127.0.01,13001 Documentation

QueensClassSchedule

Server 127.0.01,13001

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127.0.01,13001

Databases (1)

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Server Properties

Property	Value
Product	Microsoft SQL Server
Version	15.0.4236.7
Language	English
Platform	NT x64
Edition	Developer Edition (64-bit)
Engine Edition	3 (Enterprise)
Processors	4
OS Version	6.2 (9200)
Physical Memory	10225
Is Clustered	False
Root Directory	C:\
Collation	SQL_Latin1_General_CP1_CI_AS

Server Settings

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

Advanced Server Settings

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

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

User databases		Use	er d	ata	bas	es
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Databases (1)

• ■ QueensClassSchedule

■ QueensClassSchedule Database

Database Properties

Property	Value
SQL Server Version	Max
Compatibility Level	SQL Server 2016
Last backup time	12/05/2022
Last log backup time	-
Creation date	Dec 8 2022
Users	7
Database Encryption Enabled	False
Database Encryption Algorithm	None
Database size	272.00 MB
Unallocated space	32.94 MB

Database Options

Property	Value
Compatibility Level	130
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	9f5d9c27-bc5c-4d67-9b27-e7ae78bc354f
Service broker enabled	False
Log reuse wait	NOTHING
Date correlation	False
CDC enabled	False
Encrypted	False
Honor broker priority	False
Default language	English
Default fulltext language LCID	1033
Nested triggers enabled	True
Transform noise words	False
Two-digit year cutoff	2049
Containment	NONE
Target recovery time	60
Database owner	sa

Files

Name	Туре	Size	Maxsize	Autogrowth	File Name
QC2019	Data	72.00 MB	unlimited	64.00 MB	/var/opt/mssql/data/QueensClassSchedule- CurrentSemester.mdf
QC2019_log	Log	200.00 MB	2048.00 GB	64.00 MB	/var/opt/mssql/log/QueensClassSchedule- CurrentSemester_0.ldf

■ Tables

Objects

Name
Attachment.Day
Attachment.ModeInstruction
Attachment.Schedule
Building_info.BuildingLocation
Building_info.Location
Building_info.RoomLocation
Course_info.Class
Course_info.ClassDay
Course_info.ClassDetail
Course_info.Course
dbo.Department
dbo.DepartmentInstructor
dbo.Instructor
DbSecurity.UserAuthorization
Process.WorkflowSteps
Project3.QueensClassScheduleCurrentSemester
Uploadfile.CurrentSemesterCourseOfferings

I [Attachment].[Day]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	8
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	3:43:16 AM Monday, December 5, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK <mark>P</mark> C	DayID	int	4	NOT NULL	1 - 1	
	DayName	varchar(30)	30	NOT NULL		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_DAY	DayID	True

Foreign Keys

Name	Update	Columns
Day_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

```
CREATE TABLE [Attachment].[Day]

(
[DayID] [int] NOT NULL IDENTITY(1, 1),

[DayName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
```

```
[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,
[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF__Day__DateAdded__2704CA5F]
DEFAULT (sysdatetime()),
[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF__Day__DateOfLast-_U__27F8EE98] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [Attachment].[Day] ADD CONSTRAINT [PK_DAY] PRIMARY KEY CLUSTERED ([DayID])
ON [PRIMARY]
GO
ALTER TABLE [Attachment].[Day] ADD CONSTRAINT [Day_fk0] FOREIGN KEY ([UserAuthorization-Key]) REFERENCES [DbSecurity].[UserAuthorization] ([UserAuthorizationKey]) ON UPDATE CASCADE
GO
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded]

[Udt].[DateOfLastUpdate]

[Udt].[SurrogateKeyInt]

Attachment

Used By

[Course_info].[ClassDay]

[Project3].[LoadDay]

[Project 3]. [Truncate Star Schema Data]

☐ [Attachment].[ModeInstruction]

Properties

Property	Value		
Collation SQL_Latin1_General_CP1_CI_AS			
Row Count (~)	4		
Created	3:39:51 AM Thursday, December 1, 2022		
Last Modified	3:43:16 AM Monday, December 5, 2022		

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK# C	ModelD	int	4	NOT NULL	1 - 1	
	ModeName	nvarchar(50)	100	NULL allowed		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_MODEINSTRUCTION	ModelD	True

Foreign Keys

Name	Update	Columns
ModeInstruction_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorization-Key]

```
CREATE TABLE [Attachment].[ModeInstruction]
(
[ModeID] [int] NOT NULL IDENTITY(1, 1),
```

```
[ModeName] [nvarchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_tmp_ms_xx_DateA_6CA31EA0]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_tmp_ms_xx_Date-O_6D9742D9] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [Attachment].[ModeInstruction] ADD CONSTRAINT [PK_MODEINSTRUCTION] PRIMARY

KEY CLUSTERED ([ModeID]) ON [PRIMARY]

GO

ALTER TABLE [Attachment].[ModeInstruction] ADD CONSTRAINT [ModeInstruction_fk0] FOREIGN

KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-AuthorizationKey]) ON UPDATE CASCADE
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt] Attachment

Used By

[Project3].[LoadModeInstruction] [Project3].[TruncateStarSchemaData]

[Attachment].[Schedule]

Properties

Property	Value		
Row Count (~)	300615		
Created	2:27:39 AM Thursday, December 1, 2022		
Last Modified	3:43:16 AM Monday, December 5, 2022		

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK C	ScheduleID	int	4	NOT NULL	1 - 1	
FK	ClassID	int	4	NOT NULL		
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_SCHEDULE	ScheduleID	True

Foreign Keys

Name	Update	Columns
Schedule_fk1	Cascade	ClassID->[Course_info].[Class].[ClassID]

```
CREATE TABLE [Attachment].[Schedule]

(
[ScheduleID] [int] NOT NULL IDENTITY(1, 1),

[ClassID] [int] NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_Schedule_DateAd_0C50D423]
```

```
DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_Schedule_Date-Of_0D44F85C] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [Attachment].[Schedule] ADD CONSTRAINT [PK_SCHEDULE] PRIMARY KEY CLUSTERED ([ScheduleID]) ON [PRIMARY]

GO

ALTER TABLE [Attachment].[Schedule] ADD CONSTRAINT [Schedule_fk1] FOREIGN KEY ([Class-ID]) REFERENCES [Course_info].[Class] ([ClassID]) ON UPDATE CASCADE

GO
```

[Course_info].[Class]
[Udt].[DateAdded]
[Udt].[DateOfLastUpdate]
[Udt].[SurrogateKeyInt]
Attachment

Used By

[Project3].[LoadQueensCourseSchedule]

■ [Building_info].[BuildingLocation]

Properties

Property Value		
Collation	SQL_Latin1_General_CP1_CI_AS	
Row Count (~)	24	
Created	2:27:39 AM Thursday, December 1, 2022	
Last Modified	3:43:16 AM Monday, December 5, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP C	BuildingLocationID	int	4	NOT NULL	1 - 1	
	BuildingName	varchar(30)	30	NOT NULL		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_BUILDINGLOCATION	BuildingLocationID	True

Foreign Keys

Name	Update	Columns
BuildingLocation_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorization-Key]

```
CREATE TABLE [Building_info].[BuildingLocation]
(
[BuildingLocationID] [int] NOT NULL IDENTITY(1, 1),
```

```
[BuildingName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_BuildingL_DateA_32767D0B]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_BuildingL_Date-O_336AA144] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [Building_info].[BuildingLocation] ADD CONSTRAINT [PK_BUILDINGLOCATION]

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

GO

ALTER TABLE [Building_info].[BuildingLocation] ADD CONSTRAINT [BuildingLocation_fk0]

FOREIGN KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-AuthorizationKey]) ON UPDATE CASCADE

GO
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt] Building_info

Used By

[Project3].[Load_BuildingLocation] [Project3].[TruncateStarSchemaData]

[Building_info].[Location]

Properties

Property	Value	
Row Count (~)	3207	
Created	2:27:39 AM Thursday, December 1, 2022	
Last Modified	3:43:16 AM Monday, December 5, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP C	LocationID	int	4	NOT NULL	1 - 1	
	RoomLocationID	int	4	NOT NULL		
	BuildingLocationID	int	4	NOT NULL		
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_LOCATION	LocationID	True

```
CREATE TABLE [Building_info].[Location]

(
[LocationID] [int] NOT NULL IDENTITY(1, 1),

[RoomLocationID] [int] NOT NULL,

[BuildingLocationID] [int] NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_Location_DateAd_1B9317B3]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_Location_Date-Of_1C873BEC] DEFAULT (sysdatetime())

) ON [PRIMARY]
```

```
GO
ALTER TABLE [Building_info].[Location] ADD CONSTRAINT [PK_LOCATION] PRIMARY KEY
CLUSTERED ([LocationID]) ON [PRIMARY]
GO
```

[Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt] Building_info

Used By

[Course_info].[ClassDetail] [Project3].[LoadLocation] [Project3].[TruncateStarSchemaData]

■ [Building_info].[RoomLocation]

Properties

Property Value		
Collation	SQL_Latin1_General_CP1_CI_AS	
Row Count (~)	252	
Created	2:27:07 AM Thursday, December 1, 2022	
Last Modified	3:43:16 AM Monday, December 5, 2022	

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	RoomLocationID	int	4	NOT NULL	
	RoomNumber	nvarchar(50)	100	NULL allowed	
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL	
	DateAdded	[Udt].[DateAdded]	8	NOT NULL	(sysdatetime())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_ROOMLOCATION	RoomLocationID	True

Foreign Keys

Name	Update	Columns
RoomLocation_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

```
CREATE TABLE [Building_info].[RoomLocation]

