localhost, 13001 Documentation G7_1

Server localhost,13001

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Databases (1)

• **目** G7_1

Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4345.5
Language	English
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	12
OS Version	6.2 (9200)
Physical Memory	25633
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** G7_1

目 G7_1 Database

Database Properties

Property	Value
SQL Server Version	SqlServer2019
Compatibility Level	SQL Server 2014
Last backup time	-
Last log backup time	-
Creation date	Apr 13 2024
Users	7
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	135.13 MB
Unallocated space	47.86 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
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/G7_1.mdf
BIClass_log	Log	68.13 MB	2048.00 GB	10.00 percent	/var/opt/mssql/log/G7_1_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.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	8:59:24 PM Wednesday, December 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	CustomerName	varchar(30)	30	NULL allowed
	UserAuthorizationKey	int	4	NULL allowed
PK	CustomerKey	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PKDimCusto95011E64173B2864	CustomerKey	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimCustomer]
[CustomerName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NULL,
[CustomerKey] [int] NOT NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimCustomer] ADD CONSTRAINT [PK__DimCusto__95011E64173B2864]
PRIMARY KEY CLUSTERED ([CustomerKey]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Used By

[Project2].[Load_Data]

[Project2].[Load_DimCustomer]

[Project2].[ShowTableStatusRowCount]

[CH01-01-Dimension].[DimGender]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	7:45:56 AM Wednesday, December 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK2 C	Gender	char(1)	1	NOT NULL
	GenderDescription	varchar(6)	6	NOT NULL
	UserAuthorizationKey	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimGender	Gender	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimGender]
[Gender] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[GenderDescription] [varchar] (6) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimGender] ADD CONSTRAINT [PK_DimGender] PRIMARY KEY CLUSTERED
([Gender]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Project > localhost,13001 > User databases > $G7_1$ > Tables > CH01-01-Dimension.DimGender

Used By

[Project2].[Load_DimGender]

[Project2].[ShowTableStatusRowCount]

[CH01-01-Dimension].[DimMaritalStatus]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	7:46:07 AM Wednesday, December 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK C	MaritalStatus	char(1)	1	NOT NULL
	MaritalStatusDescription	varchar(7)	7	NOT NULL
	UserAuthorizationKey	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PKP G	PK_DimMaritalStatus	MaritalStatus	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimMaritalStatus]
[MaritalStatus] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[MaritalStatusDescription] [varchar] (7) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [int] NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimMaritalStatus] ADD CONSTRAINT [PK_DimMaritalStatus] PRIMARY
KEY CLUSTERED ([MaritalStatus]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Used By

[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 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	Occupation	varchar(20)	20	NULL allowed
	UserAuthorizationKey	int	4	NULL allowed
PK G	OccupationKey	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimOccup742667DAEFD50803	OccupationKey	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimOccupation]
[Occupation] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[UserAuthorizationKey] [int] NULL,
[OccupationKey] [int] NOT NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimOccupation] ADD CONSTRAINT [PK__DimOccup__742667DAEFD50803]
PRIMARY KEY CLUSTERED ([OccupationKey]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Used By

[Project2].[Load_Data]

[Project2].[Load_DimOccupation]

[Project2].[ShowTableStatusRowCount]

[CH01-01-Dimension].[DimOrderDate]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1124
Created	11:26:20 AM Wednesday, December 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PK C	OrderDate	date	3	NOT NULL
	MonthName	varchar(10)	10	NULL allowed
	MonthNumber	int	4	NULL allowed
	Year	int	4	NULL allowed
	UserAuthorizationKey	int	4	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PK C	PK_DimOrderDate_1	OrderDate	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimOrderDate]
[OrderDate] [date] NOT NULL,
[MonthName] [varchar] (10) COLLATE SQL Latin1 General CP1 CI AS NULL,
[MonthNumber] [int] NULL,
[Year] [int] NULL,
[UserAuthorizationKey] [int] NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimOrderDate] ADD CONSTRAINT [PK_DimOrderDate_1] PRIMARY KEY
CLUSTERED ([OrderDate]) ON [PRIMARY]
GO
```

Project > localhost,13001 > User databases > G7_1 > Tables > CH01-01-Dimension.DimOrderDate

Uses

CH01-01-Dimension

Used By

[Project2].[Load_DimOrderDate]
[Project2].[ShowTableStatusRowCount]

[CH01-01-Dimension].[DimProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	8:46:24 PM Sunday, December 10, 2017
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	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
PKP C	ProductKey	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimProduA15E99B37BA2DC5C	ProductKey	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimProduct]
[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,
[ProductKey] [int] NOT NULL
) ON [PRIMARY]
```

```
ALTER TABLE [CH01-01-Dimension].[DimProduct] ADD CONSTRAINT [PK__DimProdu__A15E99B37BA2DC5C]
PRIMARY KEY CLUSTERED ([ProductKey]) ON [PRIMARY]
GO
```

Uses

CH01-01-Dimension

Used By

 $[Project 2]. [Create Dim Product _Dim Product Category _Dim Product Sub Category And Load Data] \\$

[Project2].[Load_Data]

[Project2].[ShowTableStatusRowCount]

[CH01-01-Dimension].[DimProductSubcategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	0
Created	2:46:08 PM Saturday, April 13, 2024
Last Modified	2:46:08 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
PKP C	ProductSubcategoryKey	int	4	NOT NULL
	ProductSubcategory	varchar(20)	20	NULL allowed

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimProdu3D21635C38C19890	ProductSubcategoryKey	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[DimProductSubcategory]
[ProductSubcategoryKey] [int] NOT NULL,
[ProductSubcategory] [varchar] (20) COLLATE SQL Latin1 General CP1 CI AS NULL
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimProductSubcategory] ADD CONSTRAINT [PK Dim-
Produ 3D21635C38C19890] PRIMARY KEY CLUSTERED ([ProductSubcategoryKey]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Used By

 $[Project 2]. [Create Dim Product _Dim Product Category _Dim Product Sub Category And Load Data] \\$

[CH01-01-Dimension].[DimTerritory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	10
Created	5:48:09 PM Wednesday, December 2, 2015
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	TerritoryGroup	varchar(20)	20	NULL allowed
	TerritoryCountry	varchar(20)	20	NULL allowed
	TerritoryRegion	varchar(20)	20	NULL allowed
	UserAuthorizationKey	int	4	NULL allowed
PK C	TerritoryKey	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimTerriC54B735D0A4ACE1C	TerritoryKey	True

SQL Script

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

(

[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,

[TerritoryKey] [int] NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimTerritory] ADD CONSTRAINT [PK__DimTerri__C54B735D0A4ACE1C]

PRIMARY KEY CLUSTERED ([TerritoryKey]) ON [PRIMARY]

