localhost, 13001 Documentation

BIClass

Server localhost, 13001

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Created Monday, November 18, 2024 5:59:23 PM

File Path C:\Users\tseri\Documents\My Database Documentation\localhost, 13001_documentation-2024-11-18T17-59-23.pdf

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≣ localhost, 13001

Databases (1)

• BIClass

Server Properties

Property	Value		
Product	Microsoft SQL Server		
Version	15.0.4385.2		
Language	English		
Platform	NT x64		
Edition	Developer Edition (64-bit)		
Engine Edition	3 (Enterprise)		
Processors	16		
OS Version	6.2 (9200)		
Physical Memory	6244		
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

Databases (1)

• BIClass

∃ BIClass Database

MS_Description

BIClass Star Schema Database, containing information on bicycle and bicycle-related accessory transactions

Database Properties

Property	Value
SQL Server Version	SqlServer2019
Compatibility Level	SQL Server 2014
Last backup time	11/18/2024
Last log backup time	-
Creation date	Nov 18 2024
Users	7
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	1845.00 MB
Unallocated space	65.52 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	101.00 MB	unlimited	1.00 MB	/var/opt/mssql/data/BIClass.mdf
BIClass_log	Log	1.70 GB	2048.00 GB	10.00 percent	/var/opt/mssql/log/BIClass_log.ldf

Author: tseri

■ Tables

Objects

Name
CH01-01-Dimension.DimCustomer
CH01-01-Dimension.DimGender
CH01-01-Dimension.DimMaritalStatus Dimension of possible marital statuses
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	8:59:24 PM Wednesday, December 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
	CustomerName	varchar(30)	30	NULL allowed	
₽ <mark>%</mark> G	CustomerKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk- Sequence].[DimCustomer- Sequence])
	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	ey Name		Unique
PK	PKDimCusto95011E6452BCF41C	CustomerKey	True

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

(
[CustomerName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[CustomerKey] [int] NOT NULL CONSTRAINT [DFT_DimCustomer_CustomerKey] DEFAULT (NEXT VALUE FOR [PkSequence].[DimCustomerSequence]),
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimCustom_DateA_00AA174D] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimCustom_DateO_019E3B86] DEFAULT (sysdatetime())
) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimCustomer] ADD CONSTRAINT [PK_DimCusto_95011E6452BCF41C]
PRIMARY KEY CLUSTERED ([CustomerKey]) ON [PRIMARY]

GO
```

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[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 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_DimGender	Gender	True

```
CREATE TABLE [CH01-01-Dimension].[DimGender]
[Gender] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[GenderDescription] [varchar] (6) COLLATE SQL Latin1 General CP1 CI AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimGender_DateA_25A691D2] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF DimGender DateO 269AB60B] DEFAULT
(sysdatetime())
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimGender] ADD CONSTRAINT [PK DimGender] PRIMARY KEY CLUSTERED
([Gender]) ON [PRIMARY]
```

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

Uses

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[DimGender]
[Project2].[Load_DimGender]
[Project2].[ShowTableStatusRowCount]
[Project2].[TruncateStarSchemaData]

[CH01-01-Dimension].[DimMaritalStatus]

MS_Description

Dimension of possible marital statuses

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	2
Created	7:46:07 AM Wednesday, December 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	MaritalStatus Single letter for marital status	char(1)	1	NOT NULL	
	MaritalStatusDescription Marital Status written out	varchar(7)	7	NOT NULL	
	UserAuthorizationKey User Authorization Key of group member who worked on Load_DimMaritalStatus	int	4	NOT NULL	
	DateAdded Date First Added	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate Date Last Updated	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK#C	PK_DimMaritalStatus Unique Marital Statuses	MaritalStatus	True

```
CREATE TABLE [CH01-01-Dimension].[DimMaritalStatus]
[MaritalStatus] [char] (1) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[MaritalStatusDescription] [varchar] (7) COLLATE SQL Latin1 General CP1 CI AS NOT NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF DimMarita DateA 278EDA44] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF__DimMarita__DateO__2882FE7D] DEFAULT
```

```
(sysdatetime())
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimMaritalStatus] ADD CONSTRAINT [PK DimMaritalStatus] PRIMARY
KEY CLUSTERED ([MaritalStatus]) ON [PRIMARY]
EXEC sp addextendedproperty N'MS Description', N'Dimension of possible marital statuses',
'SCHEMA', N'CH01-01-Dimension', 'TABLE', N'DimMaritalStatus', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Date First Added', 'SCHEMA', N'CH01-01-
Dimension', 'TABLE', N'DimMaritalStatus', 'COLUMN', N'DateAdded'
EXEC sp addextendedproperty N'MS Description', N'Date Last Updated', 'SCHEMA', N'CH01-01-
Dimension', 'TABLE', N'DimMaritalStatus', 'COLUMN', N'DateOfLastUpdate'
EXEC sp addextendedproperty N'MS Description', N'Single letter for marital status', 'SCHEMA',
N'CH01-01-Dimension', 'TABLE', N'DimMaritalStatus', 'COLUMN', N'MaritalStatus'
EXEC sp addextendedproperty N'MS Description', N'Marital Status written out', 'SCHEMA', N'CH01-
O1-Dimension', 'TABLE', N'DimMaritalStatus', 'COLUMN', N'MaritalStatusDescription'
EXEC sp_addextendedproperty N'MS_Description', N'User Authorization Key of group member who
worked on Load_DimMaritalStatus', 'SCHEMA', N'CH01-01-Dimension', 'TABLE', N'DimMaritalStatus',
'COLUMN', N'UserAuthorizationKey'
EXEC sp_addextendedproperty N'MS_Description', N'Unique Marital Statuses', 'SCHEMA', N'CH01-01-
Dimension', 'TABLE', N'DimMaritalStatus', 'CONSTRAINT', N'PK DimMaritalStatus'
```

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[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 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_DimOccupation	OccupationKey	True

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

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

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

[UserAuthorizationKey] [int] NOT NULL,

[DateAdded] [datetime2] NULL CONSTRAINT [DF__DimOccupa__DateA__297722B6] DEFAULT (sysdatetime()),

[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF__DimOccupa__DateO__2A6B46EF] DEFAULT (sysdatetime()))

) ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimOccupation] ADD CONSTRAINT [PK_DimOccupation] PRIMARY KEY CLUSTERED ([OccupationKey]) ON [PRIMARY]

GO
```

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[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 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_DimOrderDate_1	OrderDate	True

```
CREATE TABLE [CH01-01-Dimension].[DimOrderDate]
[OrderDate] [date] NOT NULL,
[MonthName] [varchar] (10) COLLATE SQL Latin1 General CP1 CI AS NULL,
[MonthNumber] [int] NULL,
[Year] [int] NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimOrderD_DateA_2B5F6B28] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF DimOrderD DateO 2C538F61] DEFAULT
(sysdatetime())
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimOrderDate] ADD CONSTRAINT [PK DimOrderDate 1] PRIMARY KEY
CLUSTERED ([OrderDate]) ON [PRIMARY]
```

GO

Uses

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[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	8:46:24 PM Sunday, December 10, 2017
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
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	
PK <mark>P</mark> G	ProductKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk- Sequence].[DimProduct- Sequence])
	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK	PKDimProduA15E99B3E27177EF	ProductKey	True

Foreign Keys

Name	Columns
FK_DimProduct_DimProductSubCategory	ProductSubcategoryKey->[CH01-01-Dimension].[DimProduct-Subcategory].[ProductSubcategoryKey]

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 CONSTRAINT [DFT DimProduct ProductKey] DEFAULT (NEXT VALUE FOR [Pk-
Sequence].[DimProductSequence]),
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF DimProduc DateA 1FEDB87C] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF DimProduc DateO 20E1DCB5] DEFAULT
(sysdatetime())
) ON [PRIMARY]
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 DimProductSubCategory]
FOREIGN KEY ([ProductSubcategoryKey]) REFERENCES [CH01-01-Dimension].[DimProductSubcategory]
([ProductSubcategoryKey])
```

Uses

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

Used By

[CH01-01-Fact].[Data]
[G10_3].[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	5:44:25 PM Sunday, April 14, 2024
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK _C	PK_DimProdu_4B35CDF0FA2AE613	ProductCategoryKey	True

```
CREATE TABLE [CH01-01-Dimension].[DimProductCategory]
[ProductCategoryKey] [int] NOT NULL CONSTRAINT [DFT DimProductCategory ProductCategoryKey]
DEFAULT (NEXT VALUE FOR [PkSequence].[DimProductCategorySequence]),
[ProductCategory] [varchar] (20) COLLATE SQL Latin1 General CP1 CI AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF__DimProduc__DateA__753864A1] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF DimProduc DateO 762C88DA] DEFAULT
(sysdatetime())
) ON [PRIMARY]
ALTER TABLE [CH01-01-Dimension].[DimProductCategory] ADD CONSTRAINT [PK__Dim-
Produ 4B35CDF0FA2AE613] PRIMARY KEY CLUSTERED ([ProductCategoryKey]) ON [PRIMARY]
```

CH01-01-Dimension

Used By

[CH01-01-Dimension].[DimProductSubcategory]

[G10_3].[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	5:44:25 PM Sunday, April 14, 2024
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimProdu3D21635CEFE3DA40	ProductSubcategoryKey	True

Foreign Keys

Name	Columns
FK_DimProductSubCategory_DimProductCategory	ProductCategoryKey->[CH01-01-Dimension].[DimProduct-Category].[ProductCategoryKey]