(
[RoomLocationID] [int] NOT NULL,

[RoomNumber] [nvarchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_RoomLocat_DateA_7B264821]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_RoomLocat_DateO_7C1A6C5A] DEFAULT (sysdatetime())
```

```
ON [PRIMARY]

GO

ALTER TABLE [Building_info].[RoomLocation] ADD CONSTRAINT [PK_ROOMLOCATION] PRIMARY KEY
CLUSTERED ([RoomLocationID]) ON [PRIMARY]

GO

ALTER TABLE [Building_info].[RoomLocation] ADD CONSTRAINT [RoomLocation_fk0] FOREIGN

KEY ([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-AuthorizationKey]) ON UPDATE CASCADE

GO
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt] Building_info

Used By

[Project3].[Load_RoomLocation] [Project3].[TruncateStarSchemaData]

■ [Course_info].[Class]

Properties

Property	Value
Row Count (~)	300615
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	3:43:16 AM Monday, December 5, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP C	ClassID	int	4	NOT NULL	1 - 1	
	ClassDetailID	int	4	NOT NULL		
	InstructorID	int	4	NOT NULL		
	CourseID	int	4	NOT NULL		
	Modeld	int	4	NOT NULL		
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PKP C	PK_CLASS	ClassID	True

```
CREATE TABLE [Course_info].[Class]

(
[ClassID] [int] NOT NULL IDENTITY(1, 1),

[ClassDetailID] [int] NOT NULL,

[InstructorID] [int] NOT NULL,

[CourseID] [int] NOT NULL,
```

```
[ModeId] [int] NOT NULL,
[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,
[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_Class_DateAdded_2334397B]
DEFAULT (sysdatetime()),
[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_Class_DateOf-Las_24285DB4] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [Course_info].[Class] ADD CONSTRAINT [PK_CLASS] PRIMARY KEY CLUSTERED
([ClassID]) ON [PRIMARY]
GO
```

[Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt] Course_info

Used By

[Attachment].[Schedule]
[Project3].[LoadClass]
[Project3].[TruncateStarSchemaData]

☐ [Course_info].[ClassDay]

Properties

Property	Value
Row Count (~)	32537
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	3:43:16 AM Monday, December 5, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP G	ClassDayID	int	4	NOT NULL	1 - 1	
	ClassDetailID	int	4	NOT NULL		
FK	DayID	int	4	NOT NULL		
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_CLASSDAY	ClassDayID	True

Foreign Keys

Name	Update	Columns
ClassDay_fk1	Cascade	DayID->[Attachment].[Day].[DayID]

```
CREATE TABLE [Course_info].[ClassDay]
(
[ClassDayID] [int] NOT NULL IDENTITY(1, 1),
```

```
[ClassDetailID] [int] NOT NULL,

[DayID] [int] NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF__ClassDay__DateAd__2AD55B43]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF__ClassDay__Date-Of__2BC97F7C] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [Course_info].[ClassDay] ADD CONSTRAINT [PK_CLASSDAY] PRIMARY KEY CLUSTERED ([ClassDayID]) ON [PRIMARY]

GO

ALTER TABLE [Course_info].[ClassDay] ADD CONSTRAINT [ClassDay_fk1] FOREIGN KEY ([Day-ID]) REFERENCES [Attachment].[Day] ([DayID]) ON UPDATE CASCADE

GO
```

[Attachment].[Day]
[Udt].[DateAdded]
[Udt].[DateOfLastUpdate]
[Udt].[SurrogateKeyInt]
Course_info

Used By

[Project3].[LoadClassDay] [Project3].[TruncateStarSchemaData]

☐ [Course_info].[ClassDetail]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	43625
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	3:43:16 AM Monday, December 5, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK	ClassDetailID	int	4	NOT NULL	1 - 1	
	Sec	nvarchar(50)	100	NOT NULL		
	Code	nvarchar(50)	100	NOT NULL		
	Time	varchar(255)	255	NOT NULL		
FK	LocationID	int	4	NOT NULL		
	Enrolled	int	4	NOT NULL		
	MaxEnrollment	int	4	NOT NULL		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_CLASSDETAIL	ClassDetailID	True

Foreign Keys

Name

ClassDetail_fk0	Cascade	LocationID->[Building_info].[Location].[LocationID]	
ClassDetail_fk1	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]	

SQL Script

```
CREATE TABLE [Course_info].[ClassDetail]
[ClassDetailID] [int] NOT NULL IDENTITY(1, 1),
[Sec] [nvarchar] (50) COLLATE SQL Latin1 General CP1 CI AS NOT NULL,
[Code] [nvarchar] (50) COLLATE SQL Latin1 General CP1 CI AS NOT NULL,
[Time] [varchar] (255) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[LocationID] [int] NOT NULL,
[Enrolled] [int] NOT NULL,
[MaxEnrollment] [int] NOT NULL,
[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,
[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF ClassDeta DateA 17C286CF]
DEFAULT (sysdatetime()),
[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF ClassDeta Date-
O 18B6AB08] DEFAULT (sysdatetime())
) ON [PRIMARY]
ALTER TABLE [Course info].[ClassDetail] ADD CONSTRAINT [PK CLASSDETAIL] PRIMARY KEY
CLUSTERED ([ClassDetailID]) ON [PRIMARY]
ALTER TABLE [Course info].[ClassDetail] ADD CONSTRAINT [ClassDetail fk0] FOREIGN KEY
([LocationID]) REFERENCES [Building_info].[Location] ([LocationID]) ON UPDATE CASCADE
ALTER TABLE [Course_info].[ClassDetail] ADD CONSTRAINT [ClassDetail_fk1] FOREIGN KEY
([UserAuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([User-
AuthorizationKey]) ON UPDATE CASCADE
```

Uses

[Building_info].[Location]
[DbSecurity].[UserAuthorization]
[Udt].[DateAdded]
[Udt].[DateOfLastUpdate]
[Udt].[SurrogateKeyInt]
Course_info

Used By

[Project3].[LoadClassDetail]
[Project3].[TruncateStarSchemaData]

[Course_info].[Course]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	3081
Created	2:27:16 AM Thursday, December 1, 2022
Last Modified	3:43:16 AM Monday, December 5, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK C	CourseID	int	4	NOT NULL	
	CourseName	varchar(30)	30	NOT NULL	
	Description	varchar(30)	30	NOT NULL	
	Credits	nvarchar(50)	100	NOT NULL	
	Hours	nvarchar(50)	100	NOT NULL	
FK	DepartmentID	int	4	NOT NULL	
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL	
	DateAdded	[Udt].[DateAdded]	8	NOT NULL	(sysdatetime())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_COURSE	CourseID	True

Foreign Keys

Name	Update	Columns
Course_fk0	Cascade	DepartmentID->[dbo].[Department].[DepartmentId]

```
CREATE TABLE [Course_info].[Course]
(
[CourseID] [int] NOT NULL,
```

```
[CourseName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Description] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Credits] [nvarchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[Hours] [nvarchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[DepartmentID] [int] NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_Course_DateAdde_02C769E9]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_Course_DateOf-La_03BB8E22] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [Course_info].[Course] ADD CONSTRAINT [PK_COURSE] PRIMARY KEY CLUSTERED ([CourseID]) ON [PRIMARY]

GO

ALTER TABLE [Course_info].[Course] ADD CONSTRAINT [Course_fk0] FOREIGN KEY ([Department-ID]) REFERENCES [dbo].[Department] ([DepartmentId]) ON UPDATE CASCADE

GO
```

[dbo].[Department]
[Udt].[DateAdded]
[Udt].[DateOfLastUpdate]
[Udt].[SurrogateKeyInt]
Course info

Used By

[Project3].[LoadCourse]
[Project3].[TruncateStarSchemaData]

[dbo].[Department]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	85
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	2:27:40 AM Thursday, December 1, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PK# C	DepartmentId	int	4	NOT NULL	1 - 1	
	DepartmentName	varchar(30)	30	NOT NULL		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_DEPARTMENT	DepartmentId	True

Foreign Keys

Name	Update	Columns
Department_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

```
CREATE TABLE [dbo].[Department]
(
[DepartmentId] [int] NOT NULL IDENTITY(1, 1),
[DepartmentName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
```

```
[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF__Departmen__DateA__1F63A897]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF__Departmen__Date-O__2057CCD0] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Department] ADD CONSTRAINT [PK_DEPARTMENT] PRIMARY KEY CLUSTERED ([DepartmentId]) ON [PRIMARY]

GO

ALTER TABLE [dbo].[Department] ADD CONSTRAINT [Department_fk0] FOREIGN KEY ([User-AuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([UserAuthorizationKey]) ON UPDATE CASCADE

GO
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded] [Udt].[DateOfLastUpdate] [Udt].[SurrogateKeyInt]

Used By

[Course_info].[Course] [Project3].[LoadCourse] [Project3].[LoadDepartmentInstructor]

[dbo].[DepartmentInstructor]

Properties

Property	Value
Row Count (~)	1730
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	2:27:40 AM Thursday, December 1, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP C	DeptInstructorID	int	4	NOT NULL	1 - 1	
F	InstrustorID	int	4	NOT NULL		
	DepartmentID	int	4	NOT NULL		
	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_DEPARTMENTINSTRUCTOR	DeptInstructorID	True

Foreign Keys

Name	Update	Columns
DepartmentInstructor_fk0	Cascade	InstructorID->[dbo].[Instructor].[InstructorID]

```
CREATE TABLE [dbo].[DepartmentInstructor]
(
[DeptInstructorID] [int] NOT NULL IDENTITY(1, 1),
```

