUpload].[OriginallyLoadedData]
-- -----
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 @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
  DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].DimProductSubcategory (
       ProductCategoryKey
       , ProductSubcategory
       ,UserAuthorizationKey
       ,DateAdded
       ,DateOfLastUpdate
```

```
SELECT DISTINCT DPC.ProductCategoryKey
        , ProductSubcategory
        ,@UserAuthorizationKey
        ,@DateAdded
        ,@DateOfLastUpdate
   FROM [FileUpload].[OriginallyLoadedData] AS OG
   INNER JOIN [CH01-01-Dimension].DimProductCategory AS DPC ON DPC.ProductCategory =
OG. ProductCategory
   ORDER BY OG. ProductSubcategory;
   ---VIEW for NEW Table---
   EXEC (
   DROP VIEW IF EXISTS G10 E.uvw DimProductSubCategory'
           );
   EXEC (
   CREATE VIEW G10 E.uvw DimProductSubCategory AS
   SELECT ProductSubCategoryKey, ProductCategoryKey, ProductSubcategory, User-
AuthorizationKey, DateAdded, DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimProductSubCategory] '
           );
   ---VIEW for NEW Table--
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (
            SELECT COUNT (*)
            FROM [CH01-01-Dimension].DimProductSubCategory
   EXEC [Process].[usp TrackWorkFlow] 'Procedure: [Project2].[Load DimProductSub-
Category] loads data into [CH01-01-Dimension].[DimProductSubCategory]'
        ,@WorkFlowStepTableRowCount
        ,@StartingDateTime
        ,@EndingDateTime
        ,@UserAuthorizationKey;
   SELECT *
   FROM G10 E.uvw DimProductSubCategory;
END;
GO
```

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

 $\label{local-project} Project > localhost, 13001 > User \ databases > G10_E > Programmability > Stored \ Procedures > Project2. Load_Dim-ProductSubCategory$

[FileUpload].[OriginallyLoadedData]
[G10_E].[uvw_DimProductSubCategory]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimTerritory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Michael Chang
-- Create date: 4/5/2022
-- Description: Populate the DimTerritory table with procedure Project2.Load_Dim-
-- ------
CREATE PROCEDURE [Project2]. [Load DimTerritory] @UserAuthorizationKey INT
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
     SET @DateAdded = SYSDATETIME();
   DECLARE @DateofLastUpdate DATETIME2;
      SET @DateofLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
      SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [CH01-01-Dimension].[DimTerritory]
       (TerritoryGroup, TerritoryCountry, TerritoryRegion, UserAuthorizationKey, Date-
Added, DateofLastUpdate)
   SELECT DISTINCT TerritoryGroup, TerritoryCountry, TerritoryRegion, @User-
AuthorizationKey, @DateAdded, @DateofLastUpdate
   FROM FileUpload.OriginallyLoadedData
   ---New Table View ---
```

```
EXEC('DROP VIEW IF EXISTS G10 E.uvw DimTerritory')
   EXEC('CREATE VIEW G10 E.uvw DimTerritory AS
        SELECT TerritoryKey, TerritoryGroup, TerritoryCountry, TerritoryRegion,
               UserAuthorizationKey, DateAdded, DateofLastUpdate
        FROM [CH01-01-Dimension].[DimTerritory]')
   ---WorkFlow Steps Entry ---
   DECLARE @EndingDateTime DATETIME2;
   set @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Dimension].Dim-
Territory);
   EXEC [Process].[usp TrackWorkFlow]
        'Procedure [Project2].[LoadDimTerritory] loads data into table [CH-01-
Dimension].[DimTerritory]',
       @WorkFlowStepTableRowCount,
       @StartingDateTime,
       @EndingDateTime,
       @UserAuthorizationKey
        ---Visualize View---
   EXEC('SELECT * FROM G10 E.uvw DimTerritory')
   END
GO
```

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

Used By

[Project2].[Load_SalesManagers]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Bing Gao
-- Create date: 4/4/2022
-- Description: Load date into SalesManagers table
-- -----
CREATE PROCEDURE [Project2].[Load_SalesManagers]
   -- Add the parameters for the stored procedure here
   @UserAuthorizationKey int
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   -- Insert statements for procedure here
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
INSERT INTO [CH01-01-Dimension].[SalesManagers]
(SalesManager, Category, Office, UserAuthorizationKey, DateAdded, DateOfLastUpdate)
SELECT DISTINCT OLD.[SalesManager], OLD.[ProductSubcategory] , Office = CASE
```