```
CREATE TABLE [CH01-01-Dimension].[DimProductSubcategory]
[ProductSubcategoryKey] [int] NOT NULL CONSTRAINT [DFT_DimProductSubcategory_ProductSubcategory-
Key] DEFAULT (NEXT VALUE FOR [PkSequence].[DimProductSubcategorySequence]),
[ProductSubcategory] [varchar] (20) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
[ProductCategoryKey] [int] NOT NULL,
```

```
[UserAuthorizationKey] [int] NOT NULL,

[DateAdded] [datetime2] NULL CONSTRAINT [DF__DimProduc__DateA__7908F585] DEFAULT (sysdatetime()),

[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF__DimProduc__DateO__79FD19BE] DEFAULT
(sysdatetime())

ON [PRIMARY]

GO

ALTER TABLE [CH01-01-Dimension].[DimProductSubcategory] ADD CONSTRAINT [PK__Dim-Produ__3D21635CEFE3DA40] PRIMARY KEY CLUSTERED ([ProductSubcategoryKey]) ON [PRIMARY]

GO

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

GO
```

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

Used By

[CH01-01-Dimension].[DimProduct]
[G10_3].[DimProductSubCategory]
[Project2].[Load_DimProductSubcategory]
[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	5:48:09 PM Wednesday, December 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PKP C	PKDimTerriC54B735D813BBCA6	TerritoryKey	True

```
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,

[TerritoryKey] [int] NOT NULL CONSTRAINT [DFT_DimTerritory_TerritoryKey] DEFAULT (NEXT VALUE FOR [PkSequence].[DimTerritorySequence]),

[UserAuthorizationKey] [int] NOT NULL,

[DateAdded] [datetime2] NULL CONSTRAINT [DF_DimTerrit_DateA_30242045] DEFAULT (sysdatetime()),

[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_DimTerrit_DateO_3118447E] DEFAULT (sysdatetime()))

ON [PRIMARY]
```

```
GO
ALTER TABLE [CH01-01-Dimension].[DimTerritory] ADD CONSTRAINT [PK__DimTerri__C54B735D813BBCA6]
PRIMARY KEY CLUSTERED ([TerritoryKey]) ON [PRIMARY]
GO
```

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]

[G10_3].[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 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

Columns

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

Indexes

Key	Name	Key Columns	Unique
PK	PK_SalesManagers	SalesManagerKey	True

```
CREATE TABLE [CH01-01-Dimension].[SalesManagers]
[SalesManagerKey] [int] NOT NULL CONSTRAINT [DFT_SalesManagers_SalesManagerKey] DEFAULT (NEXT
VALUE FOR [PkSequence].[SalesManagersSequence]),
[{\tt Category}] \ [{\tt varchar}] \ ({\tt 20}) \ {\tt COLLATE} \ {\tt SQL\_Latin1\_General\_CP1\_CI\_AS} \ {\tt NULL},
[SalesManager] [varchar] (50) COLLATE SQL Latin1 General CP1 CI AS NULL,
[Office] [varchar] (50) COLLATE SQL Latin1 General CP1 CI AS NULL,
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_SalesMana_DateA_21D600EE] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_SalesMana_DateO_22CA2527] DEFAULT
(sysdatetime())
) ON [PRIMARY]
```

```
GO
ALTER TABLE [CH01-01-Dimension].[SalesManagers] ADD CONSTRAINT [PK_SalesManagers] PRIMARY KEY
CLUSTERED ([SalesManagerKey]) ON [PRIMARY]
GO
```

CH01-01-Dimension

Used By

[CH01-01-Fact].[Data]
[G10_3].[DimSalesManagers]
[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 2, 2015
Last Modified	8:17:07 PM Monday, November 18, 2024

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].[DataSequence])
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

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_Data	SalesKey	True

Foreign Keys

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

```
CREATE TABLE [CH01-01-Fact].[Data]
[SalesKey] [int] NOT NULL CONSTRAINT [DFT Data SalesKey] DEFAULT (NEXT VALUE FOR [Pk-
Sequence].[DataSequence]),
[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,
[{\tt SalesAmount}] \ [{\tt money}] \ {\tt 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]
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 ([Customer-
Key]) 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 ([Territory-
Key]) REFERENCES [CH01-01-Dimension].[DimTerritory] ([TerritoryKey])
ALTER TABLE [CH01-01-Fact].[Data] ADD CONSTRAINT [FK Data SalesManagers] FOREIGN KEY ([Sales-
ManagerKey]) REFERENCES [CH01-01-Dimension].[SalesManagers] ([SalesManagerKey])
```

[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

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

Used By

[G10_3].[FactData] [Project2].[Load_Data] [Project2].[ShowTableStatusRowCount] [Project2].[TruncateStarSchemaData]

[DbSecurity].[UserAuthorization]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	6
Created	4:49:53 PM Sunday, April 14, 2024
Last Modified	7:09:08 PM Monday, November 18, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK G	UserAuthorizationKey	int	4	NOT NULL	
	ClassTime	nchar(5)	10	NULL allowed	('10:45')
	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	('G381_3')
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_UserAuth0FEC36CB387C1DF9	UserAuthorizationKey	True

```
CREATE TABLE [DbSecurity].[UserAuthorization]
[UserAuthorizationKey] [int] NOT NULL,
[ClassTime] [nchar] (5) COLLATE SQL Latin1 General CP1 CI AS NULL CONSTRAINT [DF UserAutho -
Class 2FBA0BF1] DEFAULT ('10:45'),
[IndividualProject] [nvarchar] (60) COLLATE SQL Latin1 General CP1 CI AS NULL CONSTRAINT [DF -
UserAutho_Indiv_59904A2C] 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 [DEFAULT_-
UserAuthorization_GroupName] DEFAULT ('G381_3'),
[DateAdded] [datetime2] NULL CONSTRAINT [DF UserAutho DateA 5A846E65] DEFAULT (sysdatetime())
```

Project > localhost, 13001 > User databases > BIClass > Tables > DbSecurity.UserAuthorization

ON [PRIMARY]
GO
ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK_UserAuth_OFEC36CB387C1DF9] PRIMARY KEY CLUSTERED ([UserAuthorizationKey]) ON [PRIMARY] GO

Uses

DbSecurity

Used By

[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]
GO
```

Uses

FileUpload

Used By

```
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
[Project2].[Load_DimOccupation]
[Project2].[Load_DimOrderDate]
[Project2].[Load_DimProduct]
[Project2].[Load_DimProductCategory]
[Project2].[Load_DimProductSubcategory]
[Project2].[Load_DimTerritory]
[Project2].[Load_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 (~)	45
Created	4:57:30 PM Sunday, April 14, 2024
Last Modified	8:28:09 PM Sunday, April 14, 2024

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK <mark>P</mark> C	WorkFlowStepKey	int	4	NOT NULL	(NEXT VALUE FOR [Pk- Sequence].[Workflow- StepsSequence])
	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	('07:45')
	UserAuthorizationKey	int	4	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())
	DateOfLastUpdate	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PKWorkflow27726CBFC37F5718	WorkFlowStepKey	True

SQL Script

```
CREATE TABLE [Process].[WorkflowSteps]
 \begin{tabular}{ll} [WorkFlowStepKey] [int] NOT NULL $CONSTRAINT$ [DFT\_WorkflowSteps\_WorkFlowStepKey] $DEFAULT$ (NEXT-VALUE FOR [PkSequence]. [WorkflowStepsSequence]), \end{tabular} 
[WorkFlowStepDescription] [nvarchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[WorkFlowStepTableRowCount] [int] NULL CONSTRAINT [DF WorkflowS WorkF 6CA31EA0] DEFAULT ((0)),
[StartingDateTime] [datetime2] NULL CONSTRAINT [DF WorkflowS Start 6D9742D9] DEFAULT
(sysdatetime()),
```