```
[InstrustorID] [int] NOT NULL,

[DepartmentID] [int] NOT NULL,

[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,

[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF__Departmen__DateA__2EA5EC27]

DEFAULT (sysdatetime()),

[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF__Departmen__Date-O__2F9A1060] DEFAULT (sysdatetime())

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[DepartmentInstructor] ADD CONSTRAINT [PK_DEPARTMENTINSTRUCTOR]

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

GO

ALTER TABLE [dbo].[DepartmentInstructor] ADD CONSTRAINT [DepartmentInstructor_fk0]

FOREIGN KEY ([InstrustorID]) REFERENCES [dbo].[Instructor] ([InstructorID]) ON UPDATE CASCADE

GO
```

[dbo].[Instructor]
[Udt].[DateAdded]
[Udt].[DateOfLastUpdate]
[Udt].[SurrogateKeyInt]

[dbo].[Instructor]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	1596
Created	2:27:39 AM Thursday, December 1, 2022
Last Modified	2:27:40 AM Thursday, December 1, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullabilit y	Identity	Default
PKP C	InstructorID	int	4	NOT NULL	1 - 1	
	InstructorLastName	varchar(30)	30	NOT NULL		
	InstructorFirstName	varchar(30)	30	NOT NULL		
FK	UserAuthorizationKey	[Udt].[SurrogateKeyInt]	4	NOT NULL		
	DateAdded	[Udt].[DateAdded]	8	NOT NULL		(sysdatetime ())
	DateOfLastUpdate	[Udt].[DateOfLastUpdate]	8	NOT NULL		(sysdatetime ())

Indexes

Key	Name	Key Columns	Unique
PK G	PK_INSTRUCTOR	InstructorID	True

Foreign Keys

Name	Update	Columns
Instructor_fk0	Cascade	UserAuthorizationKey->[DbSecurity].[UserAuthorization].[UserAuthorizationKey]

```
CREATE TABLE [dbo].[Instructor]
```

```
[InstructorID] [int] NOT NULL IDENTITY(1, 1),
[InstructorLastName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[InstructorFirstName] [varchar] (30) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,
[UserAuthorizationKey] [Udt].[SurrogateKeyInt] NOT NULL,
[DateAdded] [Udt].[DateAdded] NOT NULL CONSTRAINT [DF_Instructo_DateA_10216507]
DEFAULT (sysdatetime()),
[DateOfLastUpdate] [Udt].[DateOfLastUpdate] NOT NULL CONSTRAINT [DF_Instructo_Date-O_11158940] DEFAULT (sysdatetime())
) ON [PRIMARY]
GO
ALTER TABLE [dbo].[Instructor] ADD CONSTRAINT [PK_INSTRUCTOR] PRIMARY KEY CLUSTERED ([InstructorID]) ON [PRIMARY]
GO
ALTER TABLE [dbo].[Instructor] ADD CONSTRAINT [Instructor_fk0] FOREIGN KEY ([User-AuthorizationKey]) REFERENCES [DbSecurity].[UserAuthorization] ([UserAuthorizationKey])
ON UPDATE CASCADE
GO
```

[DbSecurity].[UserAuthorization] [Udt].[DateAdded] [Udt].[DateOfLastUpdate]

[Udt].[SurrogateKeyInt]

Used By

[dbo].[DepartmentInstructor]

[Project3].[LoadClass]

[Project3].[LoadDepartmentInstructor]

[DbSecurity].[UserAuthorization]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	5
Created	2:27:01 AM Thursday, December 1, 2022
Last Modified	9:18:26 PM Friday, December 2, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Default
PK	UserAuthorizationKey	int	4	NOT NULL	
	ClassTime	nchar(5)	10	NULL allowed	('10:45')
	Individual Project	nvarchar(60)	120	NULL allowed	('PROJECT 3 RECREATE THE BICLASS DATABASE STAR SCHEMA')
	GroupMemberLastName	nvarchar(35)	70	NOT NULL	
	GroupMemberFirstName	nvarchar(25)	50	NOT NULL	
	GroupName	nvarchar(20)	40	NOT NULL	
	DateAdded	datetime2	8	NULL allowed	(sysdatetime())

Indexes

Key	Name	Key Columns	Unique
PK C	PK_UserAuth_0FEC36CB0CFB1795	UserAuthorizationKey	True

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

(
[UserAuthorizationKey] [int] NOT NULL,

[ClassTime] [nchar] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DF__User-Autho__Class__76619304] DEFAULT ('10:45'),

[Individual Project] [nvarchar] (60) COLLATE SQL_Latin1_General_CP1_CI_AS NULL

CONSTRAINT [DF__UserAutho__Indiv__7755B73D] DEFAULT ('PROJECT 3 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,

[DateAdded] [datetime2] NULL CONSTRAINT [DF__UserAutho__DateA__7849DB76] DEFAULT
(sysdatetime())

ON [PRIMARY]

GO

ALTER TABLE [DbSecurity].[UserAuthorization] ADD CONSTRAINT [PK__User-Auth__OFEC36CB0CFB1795] PRIMARY KEY CLUSTERED ([UserAuthorizationKey]) ON [PRIMARY]

GO
```

DbSecurity

Used By

[Attachment].[Day]
[Attachment].[ModeInstruction]
[Building_info].[BuildingLocation]
[Building_info].[RoomLocation]
[Course_info].[ClassDetail]
[dbo].[Department]
[dbo].[Instructor]

[Process].[WorkflowSteps]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Row Count (~)	45
Created	3:25:10 AM Friday, December 2, 2022
Last Modified	3:25:10 AM Friday, December 2, 2022

Columns

Key	Name	Data Type	Max Length (Bytes)	Nullability	Identity	Default
PKC	WorkFlowStepKey	int	4	NOT NULL	1 - 1	
	WorkFlowStepsDescription	nvarchar(100)	200	NOT NULL		
	WorkFlowStepTableRowCount	int	4	NULL allowed		
	StartingDateTime	datetime2	8	NULL allowed		
	EndingDateTime	datetime2	8	NULL allowed		
	ClassTime	nchar(5)	10	NULL allowed		('10:45')
	UserAuthorizationKey	int	4	NOT NULL		

Indexes

Key	Name	Key Columns	Unique
PKP C	PKWorkflow27726CBF48999D0C	WorkFlowStepKey	True

```
CREATE TABLE [Process].[WorkflowSteps]

(
[WorkFlowStepKey] [int] NOT NULL IDENTITY(1, 1),

[WorkFlowStepsDescription] [nvarchar] (100) COLLATE SQL_Latin1_General_CP1_CI_AS NOT NULL,

[WorkFlowStepTableRowCount] [int] NULL,

[StartingDateTime] [datetime2] NULL,

[EndingDateTime] [datetime2] NULL,

[ClassTime] [nchar] (5) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DF__-
```

```
Workflows__Class__0E04126B] DEFAULT ('10:45'),

[UserAuthorizationKey] [int] NOT NULL

) ON [PRIMARY]

GO

ALTER TABLE [Process].[WorkflowSteps] ADD CONSTRAINT [PK_Workflow_27726CBF48999D0C]

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

GO
```

Process

Used By

 $[Process]. [usp_ShowWorkflowSteps] \\$

[Process].[usp_TrackWorkFlow]

[Project3].[QueensClassScheduleCurrentSemester]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Неар	True
Row Count (~)	4522
Created	2:26:51 AM Thursday, December 1, 2022
Last Modified	2:26:51 AM Thursday, December 1, 2022

Columns

Name	Data Type	Max Length (Bytes)	Nullability
Sec	varchar(50)	50	NULL allowed
Code	varchar(50)	50	NULL allowed
Course (hr, crd)	varchar(50)	50	NULL allowed
Description	varchar(50)	50	NULL allowed
Day	varchar(50)	50	NULL allowed
Time	varchar(50)	50	NULL allowed
Instructor	varchar(50)	50	NULL allowed
Location	varchar(50)	50	NULL allowed
Enrolled	varchar(50)	50	NULL allowed
Limit	varchar(50)	50	NULL allowed
Mode of Instruction	varchar(50)	50	NULL allowed

```
CREATE TABLE [Project3].[QueensClassScheduleCurrentSemester]

(
[Sec] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Code] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Course (hr, crd)] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Description] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Day] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Time] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Instructor] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Location] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Enrolled] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Limit] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Mode of Instruction] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL)

ON [PRIMARY]
```

GO

Uses

Project3

Used By

[Project3].[LoadClass]

[Project3].[LoadClassDetail]

[Project3].[LoadCourse]

[Project3].[LoadDay]

[Project3].[LoadDepartment]

[Project3].[LoadDepartmentInstructor]

[Project3].[LoadModeInstruction]

[Uploadfile].[CurrentSemesterCourseOfferings]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
Неар	True
Row Count (~)	4522
Created	4:31:20 PM Monday, April 12, 2021
Last Modified	4:33:21 PM Monday, April 12, 2021

Columns

Name	Data Type	Max Length (Bytes)	Nullability	Default
Semester	varchar(50)	50	NULL allowed	('Current Semester')
Sec	varchar(50)	50	NULL allowed	
Code	varchar(50)	50	NULL allowed	
Course (hr, crd)	varchar(50)	50	NULL allowed	
Description	varchar(50)	50	NULL allowed	
Day	varchar(50)	50	NULL allowed	
Time	varchar(50)	50	NULL allowed	
Instructor	varchar(50)	50	NULL allowed	
Location	varchar(50)	50	NULL allowed	
Enrolled	varchar(50)	50	NULL allowed	
Limit	varchar(50)	50	NULL allowed	
Mode of Instruction	varchar(50)	50	NULL allowed	

```
CREATE TABLE [Uploadfile].[CurrentSemesterCourseOfferings]

(
[Semester] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL CONSTRAINT [DF_-
CurrentSemesterCourseOfferings_Semester] DEFAULT ('Current Semester'),

[Sec] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Code] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Course (hr, crd)] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Description] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Time] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Instructor] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Location] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Enrolled] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,
```