GO
```

Project > localhost,13001 > User databases > G7_1 > Tables > CH01-01-Dimension.DimTerritory

Uses

CH01-01-Dimension

Used By

[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 (~)	4	
Created	7:36:09 AM Wednesday, December 2, 2015	
Last Modified	2:46:07 PM Saturday, April 13, 2024	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability
	Category	varchar(20)	20	NULL allowed
	SalesManager	varchar(50)	50	NULL allowed
	Office	varchar(50)	50	NULL allowed
PK2 C	SalesManagerKey	int	4	NOT NULL

Indexes

Key	Name	Key Columns	Unique
PK C	PKSalesManB619AC134769F5A1	SalesManagerKey	True

SQL Script

```
CREATE TABLE [CH01-01-Dimension].[SalesManagers]
[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,
[SalesManagerKey] [int] NOT NULL
) ON [PRIMARY]
GO
ALTER TABLE [CH01-01-Dimension].[SalesManagers] ADD CONSTRAINT [PK SalesMan B619AC134769F5A1]
PRIMARY KEY CLUSTERED ([SalesManagerKey]) ON [PRIMARY]
```

Uses

CH01-01-Dimension

Used By

[Project2].[Load_Data]

[Project2].[Load_SalesManagers]

[Project2].[ShowTableStatusRowCount]

☐ [CH01-01-Fact].[Data]

Properties

Property	Value	
Collation	SQL_Latin1_General_CP1_CI_AS	
Неар	True	
Row Count (~)	0	
Created	8:59:58 PM Wednesday, December 2, 2015	
Last Modified	2:46:07 PM Saturday, April 13, 2024	

Columns

Name	Data Type	Max Length (Bytes)	Nullability
SalesManagerKey	int	4	NULL allowed
OccupationKey	int	4	NULL allowed
TerritoryKey	int	4	NULL allowed
ProductKey	int	4	NULL allowed
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
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
SalesKey	int	4	NOT NULL

SQL Script

```
CREATE TABLE [CH01-01-Fact].[Data]
[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,
[SalesKey] [int] NOT NULL
) ON [PRIMARY]
```

Uses

CH01-01-Fact

Used By

[Project2].[Load_Data]
[Project2].[ShowTableStatusRowCount]

Project > localhost,13001 > User databases > $G7_1$ > Tables > CH01-01-Fact.Data

[DbSecurity].[UserAuthorization]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	5
Created	2:46:07 PM Saturday, April 13, 2024
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK G	UserAuthorizationKey	int	4	NOT NULL	
	ClassTime	nchar(5)	10	NULL allowed	('7:45')
	IndividualProject	nvarchar(60)	120	NULL allowed	('PROJECT 2 RECREATE THE BICLASS DATABASE STAR SCHEMA')
	GroupMemberLastName	nvarchar(35)	70	NOT NULL	
	GroupMemberFirstName	nvarchar(25)	50	NOT NULL	
	GroupName	nvarchar(20)	40	NOT NULL	('G331_1')
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_UserAuthKey	UserAuthorizationKey	True

SQL Script

```
CREATE TABLE [DbSecurity].[UserAuthorization]
[UserAuthorizationKey] [int] NOT NULL,
[ClassTime] [nchar] (5) COLLATE SQL Latin1 General CP1 CI AS NULL CONSTRAINT [DF UserAutho -
Class 5C6CB6D7] DEFAULT ('7:45'),
[IndividualProject] [nvarchar] (60) COLLATE SQL Latin1 General CP1 CI AS NULL CONSTRAINT [DF -
UserAutho_Indiv_5D60DB10] DEFAULT ('PROJECT 2 RECREATE THE BICLASS DATABASE STAR SCHEMA'),
[GroupMemberLastName] [nvarchar] (35) COLLATE SQL Latin1 General CP1 CI AS NOT NULL,
[GroupMemberFirstName] [nvarchar] (25) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[GroupName] [nvarchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL CONSTRAINT [DF__User-Autho__Group__5E54FF49] DEFAULT ('G331_1'),
[DateAdded] [datetime2] NULL CONSTRAINT [DF UserAutho DateA 5F492382] DEFAULT (sysdatetime())
```

```
ON [PRIMARY]

GO

ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK_UserAuthKey] PRIMARY KEY

CLUSTERED ([UserAuthorizationKey]) ON [PRIMARY]

GO
```

Uses

DbSecurity

Used By

[Project2].[CreateUserAuthtable]

III [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]
GO
```

Uses

FileUpload

Used By

```
[Project2].[CreateDimProduct_DimProductCategory_DimProductSubCategoryAndLoadData]
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
[Project2].[Load_DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load_DimTerritory]
[Project2].[Load_SalesManagers]
```

■ [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
Неар	True
Row Count (~)	17
Created	2:46:07 PM Saturday, April 13, 2024
Last Modified	2:46:07 PM Saturday, April 13, 2024

Columns

Name	Data Type	Max Length (Bytes)	Nullability	Identity	Default
WorkFlowStepKey	int	4	NOT NULL	1 - 1	
WorkFlowStepDescription	nvarchar(100)	200	NOT NULL		
WorkFlowStepTableRowCount	int	4	NULL allowed		((0))
StartingDateTime	datetime2	8	NULL allowed		(sysdatetime())
EndingDateTime	datetime2	8	NULL allowed		(sysdatetime())
ClassTime	char(5)	5	NULL allowed		('7:45')
UserAuthorizationKey	int	4	NOT NULL		

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

(
[WorkFlowStepKey] [int] NOT NULL IDENTITY(1, 1),
[WorkFlowStepDescription] [nvarchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[WorkFlowStepTableRowCount] [int] NULL CONSTRAINT [DF__WorkFlowS__WorkF__56B3DD81] DEFAULT ((0)),
[StartingDateTime] [datetime2] NULL CONSTRAINT [DF__WorkFlowS__Start__57A801BA] DEFAULT (sysdatetime()),
[EndingDateTime] [datetime2] NULL CONSTRAINT [DF__WorkFlowS__Endin__589C25F3] DEFAULT (sysdatetime()),
[ClassTime] [char] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DF__WorkFlowS__-Class__59904A2C] DEFAULT ('7:45'),
[UserAuthorizationKey] [int] NOT NULL
) ON [PRIMARY]

GO
```

Project > localhost,13001 > User databases > G7_1 > Tables > Process.WorkFlowSteps	
Uses	
Process	
Used By	

[Process].[usp_TrackWorkFlow]
[Project2].[CreateWorkFlowStepsTable]

■ Views

Objects

Name

Utils. Show Server User Name And Current Database

 $Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint$

Utils.uvw_FindTablesStorageBytes

[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 2, 2015	
Last Modified	4:39:32 PM Wednesday, December 2, 2015	

Columns

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