```
[EndingDateTime] [datetime2] NULL CONSTRAINT [DF_WorkflowS_Endin__6E8B6712] DEFAULT
(sysdatetime()),
[ClassTime] [char] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DF_WorkflowS_-
Class__6F7F8B4B] DEFAULT ('07:45'),
[UserAuthorizationKey] [int] NOT NULL,
[DateAdded] [datetime2] NULL CONSTRAINT [DF_WorkflowS_DateA__7073AF84] DEFAULT (sysdatetime()),
[DateOfLastUpdate] [datetime2] NULL CONSTRAINT [DF_WorkflowS_DateO__7167D3BD] DEFAULT
(sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [Process].[WorkflowSteps] ADD CONSTRAINT [PK_Workflow_27726CBFC37F5718] PRIMARY KEY CLUSTERED ([WorkflowStepKey]) ON [PRIMARY]
GO
```

Uses

Process

Used By

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

■ Views

Objects

Name
G10_3.DimCustomer
G10_3.DimGender
G10_3.DimMaritalStatus
G10_3.DimOccupation
G10_3.DimOrderDate
G10_3.DimProduct
G10_3.DimProductCategory
G10_3.DimProductSubCategory
G10_3.DimSalesManagers
G10_3.DimTerritory
G10_3.FactData
Utils.ShowServerUserNameAndCurrentDatabase A view to keep track of user's current server, database, and username
Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint Metadata on columns currently in database, listing information about how they have been defined
Utils.uvw_FindTablesStorageBytes Metadata on tables and columns in database, and how many storage bytes are allocated to them

[G10_3].[DimCustomer]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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_3].[DimCustomer] AS

SELECT
CustomerKey,
CustomerName,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
FROM [CH01-01-Dimension].[DimCustomer]

GO
```

Uses

[CH01-01-Dimension].[DimCustomer] G10_3

[G10_3].[DimGender]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:05 PM Monday, November 18, 2024
Last Modified	8:17:05 PM Monday, November 18, 2024

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_3].[DimGender] AS

SELECT

Gender,

GenderDescription,

UserAuthorizationKey,

DateAdded,

DateOfLastUpdate

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

GO
```

Uses

[CH01-01-Dimension].[DimGender] G10_3

[G10_3].[DimMaritalStatus]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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_3].[DimMaritalStatus] AS

SELECT

MaritalStatus,

MaritalStatusDescription,

UserAuthorizationKey,

DateAdded,

DateOfLastUpdate

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

GO
```

Uses

[CH01-01-Dimension].[DimMaritalStatus] G10_3

Used By

[Project2].[Load_DimMaritalStatus]

[G10_3].[DimOccupation]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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_3].[DimOccupation] AS

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

GO
```

Uses

 $[CH01\text{-}01\text{-}Dimension].[DimOccupation]\\ G10_3$

Used By

[Project2].[Load_DimOccupation]

[G10_3].[DimOrderDate]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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_3].[DimOrderDate] AS
SELECT OrderDate, MonthName, MonthNumber, UserAuthorizationKey, DateAdded, DateOfLastUpdate
FROM [CH01-01-Dimension].[DimOrderDate]
GO
```

Uses

[CH01-01-Dimension].[DimOrderDate] G10_3

Used By

[Project2].[Load_DimOrderDate]

[G10_3].[DimProduct]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:05 PM Monday, November 18, 2024
Last Modified	8:17:05 PM Monday, November 18, 2024

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_3].[DimProduct] AS

SELECT

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

Project > localhost, 13001 > User databases > BIClass > Views > $G10_3.DimProduct$

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

Uses

[CH01-01-Dimension].[DimProduct] G10_3

Used By

[Project2].[Load_DimProduct]

[G10_3].[DimProductCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:05 PM Monday, November 18, 2024
Last Modified	8:17:05 PM Monday, November 18, 2024

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_3].[DimProductCategory] AS

SELECT

ProductCategoryKey,
ProductCategory,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
FROM [CH01-01-Dimension].[DimProductCategory]

GO
```

Uses

 $\label{lem:condition} \begin{tabular}{ll} $[CH01$-01-Dimension]. [DimProductCategory] \\ $G10_3$ \end{tabular}$

Used By

[Project2].[Load_DimProductCategory]

[G10_3].[DimProductSubCategory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:05 PM Monday, November 18, 2024
Last Modified	8:17:05 PM Monday, November 18, 2024

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_3].[DimProductSubCategory] AS

SELECT

ProductSubCategoryKey,

ProductCategoryKey,

ProductSubcategory,

UserAuthorizationKey,

DateAdded,

DateOfLastUpdate

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

GO
```

Uses

 $\label{lem:condition} \begin{tabular}{ll} [CH01-01-Dimension]. [DimProductSubcategory] \\ G10_3 \end{tabular}$

Project > localhost, 13001 > User databases > BIClass > Views > G10_3.DimProductSubCategory

Used By

[Project2].[Load_DimProductSubcategory]

[G10_3].[DimSalesManagers]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:05 PM Monday, November 18, 2024
Last Modified	8:17:05 PM Monday, November 18, 2024

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_3].[DimSalesManagers] AS

SELECT

SalesManagerKey,
SalesManager,
Category,
Office,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
FROM [CH01-01-Dimension].[SalesManagers]

GO
```

Uses

[CH01-01-Dimension].[SalesManagers] G10_3

Project > localhost, 13001 > User databases > BIClass > Views > G10_3.DimSalesManagers

Used By

[Project2].[Load_SalesManagers]

[G10_3].[DimTerritory]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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_3].[DimTerritory] AS

SELECT

TerritoryKey,
TerritoryGroup,
TerritoryCountry,
TerritoryRegion,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
FROM [CH01-01-Dimension].[DimTerritory]

GO
```

Uses

[CH01-01-Dimension].[DimTerritory] G10_3

Project > localhost, 13001 > User databases > BIClass > Views > G10_3.DimTerritory

Used By

[Project2].[Load_DimTerritory]

[G10_3].[FactData]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	8:17:06 PM Monday, November 18, 2024
Last Modified	8:17:06 PM Monday, November 18, 2024

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

SQL Script

```
CREATE VIEW [G10_3].[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
        From [CH01-01-Fact].[Data]
GO
```

Uses

[CH01-01-Fact].[Data] G10_3 Project > localhost, 13001 > User databases > BIClass > Views > G10_3.FactData

Used By

[Project2].[Load_Data]

[Utils].[ShowServerUserNameAndCurrentDatabase]

MS_Description

A view to keep track of user's current server, database, and username

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 Name of server user is in	nvarchar(128)	256
YourUserName Username	nvarchar(128)	256
CurrentDatabase Current working database	nvarchar(128)	256

SQL Script

```
create view [Utils].[ShowServerUserNameAndCurrentDatabase]

as

select ServerName= @@SERVERNAME

, YourUserName = system_user
, CurrentDatabase = db_name();

GO

EXEC sp_addextendedproperty N'MS_Description', N'A view to keep track of user''s current server, database, and username', 'SCHEMA', N'Utils', 'VIEW', N'ShowServerUserNameAndCurrentDatabase', NULL, NULL

GO

EXEC sp_addextendedproperty N'MS_Description', N'Current working database', 'SCHEMA', N'Utils', 'VIEW', N'ShowServerUserNameAndCurrentDatabase', 'COLUMN', N'CurrentDatabase'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Name of server user is in', 'SCHEMA', N'Utils', 'VIEW', N'ShowServerUserNameAndCurrentDatabase', 'COLUMN', N'ServerName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Name of server user is in', 'SCHEMA', N'Utils', 'VIEW', N'Show-ServerUserNameAndCurrentDatabase', 'COLUMN', N'ServerName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Username', 'SCHEMA', N'Utils', 'VIEW', N'Show-ServerUserNameAndCurrentDatabase', 'COLUMN', N'YourUserName'
```

Project > localhost, 13001 > User databases > BIClass > Views > Utils.ShowServerUserNameAndCurrentDatabase

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[Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]

MS_Description

Metadata on columns currently in database, listing information about how they have been defined

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 Schema_name.table_name	nvarchar(257)	514
SchemaName Name of associated schema	[sys].[sysname]	256
TableName Name of table	[sys].[sysname]	256
ColumnName column name	[sys].[sysname]	256
OrdinalPosition ordinal position	int	4
FullyQualifiedDomainName Schema name of domain name and domain name	nvarchar(257)	514
DomainName Name of domain name	[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
FROM
       ( SELECT TABLE CATALOG ,
                   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
EXEC sp_addextendedproperty N'MS_Description', N'Metadata on columns currently in database,
listing information about how they have been defined', 'SCHEMA', N'Utils', 'VIEW', N'uvw Find-
ColumnDefinitionPlusDefaultAndCheckConstraint', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'column name', 'SCHEMA', N'Utils', 'VIEW',
N'uww FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'ColumnName'
EXEC sp addextendedproperty N'MS Description', N'Name of domain name', 'SCHEMA', N'Utils',
'VIEW', N'uvw FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'DomainName'
```

```
EXEC sp_addextendedproperty N'MS_Description', N'Schema name of domain name and domain name',
'SCHEMA', N'Utils', 'VIEW', N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN',
N'FullyQualifiedDomainName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Schema_name.table_name', 'SCHEMA', N'Utils',
'VIEW', N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'FullyQualified-
TableName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'ordinal position', 'SCHEMA', N'Utils', 'VIEW',
N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'OrdinalPosition'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Name of associated schema', 'SCHEMA', N'Utils',
'VIEW', N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'SchemaName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Name of table', 'SCHEMA', N'Utils',
'VIEW', N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'TableName'

GO

EXEC sp_addextendedproperty N'MS_Description', N'Name of table', 'SCHEMA', N'Utils', 'VIEW',
N'uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint', 'COLUMN', N'TableName'