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Tables > Uploadfile.CurrentSemester-CourseOfferings

```
[Limit] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL,

[Mode of Instruction] [varchar] (50) COLLATE SQL_Latin1_General_CP1_CI_AS NULL

) ON [PRIMARY]

GO
```

Uses

Uploadfile

Used By

[Project3].[Load_BuildingLocation] [Project3].[Load_RoomLocation]

[Project3].[LoadClassDay]

[Project3].[LoadInstructor]

[Project3].[LoadLocation]

■ Views

Objects

Name

 $Utils.uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint$

[Utils].[uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint]

Properties

Property	Value
Collation	SQL_Latin1_General_CP1_CI_AS
ANSI Nulls On	True
Quoted Identifier On	True
Created	9:19:15 AM Sunday, October 27, 2019
Last Modified	9:19:15 AM Sunday, October 27, 2019

Columns

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

```
CREATE 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 = 'varchar'
            THEN CONCAT('varchar(', CHARACTER MAXIMUM LENGTH, ')')
            WHEN col.DATA TYPE = 'nvarchar'
            THEN CONCAT('nvarchar(', CHARACTER MAXIMUM LENGTH, ')')
            WHEN col.DATA TYPE = 'nchar'
            THEN CONCAT('nchar(', CHARACTER MAXIMUM LENGTH, ')')
            WHEN col.DATA TYPE = 'numeric'
            THEN CONCAT('numeric(', NUMERIC_PRECISION_RADIX, ', ',
                       NUMERIC SCALE, ')')
            WHEN col.DATA TYPE = 'decimal'
            THEN CONCAT('decimal(', NUMERIC PRECISION RADIX, ', ',
                       NUMERIC SCALE, ')')
            ELSE col.DATA TYPE
        END AS DataType ,
        col.IS NULLABLE AS IsNullable,
        dcn.DefaultName ,
        col.COLUMN DEFAULT AS DefaultNameDefinition ,
       cc.CONSTRAINT NAME AS CheckConstraintRuleName,
       cc.CHECK CLAUSE AS CheckConstraintRuleNameDefinition
       ( SELECT TABLE_CATALOG ,
FROM
                   TABLE SCHEMA ,
                   TABLE NAME ,
                  TABLE TYPE
                  INFORMATION SCHEMA. TABLES
         FROM
         WHERE
                  ( TABLE TYPE = 'BASE TABLE' )
        ) 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
```

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Views > Utils.uvw_FindColumnDefinition-PlusDefaultAndCheckConstraint

```
LEFT OUTER JOIN ( SELECT t.name AS TableName ,
                                   SCHEMA NAME(s.schema id) AS SchemaName,
                                   ac.name AS ColumnName ,
                                   d.name AS DefaultName
                         FROM
                                   sys.all columns AS ac
                                   INNER JOIN sys.tables AS t ON ac.object_id =
t.object id
                                   INNER JOIN sys.schemas AS s ON t.schema id =
s.schema_id
                                   INNER JOIN sys.default constraints AS d ON
ac.default_object_id = d.object_id
                       ) AS dcn ON dcn.SchemaName = tbl.TABLE SCHEMA
                                   AND dcn.TableName = tbl.TABLE NAME
                                   AND dcn.ColumnName = col.COLUMN NAME
       LEFT OUTER JOIN ( SELECT cu.TABLE CATALOG ,
                                   cu.TABLE SCHEMA ,
                                   cu.TABLE NAME ,
                                   cu.COLUMN NAME ,
                                   c.CONSTRAINT CATALOG ,
                                   c.CONSTRAINT SCHEMA ,
                                   c.CONSTRAINT NAME ,
                                   c.CHECK CLAUSE
                                   INFORMATION SCHEMA.CONSTRAINT COLUMN USAGE
                         FROM
                                   INNER JOIN INFORMATION SCHEMA.CHECK CONSTRAINTS
                                   AS c ON c.CONSTRAINT NAME = cu.CONSTRAINT NAME
                       ) AS cc ON cc.TABLE SCHEMA = tbl.TABLE SCHEMA
                                  AND cc.TABLE NAME = tbl.TABLE NAME
                                  AND cc.COLUMN NAME = col.COLUMN NAME
GO
```

Uses

Utils

■ Stored Procedures

Objects

Name
Process.usp_ShowWorkflowSteps
Process.usp_TrackWorkFlow
Project3.Load_BuildingLocation
Project3.Load_RoomLocation
Project3.LoadClass
Project3.LoadClassDay
Project3.LoadClassDetail
Project3.LoadCourse
Project3.LoadDay
Project3.LoadDepartment
Project3.LoadDepartmentInstructor
Project3.LoadInstructor
Project3.LoadLocation
Project3.LoadModeInstruction
Project3.LoadQueensCourseSchedule
Project3.LoadStarSchemaData
Project3.TruncateStarSchemaData

[Process].[usp_ShowWorkflowSteps]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

SQL Script

```
CREATE PROCEDURE [Process].[usp_ShowWorkflowSteps]

AS

BEGIN

-- SET NOCOUNT ON added to prevent extra result sets from
-- interfering with SELECT statements.

SET NOCOUNT ON;

SELECT *

FROM [Process].[WorkFlowSteps];

END

GO
```

Uses

[Process].[WorkflowSteps]

Process

[Process].[usp_TrackWorkFlow]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@WorkflowDescription	Description	100
@WorkFlowStepTableRowCount	Count	4
@StartingDateTime	DateOf	8
@EndingDateTime	DateOf	8
@UserAuthorizationKey	SurrogateKeyInt	4

```
CREATE PROCEDURE [Process].[usp_TrackWorkFlow]
             -- Add the parameters for the stored procedure here
              @WorkflowDescription [Udt].[Description],
             @WorkFlowStepTableRowCount [Udt].[Count],
             @StartingDateTime [Udt].[DateOf],
              @EndingDateTime [Udt].[DateOf],
              @UserAuthorizationKey [Udt].[SurrogateKeyInt]
AS
BEGIN
               -- SET NOCOUNT ON added to prevent extra result sets from
              -- interfering with SELECT statements.
             SET NOCOUNT ON;
              -- Insert statements for procedure here
             INSERT INTO [Process].[WorkflowSteps]
                             WorkFlowStepsDescription,
                             WorkFlowStepTableRowCount,
                             StartingDateTime,
                             EndingDateTime,
                             [ClassTime],
                             UserAuthorizationKey
              VALUES
                (\verb§@WorkflowDescription, @WorkFlowStepTableRowCount, @StartingDateTime, @EndingDateTime, & Bound & B
```

```
Time, '10:45',
    @UserAuthorizationKey);

END;
GO
```

[Process].[WorkflowSteps]

[Udt].[Count]

[Udt].[DateOf]

[Udt].[Description]

[Udt].[SurrogateKeyInt]

Process

Used By

[Project3].[Load_BuildingLocation]

[Project3].[Load_RoomLocation]

[Project3].[LoadClass]

[Project3].[LoadClassDay]

[Project3].[LoadClassDetail]

[Project3].[LoadCourse]

[Project3].[LoadDay]

[Project3].[LoadDepartment]

[Project3].[LoadDepartmentInstructor]

[Project3].[LoadInstructor]

[Project3].[LoadLocation]

[Project3].[LoadModeInstruction]

[Project3].[LoadQueensCourseSchedule]

[Project3].[LoadStarSchemaData]

[Project3].[TruncateStarSchemaData]

[Project3].[Load_BuildingLocation]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[Load BuildingLocation] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Building Info].BuildingLocation
       BuildingName,
       UserAuthorizationKey,
       DateAdded,
        DateOfLastUpdate
   )
   SELECT
       o.BuildingName,
       @UserAuthorizationKey,
       @DateAdded,
        @DateOfLastUpdate
   FROM
        (SELECT DISTINCT
            SUBSTRING(old.[Location], 0, CHARINDEX(' ', old.[Location])) AS Building-
```

```
Name
        FROM Uploadfile.CurrentSemesterCourseOfferings AS OLD) AS O
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Building Info].BuildingLocation
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp_TrackWorkFlow 'Load BuildingLocation Table',
                                          @WorkFlowStepTableRowCount,
                                       @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

[Building_info].[BuildingLocation]
[Uploadfile].[CurrentSemesterCourseOfferings]
[Process].[usp_TrackWorkFlow]
Project3

Used By

[Project3].[Load_RoomLocation]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3]. [Load RoomLocation] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Building info].[RoomLocation] (
       RoomLocationID,
       RoomNumber,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   )
   SELECT
       NEXT VALUE FOR PkSequence.RoomLocationSequenceObject AS RoomLocationID,
       o.[RoomNumber],
       @UserAuthorizationKey,
       @DateAdded,
        @DateOfLastUpdate
   FROM
        (SELECT DISTINCT
            RIGHT(old.[Location], LEN(old.[Location]) - CHARINDEX(' ', old.[Location]))
```

```
AS RoomNumber
       FROM Uploadfile.CurrentSemesterCourseOfferings AS OLD) AS O
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Building info].[RoomLocation]
   );
   EXEC Process.usp TrackWorkFlow 'Load RoomLocation Table',
                                    -- @WorkFlowStepTableRowCount,
                                      @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

[Building_info].[RoomLocation]
[Uploadfile].[CurrentSemesterCourseOfferings]
[Process].[usp_TrackWorkFlow]
Project3
[PkSequence].[RoomLocationSequenceObject]