```
WHEN
                                                                              Sales-
Manager =
              'Alberto Ferrari'
                                   THEN
                                                    'New York'
                                                                     WHEN
                                                                             Sales-
Manager =
              'Marco Russo'
                                   THEN
                                                    'Paris'
                                                                     WHEN
                                                                             Sales-
Manager =
             'Maurizio Macagno'
                                    THEN
                                                     'London'
                                                                             'Los
                                                                     ELSE
Angeles'
                                                                     END
                @UserAuthorizationKey, @DateAdded, @DateOfLastUpdate
FROM FileUpload.OriginallyLoadedData AS OLD
   DECLARE @EndingDateTime DATETIME2;
   set @EndingDateTime = SYSDATETIME()
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*) FROM [CH01-01-Dimension].Sales-
Managers);
----Create New Table View----
   EXEC ('
   DROP VIEW IF EXISTS G10 E.uvw SalesManagers')
   EXEC ('
   CREATE VIEW G10 E.uvw SalesManagers AS
   SELECT SalesManagerKey, SalesManager, Category, Office, UserAuthorizationKey, Date-
Added, DateOfLastUpdate
   FROM [CH01-01-Dimension].[SalesManagers] ')
----Create New Table View----
   EXEC [Process].[usp TrackWorkFlow]
        'Procedure: Load date into SalesManagers table',
        @WorkFlowStepTableRowCount,
        @StartingDateTime,
        @EndingDateTime,
        @UserAuthorizationKey
   SELECT *
   FROM G10 E.uvw SalesManagers
END
GO
```

[CH01-01-Dimension].[SalesManagers] [FileUpload].[OriginallyLoadedData] [G10_E].[uvw_SalesManagers] [Process].[usp_TrackWorkFlow]

Project > localhost,13001 > User databases > G10_E > Programmability > Stored Procedures > Project2.Load SalesManagers
Project2
Used By

[Project2].[LoadStarSchemaData]

Author: chang

[Project2].[LoadStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[LoadStarSchemaData] @UserAuthorizationKey INT
AS
BEGIN
 SET NOCOUNT ON:
  DECLARE @StartingDateTime DATETIME2 = SYSDATETIME();
 -- drop all foreign keys before truncating tables
 EXEC Project2.DropForeignKeysFromStarSchemaData @UserAuthorizationKey = 4;
   -- check row count before truncation
  EXEC Project2.ShowTableStatusRowCount
   @UserAuthorizationKey = 6,
   @TableStatus = N'''Pre-truncate of tables'''
      truncate the star schema Data
 EXEC Project2.TruncateStarSchemaData @UserAuthorizationKey = 4;
 -- do all the procedures
 EXEC Project2.Load DimProductCategory @UserAuthorizationKey = 3;
 EXEC Project2.Load DimProductSubcategory @UserAuthorizationKey = 3;
 EXEC Project2.Load DimProduct @UserAuthorizationKey = 3;
 EXEC Project2.Load SalesManagers @UserAuthorizationKey = 6;
 EXEC Project2.Load DimGender @UserAuthorizationKey = 2;
 EXEC Project2.Load DimMaritalStatus @UserAuthorizationKey = 5;
 EXEC Project2.Load DimOccupation @UserAuthorizationKey = 5;
 EXEC Project2.Load DimOrderDate @UserAuthorizationKey = 5;
 EXEC Project2.Load DimTerritory @UserAuthorizationKey = 2;
 EXEC Project2.Load DimCustomer @UserAuthorizationKey = 2;
 EXEC Project2.Load Data @UserAuthorizationKey = 4;
   -- check row count before truncating
          Project2.ShowTableStatusRowCount
   @UserAuthorizationKey = 6,
   @TableStatus = N'''Row Count after loading the star schema'''
```

```
EXEC Project2.AddForeignKeysToStarSchemaData @UserAuthorizationKey = 4;
    DECLARE @WorkFlowStepTableRowCount INT;
SET @WorkFlowStepTableRowCount = 0;
DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
EXEC Process.usp_TrackWorkFlow 'Load Star Schema Data', @WorkFlowStepTableRow-Count,@StartingDateTime,@EndingDateTime,@UserAuthorizationKey;
END;
GO
```