GO
```

Uses

Utils

Used By

[Utils].[uvw FindTablesStorageBytes]

[Utils].[uvw_FindTablesStorageBytes]

MS_Description

Metadata on tables and columns in database, and how many storage bytes are allocated to them

Properties

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

Columns

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

SQL Script

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

Uses

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

Stored Procedures

Objects

Name

Process.usp ShowWorkflowSteps

Process.usp_TrackWorkFlow

Creates an entry in [Process]. WorkFlowSteps table

Project2.AddForeignKeysToStarSchemaData

Procedure to add foreign key relations back to Fact table, as well as the DimProduct and DimSubcategory table

Project2.DropForeignKeysFromStarSchemaData

Procedure to drop all foreign key relations from Star Schema Data prior to truncation

Project2.Load_Data

Loads data from FileUpload. OriginallyLoadedData back into CH01-01Fact. Data table, referencing the other Dimension tables

Project2.Load DimCustomer

Loads unique customer names back into DimCustomer from FileUpload OriginallyLoadedData

Project2.Load DimGender

Loads gender options back into DimGender from FileUpload.OriginallyLoadedData

Project2.Load DimMaritalStatus

Loads marital statuses back into DimMaritalStatus from FileUpload.OriginallyLoadedData

Project2.Load DimOccupation

Loads all occupation types of customers back into DimOccupation table from FileUpload.OriginallyLoadedData

Project2.Load DimOrderDate

Loads dates on which orders were made back into DimOrderDate from FileUpload.OriginallyLoadedData

Project2.Load_DimProduct

Loads Product information back into DimProduct from FileUpload OriginallyLoadedData

Project2.Load DimProductCategory

Loads product category information back into DimProductCategory from FileUpload.OriginallyLoadedData

Project2.Load DimProductSubcategory

Loads product subcategory information back into DimProductSubcategory from FileUpload.OriginallyLoadedData and DimProduct-Category

Project2.Load DimTerritory

Loads territory information back into DimTerritory from FileUpload.OriginallyLoadedData

Project2.Load_SalesManagers

Loads information on sales managers, product categories they've made sales in, and also office information back into Sales-Managers table from FileUpload.OriginallyLoadedData

Project2.LoadStarSchemaData

Calls all the stored procedures to drop foreign key relations, truncate tables, reload star schema, and then recreate foreign key relations

Project2.ShowTableStatusRowCount

Outputs table row counts for each table in Star Schema, showing successful truncation or recreation

Project2.TruncateStarSchemaData

Procedure to truncate all tables in database except for FileUpload.OriginallyLoadedData, removing all rows from each table

Utils.DropProcsInCSCI331FinalProject

Drops all processes from BIClass Database

[Process].[usp_ShowWorkflowSteps]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

Uses

[Process].[WorkflowSteps]

Process

[Process].[usp_TrackWorkFlow]

MS_Description

Creates an entry in [Process]. WorkFlowSteps table

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@WorkflowDescription Description of task performed during this work flow step	nvarchar(100)	200
@WorkFlowStepTableRowCount Number of rows restored to table in this procedure	int	4
@StartingDateTime Start time of procedure call	datetime2	8
@EndingDateTime End time of procedure call	datetime2	8
@UserAuthorizationKey User Authorization key of group member who worked on this procedure	int	4

SQL Script

```
-- -----
-- Author: Rahib
-- Create date: 11/13/24
-- Description: Track work flow
-- -----
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
   \mbox{--} interfering with SELECT statements.
   SET NOCOUNT ON;
```

```
-- Insert statements for procedure here
   INSERT INTO [Process].[WorkflowSteps]
        WorkFlowStepDescription,
        WorkFlowStepTableRowCount,
        StartingDateTime,
        EndingDateTime,
        [ClassTime],
        UserAuthorizationKey
   VALUES
        (@WorkflowDescription, @WorkFlowStepTableRowCount, @StartingDateTime, @EndingDateTime,
            @UserAuthorizationKey);
END;
GO
EXEC sp addextendedproperty N'MS Description', N'Creates an entry in [Process].WorkFlowSteps
table', 'SCHEMA', N'Process', 'PROCEDURE', N'usp_TrackWorkFlow', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'End time of procedure call', 'SCHEMA',
N'Process', 'PROCEDURE', N'usp_TrackWorkFlow', 'PARAMETER', N'@EndingDateTime'
EXEC sp_addextendedproperty N'MS_Description', N'Start time of procedure call', 'SCHEMA',
N'Process', 'PROCEDURE', N'usp TrackWorkFlow', 'PARAMETER', N'@StartingDateTime
EXEC sp addextendedproperty N'MS Description', N'User Authorization key of group member who
worked on this procedure', 'SCHEMA', N'Process', 'PROCEDURE', N'usp_TrackWorkFlow', 'PARAMETER',
N'@UserAuthorizationKey'
EXEC sp_addextendedproperty N'MS_Description', N'Description of task performed during this work
flow step', 'SCHEMA', N'Process', 'PROCEDURE', N'usp TrackWorkFlow', 'PARAMETER', N'@Workflow-
Description'
EXEC sp_addextendedproperty N'MS_Description', N'Number of rows restored to table in this
procedure', 'SCHEMA', N'Process', 'PROCEDURE', N'usp TrackWorkFlow', 'PARAMETER', N'@WorkFlow-
StepTableRowCount'
GO
```

[Process].[WorkflowSteps]

Process

Used By

```
[Project2].[AddForeignKeysToStarSchemaData]
[Project2].[DropForeignKeysFromStarSchemaData]
[Project2].[Load_Data]
[Project2].[Load_DimCustomer]
[Project2].[Load_DimGender]
[Project2].[Load_DimMaritalStatus]
```

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

[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]

MS_Description

Procedure to add foreign key relations back to Fact table, as well as the DimProduct and DimSubcategory table

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
-- Author: Sebastian Rodriguez
-- Create date: 11/13/24
-- Description: Adding 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.
   declare @WorkFlowStepDescription nvarchar;
   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);
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC [Process].[usp TrackWorkFlow] 'Add Foreign Keys',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
END;
GO
EXEC sp addextendedproperty N'MS Description', N'Procedure to add foreign key relations back to
Fact table, as well as the DimProduct and DimSubcategory table', 'SCHEMA', N'Project2',
'PROCEDURE', N'AddForeignKeysToStarSchemaData', NULL, NULL
GO
```

[Process].[usp_TrackWorkFlow] Project2

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.AddForeignKeys-ToStarSchemaData

Used By

[Project2].[DropForeignKeysFromStarSchemaData]

MS_Description

Procedure to drop all foreign key relations from Star Schema Data prior to truncation

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
-- Author: Rahib Khandaker
-- Create date: 11/13/24
-- Description: Drop the Foreign Keys From the Star Schema
-- -----
CREATE PROCEDURE [Project2].[DropForeignKeysFromStarSchemaData]
   @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2 = SYSDATETIME();
   DECLARE @WorkFlowStepDescription nvarchar = 'Drop Foreign Keys';
   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 DimProductSubCategory;
   ALTER TABLE [CH01-01-Dimension].[DimProductSubCategory]
   DROP CONSTRAINT FK_DimProductSubCategory_DimProductCategory;
```

[Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_Data]

MS_Description

Loads data from FileUpload.OriginallyLoadedData back into CH01-01Fact.Data table, referencing the other Dimension tables

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
-- Author: Marcus Gale
-- Create date: 11/13/24
-- Description: Populating the Data Table
-- ------
CREATE PROCEDURE [Project2].[Load_Data]
   @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
   SET @UserAuthorizationKey = 5;
   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
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
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.ProductSubcategory LEFT JOIN
    [CH01-01-Dimension].DimOccupation as do
    on do.Occupation = old.Occupation
---VIEW for NEW Table---
EXEC ('
DROP VIEW IF EXISTS G10 3.FactData');
EXEC ('
CREATE VIEW G10 3.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
        From [CH01-01-Fact].[Data]');
   ---VIEW for NEW Table--
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
   FROM [CH01-01-Fact].[Data]);
   EXEC [Process].[usp TrackWorkFlow] 'Loads data into [CH01-01-Fact].[Data]',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
   SELECT *
   FROM G10 3.FactData;
END;
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads data from FileUpload.OriginallyLoadedData
back into CH01-01Fact.Data table, referencing the other Dimension tables', 'SCHEMA', N'Project2',
'PROCEDURE', N'Load Data', NULL, NULL
```

```
[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]
[G10_3].[FactData]
[Process].[usp_TrackWorkFlow]
Project2
```

Used By

[Project2].[Load_DimCustomer]

MS_Description

Loads unique customer names back into DimCustomer from FileUpload.OriginallyLoadedData