Used By

[Project3].[LoadClass]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadClass] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
WITH ClassCTE AS (
   SELECT cd.ClassDetailID, i.InstructorID, c.CourseID, mi.ModeID
   FROM project3.QueensClassScheduleCurrentSemester AS CS
   INNER JOIN dbo.Course AS C
       ON C.courseName + ' (' + C.Hours + ', ' + C.Credits + ')' = cs.[Course (hr,
crd)] AND
         C.Description = CS.Description
   INNER JOIN dbo. Instructor AS I
       ON i.InstructorLastName + ', ' + i.InstructorFirstName = cs.Instructor
   INNER JOIN dbo.ClassDetail AS CD
       ON cd.Sec = cs.Sec AND
          cd.Code = cs.Code AND
          cd.[Time] = cs.[Time] AND
          cd.Enrolled = cs.Enrolled AND
          cd.MaxEnrollment = cs.Limit
   INNER JOIN dbo.ModeInstruction AS MI
       ON mi.ModeName = cs.[Mode of Instruction]
INSERT INTO [Course_info].[Class]
        -- ClassID,
       ClassDetailID,
       InstructorId,
```

```
CourseId,
       ModeId,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
SELECT
   -- NEXT VALUE FOR PkSequence.ClassSequenceObject AS ClassID,
   ClassCTE.ClassDetailID,
   ClassCTE.InstructorID,
   ClassCTE.CourseID,
   ClassCTE.ModeID,
   @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
   SYSDATETIME(), -- DateAdded - Date_Time
   SYSDATETIME() -- DateOfLastUpdate - Date Time
   FROM ClassCTE
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2
   SET @StartingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Course_info].[Class]
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load Class Table',
                                    -- @WorkFlowStepTableRowCount,
                                       @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

[Course_info].[Class] [dbo].[Instructor] $\label{local_project} Project > 127.0.01, 13001 > User \ databases > Queens Class Schedule > Programma bility > Stored \ Procedures > Project 3. Load Class$

[Project3].[QueensClassScheduleCurrentSemester] [Process].[usp_TrackWorkFlow] Project3

Used By

[Project3].[LoadClassDay]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadClassDay] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Course_info].[ClassDay] (
       -- ClassDayID,
       ClassDetailID,
       DayID,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   SELECT
       -- NEXT VALUE FOR PkSequence.ClassDaySequenceObject AS ClassDayID,
       cd.ClassDetailID, --ClassDetail
       d.DayID,
        @UserAuthorizationKey,
       @DateAdded,
```

```
@DateOfLastUpdate
   FROM Uploadfile.CurrentSemesterCourseOfferings AS O
       inner JOIN dbo.[ClassDetail] AS CD
           ON cd.Sec = o.Sec AND --VARCHAR
              cd.Code = o.Code AND
              cd.[Time] = o.[Time] AND
              cd.Enrolled = o.Enrolled AND
              cd.MaxEnrollment = o.Limit
                                                    --locationID
       inner JOIN dbo.[Day] AS D
          ON d.DayName = o.[Day]
       WHERE LEN(o.[Day]) > 0
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT COUNT(*) FROM [QueensClassSchedule].[Course info].[ClassDay]
   );
   EXEC Process.usp TrackWorkFlow @WorkFlowDescription = N'Loads Class Day Data',
-- nvarchar(100)
                                   @StartDateTime = @StartingDateTime,
-- datetime2(7)
                                   @EndDateTime = @EndingDateTime,
-- datetime2(7)
                                   @WorkFlowTableRowCount = @WorkFlowTableRowCount,
-- int
                                   @UserAuthorizationKey = 3
-- int
END;
GO
```

[Course_info].[ClassDay]
[Uploadfile].[CurrentSemesterCourseOfferings]
[Process].[usp_TrackWorkFlow]
Project3

Used By

[Project3].[LoadClassDetail]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadClassDetail] @UserAuthorizationKey INT
BEGIN
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   SET NOCOUNT ON;
   ;with t1 as (
       select L.LocationID as 'LocationId', R.[RoomNumber], B.BuildingName
        from dbo.Location as L
       inner join dbo.RoomLocation as R on R.RoomLocationID = L.RoomLocationID
       inner join dbo.BuildingLocation as B on B.BuildingLocationID = L.Building-
LocationID
   )
   INSERT INTO [Course info].[ClassDetail]
        -- ClassDetailID,
       Sec,
       Code,
       Time,
       LocationID,
```

```
Enrolled,
       MaxEnrollment,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   )
   select
       -- NEXT VALUE FOR [PkSequence].[ClassDetailSequenceObject] AS ClassDetailID,
       u.Sec,
       u.Code,
       u.Time,
       T.LocationId,
       u.Enrolled,
       u.[Limit],
       @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
       SYSDATETIME(), -- DateAdded - Date Time
       SYSDATETIME() -- DateOfLastUpdate - Date Time
   from [QueensClassSchedule].project3.QueensClassScheduleCurrentSemester as u
   inner join [t1] as t
   on u.Location = t.BuildingName + ' ' + t.RoomNumber;
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2
   SET @StartingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Course info].[ClassDetail]
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load ClassDetail Table',
                                        @WorkFlowStepTableRowCount,
                                      @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END:
GO
```

 $\label{eq:project} Project > 127.0.01, 13001 > User\ databases > Queens Class Schedule > Programma bility > Stored\ Procedures > Project 3. Load Class Detail$

Uses

[Course_info].[ClassDetail] [Project3].[QueensClassScheduleCurrentSemester] [Process].[usp_TrackWorkFlow] Project3

Used By

[Project3].[LoadCourse]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadCourse] (@UserAuthorizationKey INT)
AS
BEGIN
   DECLARE @Start DATETIME2 = SYSDATETIME()
   INSERT INTO [Course info].[Course]
       CourseID,
       CourseName,
       Description,
       Credits,
       Hours,
        DepartmentID,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   SELECT
       NEXT VALUE FOR [PkSequence].[CourseSequenceObject],
       LEFT(o.[Course (hr, crd)],8) as 'CourseName',
       o.[Description],
       LEFT(RIGHT(o.[Course (hr, crd)], 2), 1) as 'Credits',
       LEFT(RIGHT(o.[Course (hr, crd)], 5), 1) as 'Hours',
       D.DepartmentID,
        @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
       SYSDATETIME(), -- DateAdded - Date Time
        SYSDATETIME() -- DateOfLastUpdate - Date Time
   FROM project3.QueensClassScheduleCurrentSemester as o
   inner join dbo.Department as D on D.[DepartmentName] = LEFT(o.[Course (hr, crd)],4)
```

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Programmability > Stored Procedures > Project3.LoadCourse

```
DECLARE @End DATETIME2 = SYSDATETIME()

DECLARE @WorkFlowTableRowCount INT;

SET @WorkFlowTableRowCount =

(

SELECT COUNT(*) FROM [QueensClassSchedule].[Course_info].[Course]
);

EXEC Process.usp_TrackWorkFlow @WorkFlowDescription = N'Loading ', -- nvarchar(100)

@StartDateTime = @Start, -- DateFormat

@EndDateTime = @End, -- DateFormat

@WorkFlowTableRowCount = @WorkFlowTableRowCount,

@UserAuthorizationKey = 2

END

GO
```

Uses

[Course_info].[Course]
[dbo].[Department]
[Project3].[QueensClassScheduleCurrentSemester]
[Process].[usp_TrackWorkFlow]
Project3
[PkSequence].[CourseSequenceObject]

Used By

[Project3].[LoadDay]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadDay] @UserAuthorizationKey INT
BEGIN
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   SET NOCOUNT ON;
   WITH c2 as(
       SELECT REPLACE([Day],' ','') as 'NewDay'
       FROM [QueensClassSchedule].project3.QueensClassScheduleCurrentSemester
   INSERT INTO [Attachment].[Day]
       DayName,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   SELECT
   distinct
```

```
Case
        WHEN [value] = 'SU' then 'SU'
        WHEN [value] = 'M' then 'M'
       WHEN [value] = 'TH' then 'TH'
       WHEN [value] = 'F' then 'F'
       WHEN [value] = 'W' then 'W'
        WHEN [value] = 'T' then 'T'
       WHEN [value] = 'S' then 'S'
       else 'TBD'
   as 'DayName',
   @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
   SYSDATETIME(), -- DateAdded - Date_Time
   SYSDATETIME() -- DateOfLastUpdate - Date Time
   from c2 cross apply string_split(NewDay, ',')
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Attachment].[Day]
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load Day Table',
                                        @WorkFlowStepTableRowCount,
                                       @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

[Attachment].[Day]
[Project3].[QueensClassScheduleCurrentSemester]
[Process].[usp_TrackWorkFlow]
Project3

Project >	127.0.01,1	3001 > L	Jser databases	> QueensClassSchedule	> Programmability	> Stored Pr	ocedures >
Project3.	LoadDay						

Used By

[Project3].[LoadDepartment]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadDepartment] @UserAuthorizationKey INT
BEGIN
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   WITH Table1 AS
       SELECT DISTINCT SUBSTRING([Course (hr, crd)], 0, CHARINDEX(' ', [Course (hr,
crd)])) AS DepartmentName
       FROM [QueensClassSchedule].[project3].[QueensClassScheduleCurrentSemester]
   )
   INSERT INTO [QueensClassSchedule].[HR].[Department]
        -- [DepartmentId],
        [DepartmentName],
        [UserAuthorizationKey],
        [DateAdded],
        [DateOfLastUpdate]
```

```
SELECT
       -- NEXT VALUE FOR PKSequence.DepartmentObject, -- DepartmentId - SurrogateKey
       Table1.DepartmentName,
        @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
        SYSDATETIME(), -- DateAdded - Date Time
        SYSDATETIME() -- DateOfLastUpdate - Date Time
    FROM Table1
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[HR].[Department]
   );
   \operatorname{\mathsf{--}} we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load Department Table',
                                     -- @WorkFlowStepTableRowCount,
                                       @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                     @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                     @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                        @UserAuthorizationKey= 3;
END;
--exec [Project3].[LoadDepartment] @UserAuthorizationKey =2
GO
```