[Process].[usp_TrackWorkFlow] [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

```
-- Author: Bing Gao
-- Create date: 4/4/2022
-- Description: Count the number of rows per table
CREATE PROCEDURE [Project2].[ShowTableStatusRowCount] @TableStatus VARCHAR(64), @User-
AuthorizationKey INT
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   DECLARE @EndingDateTime DATETIME2;
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   SELECT TableName = 'CH01-01-Dimension.DimCustomer',
      COUNT(*) as [RowCount]
```

```
FROM [CH01-01-Dimension].DimCustomer
SELECT TableName = 'CH01-01-Dimension.DimGender',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimGender
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimMaritalStatus',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimMaritalStatus
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimOccupation',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimOccupation
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimOrderDate',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimOrderDate
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimProduct',
     COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimProduct
UNTON ALL
SELECT TableName = 'CH01-01-Dimension.DimProductCategory',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimProductCategory
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimProductSubcategory',
       COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimProductSubcategory
UNION ALL
SELECT TableName = 'CH01-01-Dimension.DimTerritory',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension].DimTerritory
UNION ALL
SELECT TableName = 'CH01-01-Dimension.SalesManagers',
      COUNT(*) as [RowCount]
FROM [CH01-01-Dimension]. SalesManagers
UNTON ATIT
SELECT TableName = 'CH01-01-Fact.Data',
      COUNT(*) as [RowCount]
FROM [CH01-01-Fact].[Data]
UNION ALL
SELECT TableName = 'DbSecurity.UserAuthorization',
      COUNT(*) as [RowCount]
FROM [DbSecurity].UserAuthorization
UNION ALL
SELECT TableName = 'Process.WorkflowSteps',
     COUNT(*) as [RowCount]
FROM [Process].WorkflowSteps;
SET @EndingDateTime = SYSDATETIME();
EXEC [Process].[usp TrackWorkFlow] 'Procedure: Count the number of rows per table',
```

@WorkFlowStepTableRowCount,
 @StartingDateTime,
 @EndingDateTime,
 @UserAuthorizationKey;
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]

[DbSecurity].[UserAuthorization]

[Process].[WorkflowSteps]

[Process].[usp_TrackWorkFlow]

Project2

Used By

[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: chang

```
Bing Gao
-- Author:
-- Create date: 4/4/2022
-- Description: Truncate StarSchemaData
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 @StartingDateTime DATETIME2 = SYSDATETIME();
   TRUNCATE TABLE [CH01-01-Dimension].DimCustomer;
   ALTER SEQUENCE PkSequence.DimCustomerSequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimGender;
   TRUNCATE TABLE [CH01-01-Dimension].DimMaritalStatus;
   TRUNCATE TABLE [CH01-01-Dimension].DimOccupation;
   ALTER SEQUENCE PkSequence.OccupationSequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimOrderDate;
   TRUNCATE TABLE [CH01-01-Dimension].DimProduct;
   ALTER SEQUENCE PkSequence.DimProductSequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimProductCategory;
   ALTER SEQUENCE PkSequence.DimProductCategorySequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimProductSubCategory;
   ALTER SEQUENCE PkSequence.DimProductSubCategorySequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimTerritory;
   ALTER SEQUENCE PkSequence.DimTerritorySequenceObject RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].SalesManagers;
```

```
ALTER SEQUENCE PkSequence.SalesManagersSequenceObject RESTART WITH 1;

TRUNCATE TABLE [CH01-01-Fact].Data;

ALTER SEQUENCE PkSequence.DataSequenceObject RESTART WITH 1;

DECLARE @WorkFlowStepTableRowCount INT;

SET @WorkFlowStepTableRowCount = 0;

DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();

EXEC [Process].[usp_TrackWorkFlow] 'Truncate Data',

@WorkFlowStepTableRowCount,

@StartingDateTime,

@EndingDateTime,

@UserAuthorizationKey;

end

GO
```

```
[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_TrackWorkFlow]
Project2
```

Used By

[Utils].[DropProcsInCSCl331FinalProject]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
-- Author:
               Name
-- Create date:
-- Description:
create procedure [Utils].[DropProcsInCSCI331FinalProject]
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;
   drop proc if exists Project1.Load SalesManagers;
   drop proc if exists Project1.Load DimProductSubcategory;
   drop proc if exists Project1.Load DimProductCategory;
   drop proc if exists Project1.Load DimGender;
   drop proc if exists Project1.Load DimMaritalStatus;
   drop proc if exists Project1.Load_DimOccupation;
   drop proc if exists Project1.Load DimOrderDate;
   drop proc if exists Project1.Load DimTerritory;
   drop proc if exists Project1.Load DimProduct;
   drop proc if exists Project1.Load DimCustomer;
   drop proc if exists Project1.Load Data;
   drop proc if exists Project1.TruncateStarSchemaData;
   drop proc if exists Project1.LoadStarSchemaData;
end;
GO
```

Uses

Utils

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