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
-- Author: Marcus Gale
-- Create date: 11/13/24
-- Description: Populating the Customer Table
-- -----
CREATE PROCEDURE [Project2].[Load_DimCustomer]
   @UserAuthorizationKey int
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @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
    ---VIEW for NEW Table---
    EXEC ('
    DROP VIEW IF EXISTS G10 3.DimCustomer')
    EXEC ('
    CREATE VIEW G10 3.DimCustomer AS
    SELECT
    CustomerKey,
    CustomerName,
    UserAuthorizationKey,
    DateAdded,
    DateOfLastUpdate
    FROM [CH01-01-Dimension].[DimCustomer] ')
    ---VIEW for NEW Table--
    DECLARE @EndingDateTime DATETIME2;
    set @EndingDateTime = SYSDATETIME()
    DECLARE @WorkFlowStepTableRowCount INT;
    SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
    FROM [CH01-01-Dimension].DimCustomer);
    EXEC [Process].[usp_TrackWorkFlow]
         'Loads data into [CH01-01-Dimension].[DimCustomer]',
         @WorkFlowStepTableRowCount,
         @StartingDateTime,
         @EndingDateTime,
         @UserAuthorizationKey
    EXEC('SELECT * FROM G10 3.DimCustomer')
END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads unique customer names back into Dim-Customer from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load_Dim-
Customer', NULL, NULL
GO
```

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

Uses

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

Used By

[Project2].[Load_DimGender]

MS_Description

Loads gender options back into DimGender from FileUpload.OriginallyLoadedData

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
Tsering Wangyal Bista Lowa
-- Create date: 11/13/24
-- Description: Populating the Gender Table
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 @WorkFlowStepDescription nvarchar;
   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
    ---VIEW for NEW Table---
    EXEC ('
   DROP VIEW IF EXISTS G10 3.DimGender')
   EXEC ('
   CREATE VIEW G10 3.DimGender AS
   SELECT
   Gender,
   GenderDescription,
   UserAuthorizationKey,
   DateAdded,
   DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimGender] ')
    ---VIEW for NEW Table--
   DECLARE @EndingDateTime DATETIME2;
   set @EndingDateTime = SYSDATETIME()
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
   FROM [CH01-01-Dimension].DimGender);
   EXEC [Process].[usp TrackWorkFlow]
        'Loads data into [CH01-01-Dimension].[DimGender]',
        @WorkFlowStepTableRowCount,
        @StartingDateTime,
        @EndingDateTime,
        @UserAuthorizationKey
    EXEC('SELECT * FROM G10 3.DimGender')
END:
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads gender options back into DimGender from
FileUpload.OriginallyLoadedData , 'SCHEMA', N'Project2', 'PROCEDURE', N'Load DimGender', NULL,
NULL
GO
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.Load_DimGender

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

Used By

[Project2].[Load_DimMaritalStatus]

MS_Description

Loads marital statuses back into DimMaritalStatus from FileUpload.OriginallyLoadedData

Properties

Property	Value	
ANSI Nulls On	True	
Quoted Identifier On	True	

Parameters

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

```
-- Author: Almas Haque
-- Create date: 11/13/24
-- Description: Populating the Marital Status Table
-- -----
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 OLD.MaritalStatus = 'M' THEN
                  'Married'
              ELSE
                   'Single'
          END AS MaritalStatusDescription,
        @UserAuthorizationKey,
        @DateAdded,
        @DateOfLastUpdate
   FROM FileUpload.OriginallyLoadedData AS OLD;
   EXEC ('
   DROP VIEW IF EXISTS G10 3.DimMaritalStatus');
   CREATE VIEW G10 3.DimMaritalStatus AS
   SELECT
   MaritalStatus,
   MaritalStatusDescription,
   UserAuthorizationKey,
   DateAdded,
   DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimMaritalStatus] ');
   ---VIEW for NEW Table--
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
   FROM [CH01-01-Dimension].DimMaritalStatus);
   EXEC [Process].[usp TrackWorkFlow] 'Loads data into [CH01-01-Dimension].[DimMaritalStatus]',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
   SELECT *
   FROM G10 3.DimMaritalStatus;
END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads marital statuses back into DimMarital-
Status from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load Dim-
MaritalStatus', NULL, NULL
GO
```

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

Uses

[CH01-01-Dimension].[DimMaritalStatus] [FileUpload].[OriginallyLoadedData] [G10_3].[DimMaritalStatus] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimOccupation]

MS_Description

Loads all occupation types of customers back into DimOccupation table from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Almas Haque
-- Create date: 4/13/24
-- Description: Populating the Occupation Table
-- ------
CREATE PROCEDURE [Project2].[Load DimOccupation]
   @UserAuthorizationKey INT
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @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 Old. [Occupation],
        @UserAuthorizationKey,
        @DateAdded,
        @DateOfLastUpdate
    FROM FileUpload.OriginallyLoadedData AS OLD
    ---VIEW for NEW Table---
   EXEC ('
    DROP VIEW IF EXISTS G10 3.DimOccupation')
   EXEC ('
   CREATE VIEW G10 3.DimOccupation AS
   SELECT
   OccupationKey,
   Occupation,
   UserAuthorizationKey,
   DateAdded,
   DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimOccupation] ')
    ---VIEW for NEW Table--
   DECLARE @EndingDateTime DATETIME2;
    set @EndingDateTime = SYSDATETIME()
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
   FROM [CH01-01-Dimension].DimOccupation);
    EXEC [Process].[usp TrackWorkFlow]
        'Loads data into [CH01-01-Dimension].[DimOccupation]',
        @WorkFlowStepTableRowCount,
        @StartingDateTime,
        @EndingDateTime,
        @UserAuthorizationKey
    SELECT *
    FROM G10 3.DimOccupation
END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads all occupation types of customers back
into DimOccupation table from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2',
'PROCEDURE', N'Load DimOccupation', NULL, NULL
GO
```

Project > localhost, 13001 > User databases > BlClass > Programmability > Stored Procedures > Project2.Load_Dim-Occupation

Uses

[CH01-01-Dimension].[DimOccupation] [FileUpload].[OriginallyLoadedData] [G10_3].[DimOccupation] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimOrderDate]

MS_Description

Loads dates on which orders were made back into DimOrderDate from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Almas Haque
-- Create date: 11/13/24
-- Description: Populating the Order Date Table
-- -----
CREATE PROCEDURE [Project2].[Load DimOrderDate]
   @UserAuthorizationKey INT
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @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 OLD.[OrderDate],
        OLD.[MonthName],
        OLD.MonthNumber,
        OLD.[Year],
         @UserAuthorizationKey,
         @DateAdded,
         @DateOfLastUpdate
    from FileUpload.OriginallyLoadedData as OLD
    ORDER BY OLD.OrderDate
    ---VIEW for NEW Table---
    EXEC ('
    DROP VIEW IF EXISTS G10_3.DimOrderDate')
    EXEC ('
    CREATE VIEW G10 3.DimOrderDate AS
    SELECT OrderDate, MonthName, MonthNumber, UserAuthorizationKey, DateAdded, DateOfLastUpdate
    FROM [CH01-01-Dimension].[DimOrderDate] ')
    ---VIEW for NEW Table--
    DECLARE @EndingDateTime DATETIME2;
    set @EndingDateTime = SYSDATETIME()
    DECLARE @WorkFlowStepTableRowCount INT;
    SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
    FROM [CH01-01-Dimension].DimOrderDate);
    EXEC [Process].[usp_TrackWorkFlow]
         'Loads data into [CH01-01-Dimension].[DimOrderDate]',
         @WorkFlowStepTableRowCount,
        @StartingDateTime,
         @EndingDateTime,
         @UserAuthorizationKey
    SELECT *
    FROM G10 3.DimOrderDate
END
EXEC sp_addextendedproperty N'MS_Description', N'Loads dates on which orders were made back into DimOrderDate from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load_-
DimOrderDate', NULL, NULL
GO
```

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

Uses

[CH01-01-Dimension].[DimOrderDate] [FileUpload].[OriginallyLoadedData] [G10_3].[DimOrderDate] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[Load_DimProduct]

MS_Description

Loads Product information back into DimProduct from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
Heidi Luna Vicuna
-- Create date: 4/13/24
-- Description: Populating Product Table
CREATE PROCEDURE [Project2].[Load DimProduct]
   @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].[DimProduct]
       (
       ProductSubcategoryKey,
       ProductCategory,
       ProductSubcategory,
       ProductCode,
```

```
ProductName,
    Color,
    ModelName,
    UserAuthorizationKey,
    DateAdded,
    DateOfLastUpdate
SELECT DISTINCT
  DPSC.ProductSubcategoryKey,
   OLD.ProductCategory,
    DPSC.ProductSubcategory,
   OLD.ProductCode,
   OLD.ProductName,
    OLD.Color,
    OLD.ModelName,
    @UserAuthorizationKey,
    @DateAdded,
    @DateOfLastUpdate
FROM FileUpload.OriginallyLoadedData AS OLD
    FULL JOIN [CH01-01-Dimension].[DimProductSubCategory] AS DPSC
    ON OLD.[ProductSubcategory] = DPSC.[ProductSubcategory];
---VIEW for NEW Table---
EXEC ('
DROP VIEW IF EXISTS G10 3.DimProduct');
EXEC ('
CREATE VIEW G10 3.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]);
EXEC [Process].[usp_TrackWorkFlow] 'Loads data into [CH01-01-Dimension].[DimProduct]',
                                   @WorkFlowStepTableRowCount,
                                   @StartingDateTime,
                                   @EndingDateTime,
```

```
@UserAuthorizationKey;

SELECT *
FROM G10_3.DimProduct;

END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads Product information back into DimProduct from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load_DimProduct', NULL, NULL
GO
```