[Project3].[QueensClassScheduleCurrentSemester]

[Process].[usp_TrackWorkFlow]

Project3

Used By

[Project3].[LoadDepartmentInstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadDepartmentInstructor] @UserAuthorizationKey INT
BEGIN
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   SET NOCOUNT ON;
   WITH Table1 AS (
       SELECT
       DISTINCT d.DepartmentId, i.InstructorId
       FROM project3.QueensClassScheduleCurrentSemester AS old
            INNER JOIN dbo.Department AS d
               ON SUBSTRING([Course (hr, crd)], 0, CHARINDEX(' ', [Course (hr, crd)]))
= d.DepartmentName
           INNER JOIN dbo.Instructor AS i
               ON i.InstructorFirstName =RIGHT([Instructor], LEN([Instructor]) -
CHARINDEX(' ',[Instructor]))
                       AND
                    i.InstructorLastName =
SUBSTRING([Instructor], 0, CHARINDEX(',', [Instructor]))
        WHERE
            LEN(SUBSTRING([Instructor], 0, CHARINDEX(',', [Instructor]))) > 0
```

```
LEN(RIGHT([Instructor], LEN([Instructor]) - CHARINDEX(',',[Instructor])) > 0
   INSERT INTO [QueensClassSchedule].[HR].[DepartmentInstructor]
        -- [DeptInstructorID]
      [DepartmentID]
      ,[InstrustorID]
      ,[UserAuthorizationKey]
      ,[DateAdded]
      ,[DateOfLastUpdate]
   SELECT
        -- NEXT VALUE FOR PKSequence.DepartmentInstructorSequenceObject,
       Table1.DepartmentId,
       Table1.InstructorId,
       @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
        SYSDATETIME(), -- DateAdded - Date Time
       SYSDATETIME() -- DateOfLastUpdate - Date_Time
   FROM Table1
DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[HR].[DepartmentInstructor]
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp_TrackWorkFlow 'Load DepartmentInstructor Table',
                                          @WorkFlowStepTableRowCount,
                                       @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END
GO
```

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Programmability > Stored Procedures > Project3.LoadDepartmentInstructor

Uses

[dbo].[Department]
[dbo].[Instructor]
[Project3].[QueensClassScheduleCurrentSemester]
[Process].[usp_TrackWorkFlow]
Project3

Used By

[Project3].[LoadInstructor]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadInstructor] @UserAuthorizationKey INT
BEGIN
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   SET NOCOUNT ON;
   WITH C1 AS(
       SELECT
DISTINCT RIGHT([Instructor], LEN([Instructor]) - CHARINDEX(' ',[Instructor]))
AS [First], -- InstructorFirstName - InstructorFirstName
       SUBSTRING([Instructor], 0, CHARINDEX(',', [Instructor])) AS [Last] -- Instructor-
LastName - InstructorLastName
       FROM [Uploadfile].[CurrentSemesterCourseOfferings] AS old
       WHERE
           LEN(SUBSTRING([Instructor], 0, CHARINDEX(',', [Instructor]))) > 0
```

```
INSERT INTO [QueensClassSchedule].[HR].[Instructor]
        --InstructorID, --InstructorId- SurrogateKey
       InstructorLastName,
       InstructorFirstName,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   )
   SELECT
       --NEXT VALUE FOR PKSequence.InstructorObject, -- InstructorId - SurrogateKey
       C1.[Last],
       C1.[First],
       @UserAuthorizationKey, -- UserAuthorizationKey - SurrogateKey
        SYSDATETIME(), -- DateAdded - Date_Time
       SYSDATETIME() -- DateOfLastUpdate - Date_Time
   FROM C1
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[HR].[Instructor]
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load Instructor Table',
                                    -- @WorkFlowStepTableRowCount,
                                      @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
--EXEC [Project3].[LoadInstructor] @UserAuthorizationKey = 1;
GO
```

 $\label{eq:project} Project > 127.0.01, 13001 > User\ databases > Queens Class Schedule > Programma bility > Stored\ Procedures > Project 3. Load Instructor$

Uses

[Uploadfile].[CurrentSemesterCourseOfferings] [Process].[usp_TrackWorkFlow] Project3

Used By

[Project3].[LoadLocation]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadLocation] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Building info].[Location] (
       --LocationID,
       BuildingLocationID,
       RoomLocationID,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   )
   SELECT
        --NEXT VALUE FOR PkSequence.LocationSequenceObject AS LocationID,
       b.[BuildingLocationID],
       r.[RoomLocationID],
        @UserAuthorizationKey,
        @DateAdded,
        @DateOfLastUpdate
   FROM Uploadfile.CurrentSemesterCourseOfferings AS O
```

```
LEFT JOIN dbo.BuildingLocation AS B
           ON b.BuildingName = SUBSTRING(o.[Location], 0, CHARINDEX('',
o.[Location]))
       LEFT JOIN dbo.RoomLocation AS R
           ON r.RoomNumber = RIGHT(o.[Location], LEN(o.[Location]) - CHARINDEX(' ',
o.[Location])) --RoomLocation
   WHERE LEN(o.[Location]) > 0
DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Building info].[Location]
   );
   -- we need this procedure to execute , name to be determined
   --set @WorkFlowStepsDescription = 'Load Department Table'
   EXEC Process.usp TrackWorkFlow 'Load Location Table',
                                         @WorkFlowStepTableRowCount,
                                      @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

Uses

[Building_info].[Location]
[Uploadfile].[CurrentSemesterCourseOfferings]
[Process].[usp_TrackWorkFlow]
Project3

Used By

[Project3].[LoadModeInstruction]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3]. [LoadModeInstruction] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Attachment].[ModeInstruction] (ModeName, UserAuthorizationKey, Date-
Added, DateOfLastUpdate)
   select
       -- NEXT VALUE FOR PKSequence.[ModeInstructionSequenceObject],
       distinct a.[Mode Of Instruction], @UserAuthorizationKey, @DateAdded, @DateOf-
LastUpdate
   from [QueensClassSchedule].project3.QueensClassScheduleCurrentSemester as a
   DECLARE @EndingDateTime DATETIME2;
   SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
```

Uses

[Attachment].[ModeInstruction]
[Project3].[QueensClassScheduleCurrentSemester]
[Process].[usp_TrackWorkFlow]
Project3

Used By

[Project3].[LoadQueensCourseSchedule]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadQueensCourseSchedule] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @DateAdded DATETIME2;
   SET @DateAdded = SYSDATETIME();
   DECLARE @DateOfLastUpdate DATETIME2;
   SET @DateOfLastUpdate = SYSDATETIME();
   DECLARE @StartingDateTime DATETIME2;
   SET @StartingDateTime = SYSDATETIME();
   INSERT INTO [Attachment].[Schedule] (
       ClassID,
       UserAuthorizationKey,
       DateAdded,
       DateOfLastUpdate
   SELECT
       --NEXT VALUE FOR PkSequence.LocationSequenceObject AS LocationID,
       ClassID,
       @UserAuthorizationKey,
       @DateAdded,
       @DateOfLastUpdate
   FROM dbo.Class;
   DECLARE @EndingDateTime DATETIME2;
```

```
SET @EndingDateTime = SYSDATETIME();
   DECLARE @WorkFlowTableRowCount INT;
   SET @WorkFlowTableRowCount =
       SELECT count(*) FROM [QueensClassSchedule].[Attachment].[Schedule]
   );
   -- we need this procedure to execute , name to be determined
   EXEC Process.usp_TrackWorkFlow 'Load Schedule Table',
                                    -- @WorkFlowStepTableRowCount,
                                      @StartingDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndingDateTime = @EndingDateTime,
-- datetime2(7)
                                    @WorkFlowStepTableRowCount = @WorkFlowTableRow-
Count,
                                       @UserAuthorizationKey= 3;
END;
GO
```

Uses

[Attachment].[Schedule] [Process].[usp_TrackWorkFlow] Project3

Used By

[Project3].[LoadStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[LoadStarSchemaData] @UserAuthorizationKey INT
AS
BEGIN
   SET NOCOUNT ON;
      DECLARE @StartingDateTime DATETIME2 = SYSDATETIME();
        Drop All of the foreign keys prior to truncating tables in the star schema
  -- EXEC [Project3].[DropForeignKeysFromStarSchemaData] @UserAuthorizationKey = 6;--
change this number once groupmember AuthorizationKey confirmed
   -- Check row count before truncation
   ---EXEC[Project3].[ShowTableStatusRowCount] @UserAuthorizationKey = 2, -- Change -
1 to the appropriate UserAuthorizationKey
        @TableStatus = N'''Pre-truncate of tables'''
        Always truncate the Star Schema Data
   -- EXEC [Project3].[TruncateStarSchemaData] @UserAuthorizationKey = 2;
        Load the star schema
   EXEC [Project3].[TruncateStarSchemaData] @UserAuthorizationKey = 1;
   EXEC [Project3].[Load RoomLocation] @UserAuthorizationKey = 3;
```