```
--create schema Utils;
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,
       {\tt CONCAT}\,({\tt col.DOMAIN\_SCHEMA,~'.',~col.DOMAIN\_NAME})~{\tt AS}~{\tt 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
                                   INFORMATION_SCHEMA.CONSTRAINT_COLUMN_USAGE
                         FROM
                                   AS cu
                                   INNER JOIN INFORMATION SCHEMA.CHECK CONSTRAINTS
                                   AS c ON c.CONSTRAINT NAME = cu.CONSTRAINT NAME
                        ) AS cc ON cc.TABLE_SCHEMA = tbl.TABLE_SCHEMA
                                  AND cc.TABLE NAME = tbl.TABLE NAME
                                  AND cc.COLUMN NAME = col.COLUMN NAME
GO
```

Uses

Utils

Used By

[Utils].[uvw FindTablesStorageBytes]

[Utils].[uvw_FindTablesStorageBytes]

Properties

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

Columns

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

```
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('(', DataType, 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('(', DataType, 0) - 1
                                            ) as int)
                          when substring(DataType, 1, 3) = 'int' then
```

Uses

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

Stored Procedures

Objects

Name
Process.usp_TrackWorkFlow
Project2.Add_UserAuth_DateAdded_DateOfLastUpdated_ToAllTables
Project2.AddForeignKeysToStarSchemaData
Project2.AlterTableIdentityKeystoSequenceObjects
Project2.CreateDimProduct_DimProductCategory_DimProductSubCategoryAndLoadData
Project2.CreateSequenceKeysForTables
Project2.CreateUserAuthtable
Project2.CreateWorkFlowStepsTable
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.usp_WorkFlowStepCounter
Utils.DropProcsInCSCl331FinalProject

[Process].[usp_TrackWorkFlow]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@GroupMemberUserAuthorizationKey	int	4
@WorkFlowStepDescription	nvarchar(100)	200

SQL Script

```
CREATE PROCEDURE [Process].[usp_TrackWorkFlow]

@GroupMemberUserAuthorizationKey INT,
@WorkFlowStepDescription NVARCHAR(100)

AS

BEGIN

INSERT INTO Process.WorkFlowSteps
(WorkFlowStepDescription, UserAuthorizationKey, WorkFlowStepTableRowCount)
VALUES(@WorkFlowStepDescription, @GroupMemberUserAuthorizationKey, NEXT VALUE FOR
Process.WorkFlowStepTableRowCountByl);

END

GO
```

Uses

[Process].[WorkFlowSteps]

Process

[Process].[WorkFlowStepTableRowCountBy1]

Used By

 $[Project 2]. [Add_User Auth_Date Added_Date Of Last Updated_To All Tables] \\$

Author: benja

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Process.usp_TrackWork-Flow

[Project2].[AddForeignKeysToStarSchemaData]

[Project2].[AlterTableIdentityKeystoSequenceObjects]

[Project2].[CreateSequenceKeysForTables]

[Project2].[CreateUserAuthtable]

[Project2].[DropForeignKeysFromStarSchemaData]

[Project2].[Load Data]

[Project2].[Load_DimCustomer]

[Project2].[Load_DimGender]

[Project2].[Load_DimMaritalStatus]

[Project2].[Load_DimOccupation]

[Project2].[Load_DimOrderDate]

[Project2].[Load_DimTerritory]

[Project2].[Load_SalesManagers]

[Project2].[LoadStarSchemaData]

[Project2].[ShowTableStatusRowCount]

[Project2].[TruncateStarSchemaData]

[Project2].[Add_UserAuth_DateAdded_DateOfLastUpdated_ToAllTables]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[Add UserAuth DateAdded DateOfLastUpdated ToAllTables]
    @GroupMemberUserAuthorizationKey INT
AS
BEGIN
   ALTER TABLE [CH01-01-Dimension].[DimCustomer]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT(-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimGender]
    ADD UserAuthorizationKey INT NOT NULL DEFAULT(-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimMaritalStatus]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT(-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimOccupation]
    ADD UserAuthorizationKey INT NOT NULL DEFAULT(-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimOrderDate]
```

```
ADD UserAuthorizationKey INT NOT NULL DEFAULT (-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimProduct]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT (-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[DimTerritory]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT (-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Dimension].[SalesManagers]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT(-99),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD UserAuthorizationKey INT NOT NULL DEFAULT(1),
        DateAdded datetime2 null DEFAULT(sysdatetime()),
        DateOfLastUpdate datetime2 null DEFAULT(sysdatetime())
   EXEC [Process].[usp TrackWorkFlow] @GroupMemberUserAuthorizationKey = 1, @WorkFlowStep-
Description = 'Added the UserAuthKey, DateAdded, DateOfLastupdate to all tables';
END
GO
```

Uses

[Process].[usp_TrackWorkFlow] Project2

[Project2].[AddForeignKeysToStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE[Project2].[AddForeignKeysToStarSchemaData]
   @UserAuthorizationKey INT
AS
BEGIN
   ALTER TABLE [CH01-01-Fact].[Data]
        CONSTRAINT FK DimCustomer Data FOREIGN KEY(CustomerKey)
        REFERENCES [CH01-01-Dimension].[DimCustomer] (CustomerKey),
        CONSTRAINT FK_DimGender_Data FOREIGN KEY (Gender)
        REFERENCES [CH01-01-Dimension].[DimGender] (Gender),
        CONSTRAINT FK DimMaritalStatus Data FOREIGN KEY (MaritalStatus)
        REFERENCES [CH01-01-Dimension].[DimMaritalStatus] (MaritalStatus),
        CONSTRAINT FK DimOccupation Data FOREIGN KEY (OccupationKey)
        REFERENCES [CH01-01-Dimension].[DimOccupation] (OccupationKey),
        CONSTRAINT FK_DimOrderDate_Data FOREIGN KEY (OrderDate)
        REFERENCES [CH01-01-Dimension].[DimGender] (OrderDate),
        CONSTRAINT FK DimProduct Data FOREIGN KEY (ProductKey)
        REFERENCES [CH01-01-Dimension].[DimProduct] (ProductKey),
```

```
CONSTRAINT FK_DimTerritory_Data FOREIGN KEY (TerritoryKey)

REFERENCES [CH01-01-Dimension].[DimTerritory] (TerritoryKey),

CONSTRAINT FK_SalesManager_Data FOREIGN KEY (SalesManagerKey)

REFERENCES [CH01-01-Dimension].[SalesManagers] (SalesManagerKey)

EXEC [Process].[usp_TrackWorkFlow] @WorkFlowStepDescription = 'Added Foreign Key relationships to the Fact.Data table', @GroupMemberUserAuthorizationKey = @UserAuthorizationKey;