[CH01-01-Dimension].[DimProduct]
[CH01-01-Dimension].[DimProductSubcategory]
[FileUpload].[OriginallyLoadedData]
[G10_3].[DimProduct]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimProductCategory]

MS_Description

Loads product category information back into DimProductCategory from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Heidi Luna Vicuna
-- Create date: 11/13/24
-- Description: Populating Product Category Table
-- -----
CREATE PROCEDURE [Project2].[Load DimProductCategory]
   @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].[DimProductCategory]
       ProductCategory,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
```

```
SELECT DISTINCT
       FileUpload.OriginallyLoadedData.[ProductCategory],
        @UserAuthorizationKey,
        @DateAdded,
        @DateOfLastUpdate
    FROM FileUpload.OriginallyLoadedData;
    ---VIEW for NEW Table---
   EXEC ('
   DROP VIEW IF EXISTS G10 3.DimProductCategory');
   EXEC ('
   CREATE VIEW G10 3.DimProductCategory AS
   SELECT
   ProductCategoryKey,
   ProductCategory,
   UserAuthorizationKey,
   DateAdded,
   DateOfLastUpdate
   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] 'Loads data into [CH01-01-Dimension].[DimProduct-
Category]',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
   SELECT *
   FROM G10 3.DimProductCategory;
END
GO
EXEC sp addextendedproperty N'MS Description', N'Loads product category information back into
DimProductCategory from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE',
N'Load DimProductCategory', NULL, NULL
GO
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.Load_DimProduct-Category

Uses

[CH01-01-Dimension].[DimProductCategory] [FileUpload].[OriginallyLoadedData] [G10_3].[DimProductCategory] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project 2]. [Load Star Schema Data]

[Project2].[Load_DimProductSubcategory]

MS_Description

Loads product subcategory information back into DimProductSubcategory from FileUpload.OriginallyLoadedData and DimProductCategory

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- Author: Heidi Luna Vicuna
-- Create date: 11/13/24
-- Description: Populating ProductSubCategory Table
-- -----
CREATE PROCEDURE [Project2].[Load DimProductSubcategory]
   @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].[DimProductSubCategory]
       ProductCategoryKey,
       ProductSubcategory,
```

```
UserAuthorizationKey,
        DateAdded,
       DateOfLastUpdate
   SELECT DISTINCT
       DPC.ProductCategoryKey,
       OLD. ProductSubcategory,
        @UserAuthorizationKey,
        @DateAdded,
       @DateOfLastUpdate
   FROM FileUpload.OriginallyLoadedData AS OLD
        FULL JOIN [CH01-01-Dimension].[DimProductCategory] AS DPC
        ON OLD.[ProductCategory] = DPC.[ProductCategory];
   ---VIEW for NEW Table---
   EXEC ('
   DROP VIEW IF EXISTS G10 3.DimProductSubCategory');
   CREATE VIEW G10 3.DimProductSubCategory AS
   SELECT
   ProductSubCategoryKey,
   ProductCategoryKey,
   ProductSubcategory,
   UserAuthorizationKey,
   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] 'Loads data into [CH01-01-Dimension].[DimProductSub-
Category]',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
   SELECT *
   FROM G10 3.DimProductSubCategory;
END;
GO
EXEC sp addextendedproperty N'MS Description', N'Loads product subcategory information back into
DimProductSubcategory from FileUpload.OriginallyLoadedData and DimProductCategory', 'SCHEMA',
N'Project2', 'PROCEDURE', N'Load DimProductSubcategory', NULL, NULL
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.Load_DimProduct-Subcategory

GO

Uses

[CH01-01-Dimension].[DimProductCategory]
[CH01-01-Dimension].[DimProductSubcategory]
[FileUpload].[OriginallyLoadedData]
[G10_3].[DimProductSubCategory]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[Load_DimTerritory]

MS_Description

Loads territory information back into DimTerritory from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
Marcus Gale
-- Author:
-- Create date: 11/13/24
-- Description: Populating the Territory Table
CREATE PROCEDURE [Project2].[Load_DimTerritory]
   @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].DimTerritory
        [TerritoryRegion],
        [TerritoryCountry],
        [TerritoryGroup],
```

```
UserAuthorizationKey,
        DateAdded,
        DateOfLastUpdate)
   SELECT
       DISTINCT
        OLD. [TerritoryRegion],
        OLD. [TerritoryCountry],
        OLD. [TerritoryGroup],
        @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].DimTerritory);
   EXEC ('
   DROP VIEW IF EXISTS G10_3.DimTerritory')
   EXEC ('
   CREATE VIEW G10 3.DimTerritory AS
   SELECT
   TerritoryKey,
   TerritoryGroup,
   TerritoryCountry,
   TerritoryRegion,
   UserAuthorizationKey,
   DateAdded,
   DateOfLastUpdate
   FROM [CH01-01-Dimension].[DimTerritory] ')
    EXEC [Process].[usp_TrackWorkFlow]
        'Loads data into [CH01-01-Dimension].[DimTerritory]',
        @WorkFlowStepTableRowCount,
        @StartingDateTime,
        @EndingDateTime,
        @UserAuthorizationKey
    SELECT *
   FROM G10 3.DimTerritory
END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Loads territory information back into Dim-
Territory from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load Dim-
Territory', NULL, NULL
GO
```

Uses

[CH01-01-Dimension].[DimTerritory] [FileUpload].[OriginallyLoadedData] [G10_3].[DimTerritory] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[LoadStarSchemaData]

[Project2].[Load_SalesManagers]

MS_Description

Loads information on sales managers, product categories they've made sales in, and also office information back into Sales-Managers table from FileUpload.OriginallyLoadedData

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
-- -----
-- Author: Tsering Wangyal Bista Lowa
-- Create date: 11/13/24
-- Description: Populating the Sales Managers Table
-- -----
CREATE PROCEDURE [Project2].[Load SalesManagers]
   @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].[SalesManagers]
```

```
(SalesManager,
    Category,
    Office,
    UserAuthorizationKey,
    DateAdded,
    DateOfLastUpdate)
SELECT
    DISTINCT OLD.[SalesManager],
    OLD.[ProductSubcategory],
    Office = CASE
                 WHEN OLD.SalesManager LIKE 'Marco%' THEN
                     'Redmond'
                 WHEN OLD.SalesManager LIKE 'Alberto%' THEN
                     'Seattle'
                 WHEN OLD. SalesManager LIKE 'Maurizio%' THEN
                     'Redmond'
                 ELSE
                     'Seattle'
             END,
    @UserAuthorizationKey,
    @DateAdded,
    @DateOfLastUpdate
FROM FileUpload.OriginallyLoadedData AS OLD
DECLARE @EndingDateTime DATETIME2;
set @EndingDateTime = SYSDATETIME()
DECLARE @WorkFlowStepTableRowCount INT;
SET @WorkFlowStepTableRowCount = (SELECT COUNT(*)
FROM [CH01-01-Dimension].SalesManagers);
----New Table View----
EXEC ('
DROP VIEW IF EXISTS G10 3.DimSalesManagers')
EXEC ('
CREATE VIEW G10 3.DimSalesManagers AS
SELECT
SalesManagerKey,
SalesManager,
Category,
Office,
UserAuthorizationKey,
DateAdded,
DateOfLastUpdate
FROM [CH01-01-Dimension].[SalesManagers] ')
----New Table View----
```

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

```
EXEC [Process].[usp_TrackWorkFlow]
    'Loads data into [CH01-01-Dimension].[SalesManagers]',
    @WorkFlowStepTableRowCount,
    @StartingDateTime,
    @EndingDateTime,
    @UserAuthorizationKey

SELECT *
    FROM G10_3.DimSalesManagers
END
G0
EXEC sp_addextendedproperty N'MS_Description', N'Loads information on sales managers, product categories they''ve made sales in, and also office information back into SalesManagers table from FileUpload.OriginallyLoadedData ', 'SCHEMA', N'Project2', 'PROCEDURE', N'Load_SalesManagers', NULL, NULL
G0
```

Uses

[CH01-01-Dimension].[SalesManagers] [FileUpload].[OriginallyLoadedData] [G10_3].[DimSalesManagers] [Process].[usp_TrackWorkFlow] Project2

Used By

[Project2].[LoadStarSchemaData]

[Project2].[LoadStarSchemaData]

MS_Description

Calls all the stored procedures to drop foreign key relations, truncate tables, reload star schema, and then recreate foreign key relations