```
EXEC [Project3].[Load BuildingLocation] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadLocation] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadClassDetail] @UserAuthorizationKey = 2; --ERROR
   EXEC [Project3].[LoadDepartment] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadCourse] @UserAuthorizationKey = 3;
   EXEC [Project3].[LoadDay] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadInstructor] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadDepartmentInstructor] @UserAuthorizationKey = 2; -- Foreign
key error
   EXEC [Project3].[LoadClassDay] @UserAuthorizationKey = 2; -- Needs class detail
   EXEC [Project3].[LoadModeInstruction] @UserAuthorizationKey = 2;
   EXEC [Project3].[LoadClass] @UserAuthorizationKey = 3; -- ERROR
   EXEC [Project3].[LoadQueensCourseSchedule] @UserAuthorizationKey = 1; -- ERROR
    -- Check row count after truncation
   -- EXEC [Project3].[ShowTableStatusRowCount]
          @UserAuthorizationKey = 2, -- Change -1 to the appropriate User-
AuthorizationKey
         @TableStatus = N'''Row Count after loading the star schema'''
   -- EXEC [Project3].[AddForeignKeysToStarSchemaData] @UserAuthorizationKey = 3;
   DECLARE @StartDateTime DATETIME2 = SYSDATETIME();
   DECLARE @EndDateTime DATETIME2 = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC Process.usp TrackWorkFlow @WorkFlowDescription = N'Loading StarSchema',
-- nvarchar(100)
                                  @StartingDateTime = @StartDateTime, -- datetime2(7)
                                  @EndingDateTime = @EndDateTime, -- datetime2(7)
                                  @WorkFlowStepTableRowCount = 0,
                                                                       -- int
                                  @UserAuthorizationKey = 2
                                                                        -- int
END:
GO
```

Uses

```
[Process].[usp_TrackWorkFlow]
[Project3].[Load_BuildingLocation]
[Project3].[Load_RoomLocation]
[Project3].[LoadClass]
[Project3].[LoadClassDetail]
[Project3].[LoadCourse]
[Project3].[LoadDay]
[Project3].[LoadDay]
```

Author: StudentCSCI381Erwin

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Programmability > Stored Procedures > Project3.LoadStarSchemaData

[Project3].[LoadDepartmentInstructor]

[Project3].[LoadInstructor]

[Project3].[LoadLocation]

[Project3].[LoadModeInstruction]

[Project3].[LoadQueensCourseSchedule]

[Project3].[TruncateStarSchemaData]

Project3

[Project3].[TruncateStarSchemaData]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

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

```
CREATE PROCEDURE [Project3].[TruncateStarSchemaData] @UserAuthorizationKey INT
BEGIN
   SET NOCOUNT ON;
   DECLARE @StartingDateTime DATETIME2 = SYSDATETIME();
   -- TRUNCATE TABLE dbo.BuildingLocation;
   -- TRUNCATE TABLE dbo.Class;
   -- TRUNCATE TABLE dbo.ClassDay;
   -- TRUNCATE TABLE dbo.ClassDetail;
   -- TRUNCATE TABLE dbo.Course;
   -- TRUNCATE TABLE dbo.Day;
   -- TRUNCATE TABLE dbo.Department;
   -- TRUNCATE TABLE dbo.DepartmentInstructor;
   -- TRUNCATE TABLE dbo.Instruction;
   -- TRUNCATE TABLE dbo.Location;
   -- TRUNCATE TABLE dbo.ModeInstruction;
   -- TRUNCATE TABLE dbo.RoomLocation;
   -- TRUNCATE TABLE dbo.Schedule;
   -- TRUNCATE TABLE dbo.Semester;
   DELETE FROM [Building_info].[BuildingLocation];
   DELETE FROM [Course info].[Class];
   DELETE FROM [Course info].[ClassDay];
   DELETE FROM [Course info].[ClassDetail];
   DELETE FROM [Course_info].[Course];
   DELETE FROM [Attachment].[Day];
   DELETE FROM [HR].[Department];
   DELETE FROM [HR].[DepartmentInstructor];
```

```
DELETE FROM [HR].[Instructor];
   DELETE FROM [Building info].[Location];
   DELETE FROM [Attachment].[ModeInstruction];
   DELETE FROM [Building info].[RoomLocation];
   -- DELETE FROM dbo.Schedule;
   --DELETE FROM dbo.Semester;
   -- ALTER SEQUENCE [PkSequence].[BuildingLocationSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[ClassSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[ClassDaySequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[ClassDetailSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[CourseSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[DaySequenceObject] RESTART WITH 1;
    -- ALTER SEQUENCE [PkSequence].[DepartmentSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[DepartmentInstructorSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[InstructionSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[LocationSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[ModeInstructionSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[RoomLocationSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[ScheduleSequenceObject] RESTART WITH 1;
   -- ALTER SEQUENCE [PkSequence].[SemesterSequenceObject] RESTART WITH 1;
   -- DECLARE @WorkFlowStepTableRowCount INT;
   -- SET @WorkFlowStepTableRowCount = 0;
   -- DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   -- EXEC Process.usp_TrackWorkFlow @WorkFlowDescription = N'Creation of truncation
procedure', -- nvarchar(100)
                                     @StartDateTime = @StartingDateTime,
-- datetime2(7)
                                    @EndDateTime = @EndingDateTime,
-- datetime2(7)
                                    WorkFlowStepTableRowCount = 0,
-- int
                                     @UserAuthorizationKey = 2
-- int
   DECLARE @StartDateTime DATETIME2 = SYSDATETIME();
   DECLARE @EndDateTime DATETIME2 = SYSDATETIME();
   DECLARE @WorkFlowStepTableRowCount INT;
   SET @WorkFlowStepTableRowCount = 0;
   DECLARE @EndingDateTime DATETIME2 = SYSDATETIME();
   EXEC Process.usp TrackWorkFlow @WorkFlowDescription = N'Loading StarSchema',
-- nvarchar(100)
                                  @StartingDateTime = @StartDateTime, -- datetime2(7)
                                  @EndingDateTime = @EndDateTime, -- datetime2(7)
                                  @WorkFlowStepTableRowCount = 0,
                                                                      -- int
                                                                         -- int
                                  @UserAuthorizationKey = 2
END:
GO
```

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Programmability > Stored Procedures > Project3.TruncateStarSchemaData

Uses

[Attachment].[Day]

[Attachment].[ModeInstruction]

[Building_info].[BuildingLocation]

[Building_info].[Location]

[Building_info].[RoomLocation]

[Course_info].[Class]

[Course_info].[ClassDay]

[Course_info].[ClassDetail]

[Course_info].[Course]

[Process].[usp_TrackWorkFlow]

Project3

Used By

■ Table-valued Functions

Objects

Name	
dbo.DatabaseObjects	
dbo.JSONHierarchy	

🗔 [dbo].[DatabaseObjects]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@ListOfObjectIDs	varchar(max)	max

```
create function [dbo].[DatabaseObjects]
   Summary: >
    lists out the full names, schemas and (where appropriate)
    the owner of the object.
  Author: PhilFactor
   Date: 10/9/2017
   Examples:
      - Select * from dbo.DatabaseObjects('2123154609,960722475,1024722703')
   Returns: >
     A table with the id, name of object and so on.
          **/
   @ListOfObjectIDs varchar(max)
returns table
--WITH ENCRYPTION|SCHEMABINDING, ..
return
   select object id
       , schema_name(schema_id) + '.' + coalesce(object_name(parent_object_id) + '.',
'') + name as name
   from sys.objects as ob
       inner join openjson(N'[' + @ListOfObjectIDs + N']')
          on convert(int, Value) = ob.object_id
);
GO
```

[dbo].[JSONHierarchy]

Properties

Property	Value
ANSI Nulls On	True
Quoted Identifier On	True

Parameters

Name	Data Type	Max Length (Bytes)
@JSONData	varchar(max)	max
@Parent_object_ID	int	4
@MaxObject_id	int	4
@type	int	4

```
create function [dbo].[JSONHierarchy]
   @JSONData varchar(max)
 , @Parent object ID int = null
  , @MaxObject_id int = 0
  , @type int = null
returns @ReturnTable table
   -- https://www.red-gate.com/simple-talk/blogs/consuming-hierarchical-json-
documents-sql-server-using-
openjson/?utm source=simpletalk&utm medium=pubemail&utm content=20171010-
slotal&utm term=simpletalkmain
   Element_ID int identity(1, 1) primary key /* internal surrogate primary key gives
the order of parsing and the list order */
 , SequenceNo int null
                                             /* the sequence number in a list */
                                             /* if the element has a parent then it is
  , Parent ID int
in this column. The document is the ultimate parent, so you can get the structure from
recursing from the document */
  , Object ID int
                                             /* each list or object has an object id.
This ties all elements to a parent. Lists are treated as objects here */
 , Name nvarchar(2000)
                                            /* the name of the object */
  , StringValue nvarchar(max) not null
                                            /*the string representation of the value
of the element. */
 , ValueType varchar(10) not null
                                            /* the declared type of the value
represented as a string in StringValue*/
```

```
begin
   --the types of JSON
   declare @null int = 0
         , @string int = 1
          , @int int = 2
          , @boolean int = 3
          , @array int = 4
          , @object int = 5;
   declare @OpenJSONData table
       sequence int identity(1, 1)
      , [key] varchar(200)
      , Value varchar(max)
      , type int
   );
   declare @key varchar(200)
, @Value varchar(max)
         , @Thetype int
                    int
         , @ii
         , @iiMax
                     int
         , @NewObject int
          , @firstchar char(1);
   insert into @OpenJSONData
        [key]
      , Value
     , type
   select [Key]
        , Value
         , Type
   from openjson(@JSONData);
   select @ii = 1
        , @iiMax = scope identity();
   select @firstchar
       = --the first character to see if it is an object or an array
       substring(
                    @JSONData
                   , patindex(
                                '%[^' + char(0) + '- ' + char(160) + ']%'
                              , ' ' + @JSONData + '!' collate SQL Latin1 General -
CP850 BIN
                            ) - 1
                  , 1
                );
   if @type is null
      and @firstchar in ( '[', '{' )
       insert into @ReturnTable
```