END

GO
```

Uses

[Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[AlterTableIdentityKeystoSequenceObjects]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[AlterTableIdentityKeystoSequenceObjects]
   @UserAuthorizationKey INT
AS
BEGIN
    -- DROPS THE PK CONSTRAINTS AND THE PK COLUMN
   ALTER TABLE [CH01-01-Dimension].[DimCustomer]
       CONSTRAINT PK__DimCusto__95011E6452BCF41C,
       COLUMN [CustomerKey];
   ALTER TABLE [CH01-01-Dimension].[DimCustomer]
   ADD
       CustomerKey INT NOT NULL PRIMARY KEY
   ALTER TABLE [CH01-01-Dimension].[DimOccupation]
   DROP
       CONSTRAINT PK_DimOccupation,
        COLUMN [OccupationKey];
    ALTER TABLE [CH01-01-Dimension].[DimOccupation]
       ADD OccupationKey INT NOT NULL PRIMARY KEY
```

```
ALTER TABLE [CH01-01-Dimension].[DimProduct]
   DROP
       CONSTRAINT PK DimProdu A15E99B3E27177EF,
       COLUMN ProductKey;
   ALTER TABLE [CH01-01-Dimension].[DimProduct]
       ADD ProductKey INT NOT NULL PRIMARY KEY
   ALTER TABLE [CH01-01-Dimension].[DimTerritory]
   DROP
       CONSTRAINT PK DimTerri C54B735D813BBCA6,
       COLUMN [TerritoryKey];
   ALTER TABLE [CH01-01-Dimension].[DimTerritory]
       ADD TerritoryKey INT NOT NULL PRIMARY KEY
   ALTER TABLE [CH01-01-Dimension].[SalesManagers]
       CONSTRAINT PK SalesManagers,
       COLUMN [SalesManagerKey]
   ALTER TABLE [CH01-01-Dimension].[SalesManagers]
   ADD SalesManagerKey INT NOT NULL PRIMARY KEY
   ALTER TABLE [CH01-01-Fact].[Data]
   DROP
       CONSTRAINT PK Data,
       COLUMN [SalesKey]
   ALTER TABLE [CH01-01-Fact].[Data]
   ADD SalesKey INT NOT NULL;
   EXEC [Process].[usp_TrackWorkFlow] @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Altered the PKs of various tables to Sequence Objects';
END
GO
```

Project > localhost,13001 > User databases > G7_1 >
Programmability > Stored Procedures > Project2.AlterTableIdentityKeystoSequenceObjects

Uses

[Process].[usp_TrackWorkFlow]

Project2

Used By

[Project2].[CreateDimProduct_DimProductCategory_DimProductSubCategoryAnd-LoadData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Insert the data from the FileUpload
INSERT INTO [CH01-01-Dimension].[DimProductSubcategory]
    (ProductSubcategoryKey, ProductSubcategory)
SELECT
   NEXT VALUE FOR [Project2].[DimProductSubCategorySequenceKey],
    OLD.ProductSubcategory
FROM
    (SELECT
        DISTINCT ProductSubcategory
    FROM FileUpload.OriginallyLoadedData
    ) AS OLD
                             ******----- PARENT TABLE - DimProductCategory ------
CREATE SEQUENCE [Project2].[ProductCategorySequenceKey]
   START WITH 1
   INCREMENT BY 1
-- PARENT TABLE
CREATE TABLE [CH01-01-Dimension].[DimProductCategory]
    ProductCategoryKey INT NOT NULL PRIMARY KEY,
    {\tt ProductSubcategoryKey\ INT\ NOT\ NULL}
        CONSTRAINT FK DimProductSubcategory
        FOREIGN KEY (ProductSubcategoryKey)
        REFERENCES [CH01-01-Dimension].[DimProductSubcategory](ProductSubcategoryKey),
    ProductCategory VARCHAR(20) NULL
);
INSERT INTO [CH01-01-Dimension].[DimProductCategory]
    (ProductCategoryKey, ProductSubcategoryKey, ProductCategory)
SELECT
    NEXT VALUE FOR [Project2].[ProductCategorySequenceKey],
    new.ProductSubcategoryKey,
    new.ProductCategory
FROM (SELECT
        DISTINCT
        old.ProductCategory,
        old.ProductSubcategory,
        dps.ProductSubcategoryKey
    FROM FileUpload.OriginallyLoadedData AS old
        INNER JOIN [CH01-01-Dimension].[DimProductSubcategory] AS dps
        ON old.ProductSubcategory = dps.ProductSubcategory) AS new
```

```
CREATE SEQUENCE [CH01-01-Dimension].[DimProductSequenceKey]
   START WITH 1
   INCREMENT BY 1
ALTER TABLE [CH01-01-Dimension].[DimProduct]
DROP COLUMN ProductCategory, ProductSubcategory;
ALTER TABLE [CH01-01-Dimension].[DimProduct]
   ProductCategoryKey INT NOT NULL DEFAULT (-1)
   CONSTRAINT FK_DimProductCategoryKey
   FOREIGN KEY (ProductCategoryKey)
   REFERENCES [CH01-01-Dimension].[DimProductCategory](ProductCategoryKey)
INSERT INTO [CH01-01-Dimension].[DimProduct]
    (ProductKey, ProductCategoryKey, ProductCode, ProductName, Color, ModelName)
SELECT
   NEXT VALUE FOR [Project2].[DimProductSequenceKey],
   new.ProductCategoryKey,
   new.ProductCode,
   new.ProductName,
   new.Color,
   new.ModelName
FROM
    (SELECT
       DISTINCT
       ProductCategoryKey,
       ProductCode,
       ProductName,
       Color,
       ModelName
   FROM FileUpload.OriginallyLoadedData AS old
       INNER JOIN [CH01-01-Dimension].[DimProductCategory] AS dpc
       ON old.ProductCategory = dpc.ProductCategory) AS new
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.CreateDim-Product_DimProductCategory_DimProductSubCategoryAndLoad-Data

```
ProductKey,
ProductCode,
ProductName,
DP.ProductCategory,
Color,
ModelName,
DPC.ProductCategoryKey
FROM [CH01-01-Dimension].[DimProduct] AS DP
INNER JOIN [CH01-01-Dimension].[DimProductCategory] AS DPC
ON DP.ProductCategory = DPC.ProductCategory

END
GO
```

Uses

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

Used By

[Project2].[CreateSequenceKeysForTables]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[CreateSequenceKeysForTables]
   @UserAuthorizationKey INT
AS
BEGIN
   DROP SEQUENCE IF EXISTS [Project2].[DimCustomerSequenceKeys]
   DROP SEQUENCE IF EXISTS [Project2].[DimOccupationSequenceKeys]
   DROP SEQUENCE IF EXISTS [Project2].[DimProductSequenceKeys]
   DROP SEQUENCE IF EXISTS [Project2].[DimTerritorySequenceKeys]
   DROP SEQUENCE IF EXISTS [Project2].[SalesManagersSequenceKeys]
   DROP SEQUENCE IF EXISTS [Project2].[DataSequenceKeys]
   CREATE SEQUENCE [Project2].[DimCustomerSequenceKeys]
   AS INT
   START WITH 1
   INCREMENT BY 1
   MAXVALUE 2147483647
   MINVALUE -2147483648
   CREATE SEQUENCE [Project2].[DimOccupationSequenceKeys]
   AS INT
   START WITH 1
   INCREMENT BY 1
   MAXVALUE 2147483647
   MINVALUE -2147483648
   CREATE SEQUENCE [Project2].[DimTerritorySequenceKeys]
```