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

```
-- Author: Rahib Khandaker
-- Create date: 11/13/24
-- Description: Loading In All Data to each table/Recreate Star Schema
CREATE PROCEDURE [Project2].[LoadStarSchemaData]
AS
BEGIN
   SET NOCOUNT ON;
   declare @UserAuthorizationKey int = 1;
   DECLARE @StartingDateTime DATETIME2 = SYSDATETIME();
        Drop All of the foreign keys prior to truncating tables in the star schema
   EXEC [Project2].[DropForeignKeysFromStarSchemaData] @UserAuthorizationKey = 1;
       Check row count before truncation
   EXEC [Project2].[ShowTableStatusRowCount]
       @UserAuthorizationKey = 1,
       @TableStatus = N'''Pre-truncate of tables'''
       Always truncate the Star Schema Data
   EXEC [Project2].[TruncateStarSchemaData] @UserAuthorizationKey = 3;
       Load the star schema
   EXEC [Project2].[Load DimProductCategory] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load_DimProductSubcategory] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load DimProduct] @UserAuthorizationKey = 2;
   EXEC [Project2].[Load SalesManagers] @UserAuthorizationKey = 3;
```

```
EXEC [Project2].[Load DimGender] @UserAuthorizationKey = 3;
   EXEC [Project2].[Load DimMaritalStatus] @UserAuthorizationKey = 4;
   EXEC [Project2].[Load DimOccupation] @UserAuthorizationKey = 4;
   EXEC [Project2].[Load DimOrderDate] @UserAuthorizationKey = 4;
   EXEC [Project2].[Load DimTerritory] @UserAuthorizationKey = 5;
   EXEC [Project2].[Load DimCustomer] @UserAuthorizationKey = 5;
   EXEC [Project2].[Load Data] @UserAuthorizationKey = 5;
         Recreate all of the foreign keys prior after loading the star schema
         Check row count before truncation
   EXEC
          [Project2].[ShowTableStatusRowCount]
       @UserAuthorizationKey = 6,
        @TableStatus = N'''Row Count after loading the star schema'''
   EXEC [Project2].[AddForeiqnKeysToStarSchemaData] @UserAuthorizationKey = 6;
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC [Process].[usp TrackWorkFlow] 'Load Star Schema Data',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
END:
GO
EXEC sp_addextendedproperty N'MS_Description', N'Calls all the stored procedures to drop foreign
key relations, truncate tables, reload star schema, and then recreate foreign key relations',
'SCHEMA', N'Project2', 'PROCEDURE', N'LoadStarSchemaData', NULL, NULL
```

Uses

```
[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]
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.LoadStarSchema-Data

[Project2].[TruncateStarSchemaData] Project2

[Project2].[ShowTableStatusRowCount]

MS_Description

Outputs table row counts for each table in Star Schema, showing successful truncation or recreation

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@TableStatus Indicates what status table is currently in, such as if it has been truncated or reloaded	varchar(64)	64
@UserAuthorizationKey	int	4

```
-- ------
-- Author: Sebastian Rodriguez
-- Create date: 11/13/24
-- Description: Loads data into [Project2].[ShowTableStatusRowCount]
CREATE PROCEDURE [Project2].[ShowTableStatusRowCount]
   @TableStatus VARCHAR(64),
   @UserAuthorizationKey INT
AS
BEGIN
   -- SET NOCOUNT ON added to prevent extra result sets from
   -- interfering with SELECT statements.
   SET NOCOUNT ON;
   DECLARE @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 TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimCustomer',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimCustomer
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimGender',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimGender
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimMaritalStatus',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimMaritalStatus
UNTON ATIT
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimOccupation',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimOccupation
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimOrderDate',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimOrderDate
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimProduct',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimProduct
UNION ALL
    SELECT TableStatus = @TableStatus,
       TableName = 'CH01-01-Dimension.DimProductCategory',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimProductCategory
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimProductSubcategory',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimProductSubcategory
UNION ALL
    SELECT TableStatus = @TableStatus,
        TableName = 'CH01-01-Dimension.DimTerritory',
        [Row Count] = COUNT(*)
    FROM [CH01-01-Dimension].DimTerritory
UNTON ATIT
    SELECT TableStatus = @TableStatus,
```

```
TableName = 'CH01-01-Dimension.SalesManagers',
            [Row Count] = COUNT(*)
       FROM [CH01-01-Dimension]. SalesManagers
   UNION ALL
        SELECT TableStatus = @TableStatus,
           TableName = 'CH01-01-Fact.Data',
            [Row Count] = COUNT(*)
        FROM [CH01-01-Fact].[Data]
   UNTON ALT
        SELECT TableStatus = @TableStatus,
            TableName = 'DbSecurity.UserAuthorization',
            [Row Count] = COUNT(*)
        FROM [DbSecurity].UserAuthorization
   UNTON ALT
        SELECT TableStatus = @TableStatus,
            TableName = 'Process.WorkflowSteps',
           [Row Count] = COUNT(*)
        FROM [Process]. WorkflowSteps;
   SET @EndingDateTime = SYSDATETIME();
   EXEC [Process].[usp TrackWorkFlow] 'Loads row counts into [Project2].[ShowTableStatusRow-
Count]',
                                       @WorkFlowStepTableRowCount,
                                       @StartingDateTime,
                                       @EndingDateTime,
                                       @UserAuthorizationKey;
END
GO
EXEC sp addextendedproperty N'MS Description', N'Outputs table row counts for each table in Star
Schema, showing successful truncation or recreation', 'SCHEMA', N'Project2', 'PROCEDURE', N'Show-
TableStatusRowCount', NULL, NULL
EXEC sp addextendedproperty N'MS Description', N'Indicates what status table is currently in,
such as if it has been truncated or reloaded', 'SCHEMA', N'Project2', 'PROCEDURE', N'ShowTable-
StatusRowCount', 'PARAMETER', N'@TableStatus'
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].[DimProductSubcategory]
[CH01-01-Dimension].[DimTerritory]
[CH01-01-Dimension].[DimTerritory]
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Project2.ShowTableStatus-RowCount

[CH01-01-Fact].[Data]
[DbSecurity].[UserAuthorization]
[Process].[WorkflowSteps]
[Process].[usp_TrackWorkFlow]
Project2

Used By

[Project2].[LoadStarSchemaData]

[Project2].[TruncateStarSchemaData]

MS_Description

Procedure to truncate all tables in database except for FileUpload.OriginallyLoadedData, removing all rows from each table

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
Tsering Wangyal Bista Lowa
-- Author:
-- Create date: 11/13/24
-- Description: Delete all data from Star Schema
-- -----
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;
   -- 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.DimCustomerSequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimGender;
   TRUNCATE TABLE [CH01-01-Dimension].DimMaritalStatus;
   TRUNCATE TABLE [CH01-01-Dimension].DimOccupation;
   ALTER SEQUENCE PkSequence.DimOccupationSequence RESTART WITH 1;
```

```
TRUNCATE TABLE [CH01-01-Dimension].DimOrderDate;
   TRUNCATE TABLE [CH01-01-Dimension].DimProduct;
   ALTER SEQUENCE PkSequence.DimProductSequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimProductCategory;
   ALTER SEQUENCE PkSequence.DimProductCategorySequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimProductSubCategory;
   ALTER SEQUENCE PkSequence.DimProductSubCategorySequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].DimTerritory;
   ALTER SEQUENCE PkSequence.DimTerritorySequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Dimension].SalesManagers;
   ALTER SEQUENCE PkSequence.SalesManagersSequence RESTART WITH 1;
   TRUNCATE TABLE [CH01-01-Fact].Data;
   ALTER SEQUENCE PkSequence.DataSequence RESTART WITH 1;
   --TRUNCATE table [Process].[WorkflowSteps]
   --ALTER SEQUENCE PkSequence.WorkFlowStepsSequence 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
EXEC sp addextendedproperty N'MS Description', N'Procedure to truncate all tables in database
except for FileUpload.OriginallyLoadedData, removing all rows from each table', 'SCHEMA',
N'Project2', 'PROCEDURE', N'TruncateStarSchemaData', NULL, NULL
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].[DimProductCategory]
[CH01-01-Dimension].[DimProductSubcategory]
[CH01-01-Dimension].[DimTerritory]
[CH01-01-Dimension].[SalesManagers]
[CH01-01-Fact].[Data]
[Process].[usp_TrackWorkFlow]
Project2
```

Used By

[Project2].[LoadStarSchemaData]

[Utils].[DropProcsInCSCl331FinalProject]

MS_Description

Drops all processes from BIClass Database

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

```
-- ------
-- 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;
EXEC sp addextendedproperty N'MS Description', N'Drops all processes from BIClass Database',
'SCHEMA', N'Utils', 'PROCEDURE', N'DropProcsInCSCI331FinalProject', NULL, NULL
```

Project > localhost, 13001 > User databases > BIClass > Programmability > Stored Procedures > Utils.DropProcsIn-CSCl331FinalProject	
Uses	
Utils	

Scalar-valued Functions

Objects

Name

Utils.CalculateDataTypeByteStorage Calculates byte storage information when given a datatype

[Utils].[CalculateDataTypeByteStorage]

MS_Description

Calculates byte storage information when given a datatype

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@DataType Associated data type	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('(', @DataType, 0) - 1
                                        ) AS INT) + 2
```