```
-- 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
```

 $\label{localhost} Project > localhost, 13001 > User \ databases > G10_E > Programmability > Functions > Scalar-valued \ Functions > Utils. Calculate Data Type Byte Storage$

```
Type, 0) - 1

(Charindex('(', @Data-Type, 0) - CHARINDEX('(', @Data-Type, 0) - 1)

(Charindex('(', @Data-Type, 1, 3) = 'int' Then

(Charindex('(', @Data-Type, 1, 3) = 'int' T
```

Uses

Utils

Sequences

Objects

Name
PkSequence.DataSequenceObject
PkSequence.DimCustomerSequenceObject
PkSequence.DimProductCategorySequenceObject
PkSequence.DimProductSequenceObject
PkSequence.DimProductSubCategorySequenceObject
PkSequence.DimTerritorySequenceObject
PkSequence.OccupationSequenceObject
PkSequence.SalesManagersSequenceObject
PkSequence.UserAuthorizationSequenceObject
PkSequence.WorkFlowStepsSequenceObject

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.Data-SequenceObject

[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].[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

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.DimProduct-CategorySequenceObject

[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

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.DimProduct-SequenceObject

[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].[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

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.DimTerritory-SequenceObject

[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

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.Occupation-SequenceObject

[PkSequence].[OccupationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[SalesManagersSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[UserAuthorizationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

Project > localhost,13001 > User databases > G10_E > Programmability > Sequences > PkSequence.WorkFlow-StepsSequenceObject

[PkSequence].[WorkFlowStepsSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses



Objects

Name
dbo
EC3\RedgateBackup
EC3\thehitman
guest
rheller



Property	Value
Туре	SqlUser
Login Name	sa
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

GO



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

Database Level Permissions

Туре	Action
CONNECT	Grant

```
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
```



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

Database Level Permissions

Туре	Action
CONNECT	Grant

```
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
```



Property	Value
Туре	SqlUser
Default Schema	guest

GO			



Property	Value
Туре	SqlUser
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

CREATE USER [rheller] WITHOUT LOGIN
GO

La 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

Author: chang

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

♣ db_owner

Properties

Property Value

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

nublic 🕰

Properties

Property	Value
Owner	dbo

△ Schemas

Objects

Name
CH01-01-Dimension
CH01-01-Fact
DbSecurity
FileUpload
G10_E
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]

Å G10_E

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [G10_E]
AUTHORIZATION [dbo]
GO
```

Used By

[G10_E].[uvw_DimCustomer]

[G10_E].[uvw_DimGender]

[G10_E].[uvw_DimMaritalStatus]

[G10_E].[uvw_DimOccupation]

[G10_E].[uvw_DimOrderDate]

[G10_E].[uvw_DimProduct]

[G10_E].[uvw_DimProductCategory]

[G10_E].[uvw_DimProductSubCategory]

[G10_E].[uvw_DimTerritory]

[G10_E].[uvw_FactData]

[G10_E].[uvw_SalesManagers]

△ PkSequence

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[PkSequence].[DataSequenceObject]

[PkSequence].[DimCustomerSequenceObject]

[PkSequence].[DimProductCategorySequenceObject]

[PkSequence].[DimProductSequenceObject]

[PkSequence].[DimProductSubCategorySequenceObject]

[PkSequence].[DimTerritorySequenceObject]

[PkSequence].[OccupationSequenceObject]

[PkSequence].[SalesManagersSequenceObject]

[PkSequence]. [User Authorization Sequence Object]

[PkSequence]. [WorkFlowStepsSequenceObject]

⚠ Process

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Process].[WorkflowSteps]
[Process].[usp_ShowWorkflowSteps]

[Process].[usp_TrackWorkFlow]

△ 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]

[Project 2]. [Show Table Status Row Count]

[Project 2]. [Truncate Star Schema Data]

△ Utils

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Utils].[ShowServerUserNameAndCurrentDatabase]
[Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]
[Utils].[uvw_FindTablesStorageBytes]
[Utils].[DropProcsInCSCI331FinalProject]
[Utils].[CalculateDataTypeByteStorage]