```
AS INT
   START WITH 1
   INCREMENT BY 1
   MAXVALUE 2147483647
   MINVALUE -2147483648
   CREATE SEQUENCE [Project2].[SalesManagersSequenceKeys]
   AS INT
   START WITH 1
   INCREMENT BY 1
   MAXVALUE 2147483647
   MINVALUE -2147483648
   CREATE SEQUENCE [Project2].[DataSequenceKeys]
   AS INT
   START WITH 1
   INCREMENT BY 1
   MAXVALUE 2147483647
   MINVALUE -2147483648
   EXEC [Process].[usp TrackWorkFlow] @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Created Sequence Objects for particular tables in the BIClass
Database.';
END
GO
```

Uses

[Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[CreateUserAuthtable]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[CreateUserAuthtable]
    @GroupMemberUserAuthorization INT
AS
BEGIN
   SET NOCOUNT ON;
   DROP TABLE IF EXISTS [DbSecurity].[UserAuthorization];
   CREATE TABLE [DbSecurity].[UserAuthorization]
        UserAuthorizationKey INT NOT NULL,
        -- Primary Key
       ClassTime nchar(5) Null DEFAULT('7:45'),
       IndividualProject nvarchar (60) null default('PROJECT 2 RECREATE THE BICLASS DATABASE
STAR SCHEMA'),
       GroupMemberLastName nvarchar(35) NOT NULL,
        GroupMemberFirstName nvarchar(25) NOT NULL,
       GroupName nvarchar(20) NOT NULL DEFAULT('G331 1'),
       DateAdded datetime2 null default sysdatetime(),
        CONSTRAINT PK_UserAuthKey PRIMARY KEY(UserAuthorizationKey)
   )
    INSERT INTO [DbSecurity].[UserAuthorization]
        ({\tt UserAuthorizationKey,\ GroupMemberLastName,GroupMemberFirstName})
    VALUES
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.CreateUser-Authtable

Uses

[DbSecurity].[UserAuthorization] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[CreateWorkFlowStepsTable]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[CreateWorkFlowStepsTable]
    @GroupMemberUserAuthorizationKey INT
AS
BEGIN
    DROP TABLE IF EXISTS Process.WorkFlowSteps;
    CREATE TABLE Process.WorkFlowSteps
        WorkFlowStepKey INT NOT NULL IDENTITY (1,1),
        WorkFlowStepDescription NVARCHAR(100) NOT NULL,
        \label{thm:continuity} {\tt WorkFlowStepTableRowCount\ INT\ NULL\ DEFAULT\,(0)\,,}
        StartingDateTime DATETIME2(7) NULL DEFAULT (SYSDATETIME()),
        EndingDateTime DATETIME2(7) NULL DEFAULT (SYSDATETIME()) ,
        ClassTime CHAR(5) NULL DEFAULT ('7:45'),
        UserAuthorizationKey INT NOT NULL
    INSERT INTO Process.WorkFlowSteps
        (UserAuthorizationKey, WorkFlowStepDescription, WorkFlowStepTableRowCount)
    VALUES (@GroupMemberUserAuthorizationKey, 'Created the Process.WorkFlowSteps table', NEXT
VALUE FOR Process.WorkFlowStepTableRowCountBy1)
END
GO
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.CreateWorkFlow-StepsTable

Uses

[Process].[WorkFlowSteps]

Project2

[Process]. [WorkFlowStepTableRowCountBy1]

Used By

[Project2].[DropForeignKeysFromStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project2].[DropForeignKeysFromStarSchemaData]
   @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   ALTER TABLE [CH01-01-Fact].[Data]
   DROP CONSTRAINT IF EXISTS 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]
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.DropForeignKeys-FromStarSchemaData

```
DROP CONSTRAINT FK_Data_DimTerritory;

ALTER TABLE [CH01-01-Fact].[Data]
DROP CONSTRAINT FK_Data_SalesManagers;

EXEC Process.usp_TrackWorkFlow @GroupMemberUserAuthorizationKey = 1, @WorkFlowStepDescription = 'Dropped all Foreign Keys from Fact.Data table.'

END
GO
```

Uses

[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

```
CREATE PROCEDURE[Project2].[Load Data]
    @UserAuthorizationKey INT
AS
BEGIN
    SET NOCOUNT ON;
    CREATE SEQUENCE [Project2].[DataSequenceKey]
    START WITH 1
    INCREMENT BY 1
    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, [Year], CustomerName,
        MaritalStatus, Gender, Education, Occupation, TerritoryRegion, TerritoryCountry,
        TerritoryGroup)
    SELECT
       NEXT VALUE FOR [Project2].[DataSequenceKey], old.SalesManager, old.Occupation,
DT. TerritoryKey, DP. ProductKey,
        DC.CustomerKey, old.ProductCategory, old.SalesManager, old.ProductSubcategory,
        old.ProductCode, old.ProductName, old.Color, old.ModelName, old.OrderQuantity, old.Unit-
Price.
        old.ProductStandardCost, old.SalesAmount, old.OrderDate, old.MonthName, [Year],
old.CustomerName,
        old.MaritalStatus, old.Gender, old.Education, old.Occupation, old.TerritoryRegion,
old.TerritoryCountry,
```

```
old.TerritoryGroup
    FROM
        FileUpload.OriginallyLoadedData AS old
        INNER JOIN [CH01-01-Dimension].[SalesManagers] AS SM
        ON SM.SalesManagerKey = old.SalesManager
        INNER JOIN [CH01-01-Dimension].[DimOccupation] AS DO
        ON DO.Occupation = old.Occupation
        INNER JOIN [CH01-01-Dimension].[DimTerritory] as DT \overline{\text{ON}}
        DT.TerritoryGroup = old.TerritoryGroup AND
            DT.TerritoryCountry = old.TerritoryCountry AND
            DT.TerritoryRegion = old.TerritoryRegion
        INNER JOIN [CH01-01-Dimension].[DimProduct] AS DP \overline{\text{ON}}
        DP.ProductName = old.ProductName
        INNER JOIN [CH01-01-Dimension].[DimCustomer] AS DC ON
        DC.CustomerName = old.CustomerName
    EXEC Process.usp TrackWorkFlow @WorkFlowStepDescription = 'Loaded the Fact.Data table with
data', @GroupMemberUserAuthorizationKey = @UserAuthorizationKey;
END
GO
```

Uses

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

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