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

```
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
                          WHEN SUBSTRING(@DataType, 1, 3) = 'mon' THEN
                          WHEN SUBSTRING(@DataType, 1, 3) = 'dat' THEN
                              3
                          ELSE
                              -999
                      END
END
GO
EXEC sp_addextendedproperty N'MS_Description', N'Calculates byte storage information when given a
datatype', 'SCHEMA', N'Utils', 'FUNCTION', N'CalculateDataTypeByteStorage', NULL, NULL
EXEC sp_addextendedproperty N'MS_Description', N'Associated data type', 'SCHEMA', N'Utils',
'FUNCTION', N'CalculateDataTypeByteStorage', 'PARAMETER', N'@DataType'
GO
```

Uses

Utils

Sequences

Objects

Name

PkSequence.DataSequence

Sequence Object for [CH01-01-Fact] Data table

PkSequence.DimCustomerSequence

Sequence Object associated with DimCustomer's primary key CustomerKey column

PkSequence.DimOccupationSequence

Sequence Object associated with DimOccupation's primary key OccupationKey column

PkSequence.DimProductCategorySequence

Sequence Object associated with DimProductCategory's primary key ProductCategoryKey column

PkSequence.DimProductSequence

Sequence Object associated with DimProduct's primary key ProductKey column

${\bf PkSequence.} Dim {\bf ProductSubcategorySequence}$

Sequence Object associated with DimProductSubcategory's primary key ProductSubcategoryKey column

PkSequence.DimTerritorySequence

Sequence Object associated with DimTerritory's primary key TerritoryKey column

PkSequence SalesManagersSequence

Sequence Object associated with SalesManagers' primary key SalesManagerKey column

PkSequence.WorkflowStepsSequence

Sequence Object associated with WorkflowSteps' primary key WorkFlowStepKey column

[PkSequence].[DataSequence]

MS_Description

Sequence Object for [CH01-01-Fact]. Data table

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DataSequence]

AS bigint

START WITH 1

INCREMENT BY 1

MINVALUE 1

MAXVALUE 9223372036854775807

NO CYCLE

CACHE

GO

EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object for [CH01-01-Fact].Data table',
'SCHEMA', N'PkSequence', 'SEQUENCE', N'DataSequence', NULL, NULL

GO
```

Uses

[PkSequence].[DimCustomerSequence]

MS_Description

Sequence Object associated with DimCustomer's primary key CustomerKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimCustomerSequence]

AS bigint

START WITH 1

INCREMENT BY 1

MINVALUE 1

MAXVALUE 9223372036854775807

NO CYCLE

CACHE

GO

EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimCustomer''s primary key CustomerKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'DimCustomerSequence', NULL, NULL

GO
```

Uses

[PkSequence].[DimOccupationSequence]

MS_Description

Sequence Object associated with DimOccupation's primary key OccupationKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimOccupationSequence]
AS int
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 2147483647
NO CYCLE
CACHE
GO
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimOccupation''s primary key OccupationKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'DimOccupationSequence', NULL, NULL
GO
```

Uses

[PkSequence].[DimProductCategorySequence]

MS_Description

Sequence Object associated with DimProductCategory's primary key ProductCategoryKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductCategorySequence]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
GO
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimProduct-Category''s primary key ProductCategoryKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'Dim-
ProductCategorySequence', NULL, NULL
GO
```

Uses

[PkSequence].[DimProductSequence]

MS_Description

Sequence Object associated with DimProduct's primary key ProductKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductSequence]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimProduct''s primary key ProductKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'DimProductSequence', NULL,
NULL
GO
```

Uses

[PkSequence].[DimProductSubcategorySequence]

MS_Description

Sequence Object associated with DimProductSubcategory's primary key ProductSubcategoryKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimProductSubcategorySequence]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
GO
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimProduct-
Subcategory''s primary key ProductSubcategoryKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE',
N'DimProductSubcategorySequence', NULL, NULL
GO
```

Uses

[PkSequence].[DimTerritorySequence]

MS_Description

Sequence Object associated with DimTerritory's primary key TerritoryKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[DimTerritorySequence]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with DimTerritory''s primary key TerritoryKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'DimTerritorySequence', NULL, NULL
GO
```

Uses

[PkSequence].[SalesManagersSequence]

MS_Description

Sequence Object associated with SalesManagers' primary key SalesManagerKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[SalesManagersSequence]
AS bigint
START WITH 1
INCREMENT BY 1
MINVALUE 1
MAXVALUE 9223372036854775807
NO CYCLE
CACHE
GO
EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with SalesManagers'' primary key SalesManagerKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'SalesManagers-
Sequence', NULL, NULL
GO
```

Uses

[PkSequence].[WorkflowStepsSequence]

MS_Description

Sequence Object associated with WorkflowSteps' primary key WorkFlowStepKey column

Properties

Property	Value
Owner	PkSequence

SQL Script

```
CREATE SEQUENCE [PkSequence].[WorkflowStepsSequence]

AS bigint

START WITH 1

INCREMENT BY 1

MINVALUE 1

MAXVALUE 9223372036854775807

NO CYCLE

CACHE

GO

EXEC sp_addextendedproperty N'MS_Description', N'Sequence Object associated with WorkflowSteps''
primary key WorkFlowStepKey column', 'SCHEMA', N'PkSequence', 'SEQUENCE', N'WorkflowSteps-
Sequence', NULL, NULL

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\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

```
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

~	\sim
G	U



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

4 db_ddladmin

Properties

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

db_owner

Properties

Property	Value
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Owner	dbo	
- Cililor	abo	

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

Schema for the dimension tables in Star Schema Database

CH01_01_Eact

Schema for the Fact table in Star Schema Database, Data

DbSecurity

Schema for database access

FileUpload

OriginallyLoadedData

G10_3

PkSequence

Schema for sequence objects contained in database, used for primary keys

Process

Schema for keeping track of work flow and project planning

Project2

Schema for stored procedures for Project 2

Utils

△ CH01-01-Dimension

MS_Description

Schema for the dimension tables in Star Schema Database

Properties

Property	Value
Owner	dbo

SQL Script

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

EXEC sp_addextendedproperty N'MS_Description', N'Schema for the dimension tables in Star Schema Database', 'SCHEMA', N'CH01-01-Dimension', NULL, NULL, NULL, NULL
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

MS_Description

Schema for the Fact table in Star Schema Database, Data

Properties

Property	Value
Owner	dbo

SQL Script

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

EXEC sp_addextendedproperty N'MS_Description', N'Schema for the Fact table in Star Schema
Database, Data', 'SCHEMA', N'CH01-01-Fact', NULL, NULL, NULL, NULL
GO
```

Used By

[CH01-01-Fact].[Data]

♣ DbSecurity

MS_Description

Schema for database access

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [DbSecurity]
AUTHORIZATION [dbo]
GO
EXEC sp_addextendedproperty N'MS_Description', N'Schema for database access', 'SCHEMA', N'Db-Security', NULL, NULL, NULL
GO
```

Used By

[DbSecurity].[UserAuthorization]

♣ FileUpload

MS_Description

OriginallyLoadedData

Properties

Property	Value
Owner	dbo

SQL Script

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

EXEC sp_addextendedproperty N'MS_Description', N'OriginallyLoadedData', 'SCHEMA', N'FileUpload', NULL, NULL, NULL, NULL, NULL, NULL
```

Used By

[FileUpload].[OriginallyLoadedData] [FileUpload].[ProductCategories] [FileUpload].[ProductSubcategories]

△ G10_3

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [G10_3]
AUTHORIZATION [dbo]
GO
```

Used By

[G10_3].[DimCustomer]

[G10_3].[DimGender]

[G10_3].[DimMaritalStatus]

[G10_3].[DimOccupation]

[G10_3].[DimOrderDate]

[G10_3].[DimProduct]

[G10_3].[DimProductCategory]

[G10_3].[DimProductSubCategory]

[G10_3].[DimSalesManagers]

[G10_3].[DimTerritory]

[G10_3].[FactData]

△ PkSequence

MS_Description

Schema for sequence objects contained in database, used for primary keys

Properties

Property	Value
Owner	dbo

SQL Script

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

EXEC sp_addextendedproperty N'MS_Description', N'Schema for sequence objects contained in database, used for primary keys', 'SCHEMA', N'PkSequence', NULL, NULL, NULL, NULL
GO
```

Used By

[PkSequence].[DataSequence]

[PkSequence].[DimCustomerSequence]

[PkSequence].[DimOccupationSequence]

[PkSequence]. [Dim Product Category Sequence]

[PkSequence].[DimProductSequence]

[PkSequence].[DimProductSubcategorySequence]

[PkSequence].[DimTerritorySequence]

[PkSequence].[SalesManagersSequence]

[PkSequence].[WorkflowStepsSequence]



MS_Description

Schema for keeping track of work flow and project planning

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Process]

AUTHORIZATION [dbo]

GO

EXEC sp_addextendedproperty N'MS_Description', N'Schema for keeping track of work flow and project planning', 'SCHEMA', N'Process', NULL, NULL, NULL, NULL

GO
```

Used By

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



MS_Description

Schema for stored procedures for Project 2

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Project2]
AUTHORIZATION [dbo]
GO
EXEC sp addextendedproperty N'MS Description', N'Schema for stored procedures for Project 2',
'SCHEMA', N'Project2', NULL, NULL, NULL, NULL
```

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]



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]