```
CREATE PROCEDURE [Project2].[Load DimCustomer]
   @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
    -- Insert into the customer table including the user auth key
   INSERT INTO [CH01-01-Dimension].[DimCustomer]
       (CustomerKey, CustomerName, UserAuthorizationKey)
   SELECT
       NEXT VALUE FOR [Project2].[DimCustomerSequenceKeys] AS CustomerKey,
       C.CustomerName,
        @UserAuthorizationKey
    FROM (SELECT DISTINCT CustomerName
        FROM FileUpload.OriginallyLoadedData) AS C
    -- Insert the user into the Process.WorkFlowTable
   EXEC Process.usp TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Loading data into DimCustomer table';
END
GO
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_Dim-Customer

Uses

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

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

SQL Script

```
CREATE PROCEDURE [Project2].[Load DimGender]
    @UserAuthorizationKey INT
AS
BEGIN
   INSERT INTO [CH01-01-Dimension].[DimGender]
       (Gender, GenderDescription, UserAuthorizationKey)
   SELECT DISTINCT old.Gender,
       CASE
            WHEN old.Gender = 'M' THEN 'Male'
            WHEN old.Gender = 'F' THEN 'Female'
        END AS GenderDescription,
        @UserAuthorizationKey
   FROM FileUpload.OriginallyLoadedData as old;
    EXEC Process.usp TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Loading Gender data into Gender Table';
END
GO
```

Uses

[CH01-01-Dimension].[DimGender] [FileUpload].[OriginallyLoadedData] [Process].[usp_TrackWorkFlow] Project2 Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_DimGender

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

SQL Script

```
CREATE PROCEDURE [Project2].[Load DimMaritalStatus]
   @UserAuthorizationKey INT
AS
BEGIN
   INSERT INTO [CH01-01-Dimension].[DimMaritalStatus]
       (MaritalStatus, MaritalStatusDescription, UserAuthorizationKey)
   SELECT DISTINCT old.MaritalStatus,
            WHEN old.MaritalStatus = 'M' THEN 'Married'
           WHEN old.MaritalStatus = 'S' THEN 'Single'
        END AS MaritalStatusDescription,
        @UserAuthorizationKey
    FROM FileUpload.OriginallyLoadedData AS old
    EXEC Process.usp TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Loading Data into the DimMaritalStatus Table';
END
GO
```

Uses

[CH01-01-Dimension].[DimMaritalStatus] [FileUpload].[OriginallyLoadedData]

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_DimMarital-Status

[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

SQL Script

```
CREATE PROCEDURE [Project2].[Load DimOccupation]
   @UserAuthorizationKey INT
AS
BEGIN
   INSERT INTO [CH01-01-Dimension].[DimOccupation]
       (OccupationKey, Occupation, UserAuthorizationKey)
   SELECT
       NEXT VALUE FOR [Project2].[DimOccupationSequenceKeys],
       0.0ccupation,
       @UserAuthorizationKey
    FROM (SELECT DISTINCT Occupation
       FROM FileUpload.OriginallyLoadedData) AS O
   EXEC Process.usp_TrackWorkFlow @WorkFlowStepDescription = 'Loading data into the Dim-
Occupation Table', @GroupMemberUserAuthorizationKey = @UserAuthorizationKey;
END
GO
```

Uses

[CH01-01-Dimension].[DimOccupation] [FileUpload].[OriginallyLoadedData] [Process].[usp_TrackWorkFlow] Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_Dim-Occupation

Project2

[Project2].[DimOccupationSequenceKeys]

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

SQL Script

```
CREATE PROCEDURE [Project2].[Load DimOrderDate]
    @UserAuthorizationKey INT
AS
BEGIN
    INSERT INTO [CH01-01-Dimension].[DimOrderDate]
       (OrderDate, MonthName, MonthNumber, [Year], UserAuthorizationKey)
    SELECT
       DISTINCT
       OrderDate,
       MonthName,
        MonthNumber,
        [Year],
        @UserAuthorizationKey
    FROM [FileUpload].OriginallyLoadedData
    {\tt EXEC\ Process.usp\_TrackWorkFlow\ @WorkFlowStepDescription = "Loading\ data\ into\ the\ DimOrderDate}
Table', @GroupMemberUserAuthorizationKey = @UserAuthorizationKey;
END
GO
```

Uses

[CH01-01-Dimension].[DimOrderDate]

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_DimOrder-Date

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

Used By

[Project2].[Load_DimProduct]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

Uses

[Project2].[Load_DimProductCategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

Uses

[Project2].[Load_DimProductSubcategory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

Uses

[Project2].[Load_DimTerritory]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

SQL Script

```
CREATE PROCEDURE [Project2].[Load DimTerritory]
    @UserAuthorizationKey INT
AS
BEGIN
   INSERT INTO [CH01-01-Dimension].[DimTerritory]
        (TerritoryKey, TerritoryGroup, TerritoryCountry, TerritoryRegion, UserAuthorizationKey)
    SELECT
       NEXT VALUE FOR [Project2].[DimTerritorySequenceKeys],
       TerritoryGroup,
        TerritoryCountry,
       TerritoryRegion,
        @UserAuthorizationKey
    FROM (SELECT DISTINCT TerritoryGroup, TerritoryCountry, TerritoryRegion
        FROM [FileUpload].OriginallyLoadedData) AS T
    EXEC Process.usp TrackWorkFlow @WorkFlowStepDescription = 'Loading data into the DimTerritory
Table', @GroupMemberUserAuthorizationKey = @UserAuthorizationKey;
END
GO
```

Uses

[CH01-01-Dimension].[DimTerritory] [FileUpload].[OriginallyLoadedData]

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_DimTerritory

[Process].[usp_TrackWorkFlow]
Project2
[Project2].[DimTerritorySequenceKeys]

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

SQL Script

```
CREATE PROCEDURE [Project2].[Load SalesManagers]
   @UserAuthorizationKey INT
AS
BEGIN
   INSERT INTO [CH01-01-Dimension].[SalesManagers]
       (SalesManagerKey, Category, SalesManager, Office)
   SELECT
       NEXT VALUE FOR [Project2].[SalesManagersSequenceKeys] AS SalesManagerKey,
       NULL AS Category, -- Adjust this according to your data
       SalesManager,
        Office =
               CASE
                   WHEN SalesManager LIKE N'Maurizio%' OR SalesManager LIKE N'Marco%' THEN
'Redmond'
                   WHEN SalesManager LIKE N'Alberto%' OR SalesManager LIKE N'Luis%' THEN
'Seattle'
                END
   FROM (SELECT DISTINCT SalesManager
       FROM FileUpload.OriginallyLoadedData) AS S;
   EXEC Process.usp TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Loading data into the SalesManager Table';
END
GO
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.Load_Sales-Managers

Uses

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

Used By

[Project2].[LoadStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
CREATE PROCEDURE [Project2].[LoadStarSchemaData]
AS
BEGIN
   -- Create Sequence Object for the Process. WorkFlow Table
   EXEC [Project2].[usp WorkFlowStepCounter]
    -- Creates the Work Flow Table to track the Project Tasks
   EXEC [Project2].[CreateWorkFlowStepsTable] @GroupMemberUserAuthorizationKey = 1;
    -- Creates the TrackWorkFlow procedure to help insert into the WorkFlowSteps table
   EXEC [Process].[usp TrackWorkFlow] @GroupMemberUserAuthorizationKey = 1, @WorkFlowStep-
Description = 'Created the Process.usp TrackWorkFlow Procedure'
   -- Creates the UserAuthTable to store the group members in Project2
   EXEC [Project2].[CreateUserAuthtable] @GroupMemberUserAuthorization = 1;
    -- Drops all foreign keys in Fact. Data table
   EXEC [Project2].[DropForeignKeysFromStarSchemaData] @UserAuthorizationKey = 1;
    -- Counts all rows in every table
    EXEC [Project2].[ShowTableStatusRowCount] @UserAuthorizationKey = 1;
    -- Truncate all tables
    EXEC [Project2].[TruncateStarSchemaData] @UserAuthorizationKey = 1;
    -- Creates sequence objects for DimCustomer, DimOccupation, DimProduct, DimTerritory, Sales-
Managers, Data tables
   EXEC [Project2].[CreateSequenceKeysForTables] @UserAuthorizationKey = 2;
    -- Alter the DimCustomer, DimOccupation, DimProduct, DimTerritory, SalesManagers, Data tables
to allow sequence objects
   EXEC [Project2].[AlterTableIdentityKeystoSequenceObjects] @UserAuthorizationKey = 2;
    -- Load each tables data into the appropriate table
```

```
EXEC [Project2].[Load DimCustomer] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load DimMaritalStatus] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load DimGender] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load DimOccupation] @UserAuthorizationKey = 3;
   EXEC [Project2].[Load DimOrderDate] @UserAuthorizationKey = 3;
   EXEC [Project2].[Load DimTerritory] @UserAuthorizationKey = 3;
   EXEC [Project2].[Load SalesManagers] @UserAuthorizationKey = 3;
   -- Create the relationship for the DimProduct, DimProductSubcategory, DimProductCategory and
load data
   EXEC [Project2].[CreateDimProduct DimProductCategory DimProductSubCategoryAndLoadData] @User-
AuthorizationKey = 1;
   EXEC [Project2].[Load Data] @UserAuthorizationKey = 2;
   -- Count the number of rows after adding the data to each table
   EXEC [Project2].[ShowTableStatusRowCount] @UserAuthorizationKey = 1;
   -- Setup all of the Foreign Key relationships
   EXEC [Project2].[AddForeignKeysToStarSchemaData] @UserAuthorizationKey = 3;
END
GO
```

Uses

```
[Process].[usp TrackWorkFlow]
[Project2].[AddForeignKeysToStarSchemaData]
[Project2].[AlterTableIdentityKeystoSequenceObjects]
[Project 2]. [Create Dim Product\_Dim Product Category\_Dim Product Sub Category And Load Data] \\
[Project2].[CreateSequenceKeysForTables]
[Project2].[CreateUserAuthtable]
[Project2].[CreateWorkFlowStepsTable]
[Project2].[DropForeignKeysFromStarSchemaData]
[Project2].[Load_Data]
[Project2].[Load DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load DimMaritalStatus]
[Project2].[Load DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load DimTerritory]
[Project2].[Load SalesManagers]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]
[Project2].[usp_WorkFlowStepCounter]
Project2
```

[Project2].[ShowTableStatusRowCount]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

SQL Script

```
CREATE PROCEDURE [Project2].[ShowTableStatusRowCount]
   @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
                                   SELECT 'DimCustomer' AS [Table Name], COUNT(*) AS Total-
NumberOfRows
       FROM [CH01-01-Dimension].[DimCustomer]
   UNION ALL
       SELECT 'DimGender', COUNT(*)
       FROM [CH01-01-Dimension].[DimGender]
   UNION ALL
       SELECT 'DimMaritalStatus', COUNT(*)
       FROM [CH01-01-Dimension].[DimMaritalStatus]
    UNION ALL
       SELECT 'DimOccupation', COUNT(*)
       FROM [CH01-01-Dimension].[DimOccupation]
    UNION ALL
       SELECT 'DimOrderDate', COUNT(*)
       FROM [CH01-01-Dimension].[DimOrderDate]
    UNION ALL
       SELECT 'DimProduct', COUNT(*)
       FROM [CH01-01-Dimension].[DimProduct]
    UNION ALL
```

```
SELECT 'DimTerritory', COUNT(*)
FROM [CH01-01-Dimension].[DimTerritory]

UNION ALL
SELECT 'SalesManagers', COUNT(*)
FROM [CH01-01-Dimension].[SalesManagers]

UNION ALL
SELECT 'FactData', COUNT(*)
FROM [CH01-01-Fact].[Data]);

EXEC Process.usp_TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Displaying all the row counts of all the old tables.'

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].[DimTerritory]
[CH01-01-Dimension].[SalesManagers]
[CH01-01-Fact].[Data]
[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

```
CREATE PROCEDURE [Project2].[TruncateStarSchemaData]
    @UserAuthorizationKey INT
AS
BEGIN
   TRUNCATE TABLE [CH01-01-Dimension].[DimCustomer];
   TRUNCATE TABLE [CH01-01-Dimension].[DimGender];
   TRUNCATE TABLE [CH01-01-Dimension].[DimMaritalStatus];
   TRUNCATE TABLE [CH01-01-Dimension].[DimOccupation];
   TRUNCATE TABLE [CH01-01-Dimension].[DimOrderDate];
   TRUNCATE TABLE [CH01-01-Dimension].[DimProduct];
   TRUNCATE TABLE [CH01-01-Dimension].[DimTerritory];
   TRUNCATE TABLE [CH01-01-Dimension].[SalesManagers];
   TRUNCATE TABLE [CH01-01-Fact].[Data];
   EXEC Process.usp_TrackWorkFlow @GroupMemberUserAuthorizationKey = @UserAuthorizationKey,
@WorkFlowStepDescription = 'Truncated all old tables';
END
GO
```

Uses

[CH01-01-Dimension].[DimCustomer]

Project > localhost,13001 > User databases > G7_1 > Programmability > Stored Procedures > Project2.TruncateStar-SchemaData

[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]

[CH01-01-Fact].[Data]

[Process].[usp_TrackWorkFlow]

Project2

Used By

[Project 2]. [Load Star Schema Data]

[Project2].[usp_WorkFlowStepCounter]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
CREATE PROCEDURE [Project2].[usp_WorkFlowStepCounter]

AS
BEGIN

DROP SEQUENCE Process.WorkFlowStepTableRowCountBy1

CREATE SEQUENCE Process.WorkFlowStepTableRowCountBy1

AS INT

START WITH 1

INCREMENT BY 1

END
GO
```

Uses

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]
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:
```

Uses

Utils

Scalar-valued Functions

Objects

Name

Utils. Calculate Data Type Byte Storage

[Utils].[CalculateDataTypeByteStorage]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

SQL Script

```
-- -----
-- Author: Peter Heller
-- Create date:
-- Description:
create FUNCTION [Utils].[CalculateDataTypeByteStorage]
   -- Add the parameters for the function here
   @DataType varchar(50)
RETURNS int
AS
BEGIN
   -- Declare the return variable here
   DECLARE @Result int
   -- Return the result of the function
   RETURN CASE
                        WHEN CHARINDEX('(', @DataType, 0) > 0
                            AND SUBSTRING(@DataType, 1, 3) = 'var' THEN
                            CAST (SUBSTRING (
                                             @DataType
                                           , CHARINDEX('(', @DataType, 0) + 1
                                           , LEN(@DataType) - CHARINDEX('(', @DataType, 0) - 1
                                         ) AS INT) + 2
                        WHEN CHARINDEX('(', @DataType, 0) > 0
                             AND SUBSTRING(@DataType, 1, 3) = 'cha' THEN
                            CAST (SUBSTRING (
                                             @DataType
                                           , CHARINDEX('(', @DataType, 0) + 1
```

Project > localhost,13001 > User databases > G7_1 > Programmability > Functions > Scalar-valued Functions > Utils.CalculateDataTypeByteStorage

Uses

Utils



Sequences

Objects

Name

Process. Work Flow Step Table Row Count By 1

Project2.DataSequenceKey

Project2.DataSequenceKeys

Project2.DimCustomerSequenceKeys

Project2.DimOccupationSequenceKeys

Project2.DimTerritorySequenceKeys

Project2.ProductCategorySubcategorySequenceKey

Project2.SalesManagersSequenceKeys

[Process].[WorkFlowStepTableRowCountBy1]

Properties

Property	Value
Owner	Process

SQL Script

```
CREATE SEQUENCE [Process].[WorkFlowStepTableRowCountBy1]

AS int

START WITH 1

INCREMENT BY 1

MINVALUE -2147483648

MAXVALUE 2147483647

NO CYCLE

CACHE

GO
```

Uses

Process

Used By

[Process].[usp_TrackWorkFlow]
[Project2].[CreateWorkFlowStepsTable]

[Project2].[DataSequenceKey]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[DataSequenceKey]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE -9223372036854775808
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
GO
```

Uses

Project2

Used By

[Project2].[Load_Data]

[Project2].[DataSequenceKeys]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[DataSequenceKeys]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE -2147483648
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
```

Uses

[Project2].[DimCustomerSequenceKeys]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[DimCustomerSequenceKeys]

AS int

START WITH 1

INCREMENT BY 1

MINVALUE -2147483648

MAXVALUE 2147483647

NO CYCLE

CACHE

GO
```

Uses

Project2

Used By

[Project2].[Load_DimCustomer]

[Project2].[DimOccupationSequenceKeys]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[DimOccupationSequenceKeys]

AS int

START WITH 1

INCREMENT BY 1

MINVALUE -2147483648

MAXVALUE 2147483647

NO CYCLE

CACHE

GO
```

Uses

Project2

Used By

[Project2].[Load_DimOccupation]

Project > localhost,13001 > User databases > G7_1 > Programmability > Sequences > Project2.DimTerritorySequence-Keys

[Project2].[DimTerritorySequenceKeys]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[DimTerritorySequenceKeys]

AS int

START WITH 1

INCREMENT BY 1

MINVALUE -2147483648

MAXVALUE 2147483647

NO CYCLE

CACHE

GO
```

Uses

Project2

Used By

[Project2].[Load_DimTerritory]

[Project2].[ProductCategorySubcategorySequenceKey]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[ProductCategorySubcategorySequenceKey]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE -9223372036854775808
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
GO
```

Uses

[Project2].[SalesManagersSequenceKeys]

Properties

Property	Value
Owner	Project2

SQL Script

```
CREATE SEQUENCE [Project2].[SalesManagersSequenceKeys]

AS int

START WITH 1

INCREMENT BY 1

MINVALUE -2147483648

MAXVALUE 2147483647

NO CYCLE

CACHE

GO
```

Uses

Project2

Used By

 $[Project 2]. [Load_Sales Managers] \\$

1 Users

Objects

Name	
dbo	
EC3\RedgateBackup	
EC3\thehitman	
guest	
rheller	



Properties

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

SQL Script

```
IF NOT EXISTS (SELECT * FROM master.dbo.syslogins WHERE loginname = N'EC3\RedgateBackup')
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

SQL Script

```
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

SQL Script

GO



Property	Value
Туре	SqlUser
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

CREATE USER [rheller] WITHOUT LOGIN GO

♣ Database Roles

Objects

Name
db_accessadmin
db_backupoperator
db_datareader
db_datawriter
db_ddladmin
db_denydatareader
db_denydatawriter
db_owner
db_securityadmin
public

db_accessadmin

Properties

Property	Value
Owner	dbo

db_backupoperator

Properties

Property	Value
Owner	dbo

db_datareader

Properties

Property	Value
Owner	dbo

Members

• rheller

SQL Script

ALTER ROLE [db_datareader] ADD MEMBER [rheller] GO

Uses

rheller

♣ db_datawriter

Properties

Property	Value
Owner	dbo

♣ db_ddladmin

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

db_owner

Properties

Property Value

Owner	dbo	
Owner	dbo	

Members

- EC3\RedgateBackup
- EC3\thehitman

SQL Script

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

GO

ALTER ROLE [db_owner] ADD MEMBER [EC3\thehitman]

GO
```

Uses

EC3\RedgateBackup
EC3\thehitman

♣ db_securityadmin

Properties

Property	Value
Owner	dbo

nublic 🕰

Properties

Property	Value
Owner	dbo

△ Schemas

Objects

Name
CH01-01-Dimension
CH01-01-Fact
DbSecurity
FileUpload
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].[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]

△ Process

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Process].[WorkFlowSteps]
[Process].[usp_TrackWorkFlow]
[Process].[WorkFlowStepTableRowCountBy1]

△ Project2

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

```
[Project2].[Add UserAuth DateAdded DateOfLastUpdated ToAllTables]
```

[Project2].[AddForeignKeysToStarSchemaData]

[Project2].[AlterTableIdentityKeystoSequenceObjects]

 $[Project 2]. [Create Dim Product_Dim Product Category_Dim Product Sub Category And Load Data] \\$

[Project2].[CreateSequenceKeysForTables]

[Project2].[CreateUserAuthtable]

[Project2].[CreateWorkFlowStepsTable]

[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].[usp_WorkFlowStepCounter]

[Project2].[DataSequenceKey]

[Project2].[DataSequenceKeys]

[Project2].[DimCustomerSequenceKeys]

[Project2].[DimOccupationSequenceKeys]

[Project2].[DimTerritorySequenceKeys]

[Project2].[ProductCategorySubcategorySequenceKey]

[Project2].[SalesManagersSequenceKeys]

⚠ 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]