```
SequenceNo
          , Parent ID
          , Object_ID
          , Name
          , StringValue
          , ValueType
        select 1
           , null
            , 1
            , '-'
             , "
             , case @firstchar
                  when '[' then
                      'array'
                  else
                      'object'
              end;
                               = case @firstchar
       select @type
                                      when '[' then
                                          @array
                                      else
                                          @object
            , @Parent_object_ID = 1
             , @MaxObject id = coalesce(@MaxObject id, 1) + 1;
   end;
   while (@ii <= @iiMax)</pre>
   begin
        --OpenJSON renames list items with 0-nn which confuses the consumers of the
table
       select @key
                      = case
                             when [key] like '[0-9]%' then
                                 null
                             else
                                [key]
                         end
             , @Value = Value
             , @Thetype = type
        from @OpenJSONData
       where sequence = @ii;
       if @Thetype in ( @array, @object ) --if we have been returned an array or
object
       begin
            select @MaxObject id = coalesce(@MaxObject id, 1) + 1;
            --just in case we have an object or array returned
           insert into @ReturnTable --record the object itself
               SequenceNo
              , Parent ID
              , Object ID
              , Name
```

```
, StringValue
      , ValueType
    select @ii
        , @Parent object ID
         , @MaxObject_id
        , @key
         , ''
         , case @Thetype
               when @array then
                 'array'
               else
                  'object'
           end;
    insert into @ReturnTable --and return all its children
       SequenceNo
      , Parent_ID
      , Object_ID
      , [Name]
      , StringValue
      , ValueType
    select SequenceNo
       , Parent ID
        , Object_ID
        , [Name]
         , StringValue
        , ValueType
    from dbo.JSONHierarchy(@Value, @MaxObject_id, @MaxObject_id, @type);
    select @MaxObject id = max(Object ID) + 1
   from @ReturnTable;
end;
else
    insert into @ReturnTable
       SequenceNo
     , Parent_ID
      , Object ID
      , Name
      , StringValue
      , ValueType
    select @ii
        , @Parent object ID
        , null
         , @key
         , @Value
         , case @Thetype
              when @string then
                  'string'
               when @null then
```

" User-Defined Data Types

Objects

Name
Udt.BuildingLocation
Udt.ClassTime
Udt.Count
Udt.CourseCode
Udt.CourseDesc
Udt.CourseName
Udt.DateAdded
Udt.DateOf
Udt.DateOfLastUpdate
Udt.DayOfWeek
Udt.DepartmentName
Udt.Description
Udt.FirstName
Udt.GroupName
Udt.IndividualProject
Udt.IntValue
Udt.LastName
Udt.Location
Udt.ModeOfInstruction
Udt.Name
Udt.RoomLocation
Udt.Section
Udt.SurrogateKeyInt

[Udt].[BuildingLocation]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[BuildingLocation] FROM nvarchar (50) NOT NULL
GO

Uses

[Udt].[ClassTime]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[ClassTime] FROM nvarchar (50) NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

CREATE TYPE [Udt].[Count] FROM int NULL
GO

Uses

Udt

Used By

[Process].[usp_TrackWorkFlow]



Property	Value
Nullability	NULL allowed
Base Type Name	varchar
Length	50

SQL Script

CREATE TYPE [Udt].[CourseCode] FROM varchar (50) NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	varchar
Length	50

SQL Script

CREATE TYPE [Udt].[CourseDesc] FROM varchar (50) NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	varchar
Length	50

SQL Script

CREATE TYPE [Udt].[CourseName] FROM varchar (50) NULL
GO

Uses

[Udt].[DateAdded]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [Udt].[DateAdded] FROM datetime2 NOT NULL
GO

Uses

Udt

Used By

[Attachment].[Day]

[Attachment].[ModeInstruction]

[Attachment].[Schedule]

[Building_info].[BuildingLocation]

[Building_info].[Location]

[Building_info].[RoomLocation]

[Course_info].[Class]

[Course_info].[ClassDay]

[Course_info].[ClassDetail]

[Course_info].[Course]

[dbo].[Department]

[dbo].[DepartmentInstructor]

[dbo].[Instructor]



Property	Value
Nullability	NOT NULL
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [Udt].[DateOf] FROM datetime2 NOT NULL
GO

Uses

Udt

Used By

[Process].[usp_TrackWorkFlow]

[Udt].[DateOfLastUpdate]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	datetime2
Length	8

SQL Script

CREATE TYPE [Udt].[DateOfLastUpdate] FROM datetime2 NOT NULL
GO

Uses

Udt

Used By

[Attachment].[Day]

[Attachment].[ModeInstruction]

[Attachment].[Schedule]

[Building_info].[BuildingLocation]

[Building_info].[Location]

[Building_info].[RoomLocation]

[Course_info].[Class]

[Course_info].[ClassDay]

[Course_info].[ClassDetail]

[Course_info].[Course]

[dbo].[Department]

[dbo].[DepartmentInstructor]

[dbo].[Instructor]

[Udt].[DayOfWeek]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[DayOfWeek] FROM nvarchar (50) NOT NULL
GO

Uses

[Udt].[DepartmentName]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[DepartmentName] FROM nvarchar (50) NULL
GO

Uses

[Udt].[Description]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[Description] FROM nvarchar (50) NOT NULL
GO

Uses

Udt

Used By

[Process].[usp_TrackWorkFlow]



Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	20

SQL Script

CREATE TYPE [Udt].[FirstName] FROM nvarchar (20) NOT NULL
GO

Uses

[Udt].[GroupName]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	20

SQL Script

CREATE TYPE [Udt].[GroupName] FROM nvarchar (20) NOT NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[IndividualProject] FROM nvarchar (50) NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[IntValue] FROM nvarchar (50) NULL
GO

Uses



Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	35

SQL Script

CREATE TYPE [Udt].[LastName] FROM nvarchar (35) NOT NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[Location] FROM nvarchar (50) NULL
GO

Uses

[Udt].[ModeOfInstruction]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[ModeOfInstruction] FROM nvarchar (50) NOT NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[Name] FROM nvarchar (50) NULL
GO

Uses

[Udt].[RoomLocation]

Properties

Property	Value
Nullability	NOT NULL
Base Type Name	nvarchar
Length	50

SQL Script

CREATE TYPE [Udt].[RoomLocation] FROM nvarchar (50) NOT NULL
GO

Uses



Property	Value
Nullability	NULL allowed
Base Type Name	varchar
Length	50

SQL Script

CREATE TYPE [Udt].[Section] FROM varchar (50) NULL
GO

Uses

[Udt].[SurrogateKeyInt]

Properties

Property	Value
Nullability	NULL allowed
Base Type Name	int
Length	4

SQL Script

```
CREATE TYPE [Udt].[SurrogateKeyInt] FROM int NULL
GO
```

Uses

Udt

Used By

[Attachment].[Day]

[Attachment].[ModeInstruction]

[Attachment].[Schedule]

[Building_info].[BuildingLocation]

[Building_info].[Location]

[Building_info].[RoomLocation]

[Course_info].[Class]

[Course_info].[ClassDay]

[Course_info].[ClassDetail]

[Course_info].[Course]

[dbo].[Department]

[dbo].[DepartmentInstructor]

[dbo].[Instructor]

[Process].[usp_TrackWorkFlow]

Sequences

Objects

Name
PkSequence.BuildingLocationSequenceObject
PkSequence.ClassDaySequenceObject
PkSequence.ClassDetailSequenceObject
PkSequence.ClassSequenceObject
PkSequence.CourseSequenceObject
PkSequence.DaySequenceObject
PkSequence.DepartmentInstructorSequenceObject
PkSequence.DepartmentObject
PkSequence.LocationSequenceObject
PkSequence.ModeInstructionSequenceObject
PkSequence.RoomLocationSequenceObject
PkSequence.ScheduleSequenceObject
PkSequence.UserAuthorizationSequenceObject
PkSequence.WorkflowStepsSequenceObject

[PkSequence].[BuildingLocationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[ClassDaySequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[ClassDetailSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[ClassSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[CourseSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

PkSequence

Used By

[Project3].[LoadCourse]

[PkSequence].[DaySequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[DepartmentInstructorSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[DepartmentObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[LocationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[ModeInstructionSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[RoomLocationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

PkSequence

Used By

[Project3].[Load_RoomLocation]

[PkSequence].[ScheduleSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[UserAuthorizationSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses

[PkSequence].[WorkflowStepsSequenceObject]

Properties

Property	Value
Owner	PkSequence

SQL Script

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

Uses



Objects

Name
BiStudent
dbo
EC3\thehitman
guest
student



Property	Value
Туре	SqlUser
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

CREATE USER [BiStudent] WITHOUT LOGIN
GO



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\thehitman
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

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



Property	Value
Туре	SqlUser
Default Schema	guest

SQL Script

GO			



Property	Value
Туре	SqlUser
Default Schema	dbo

Database Level Permissions

Туре	Action
CONNECT	Grant

SQL Script

CREATE USER [student] WITHOUT LOGIN
GO

La Database Roles

Objects

ame
o_accessadmin
o_backupoperator
o_datareader
o_datawriter
o_ddladmin
o_denydatareader
o_denydatawriter
o_owner
o_securityadmin
ıblic

♣ db_accessadmin

Properties

Property	Value
Owner	dbo

db_backupoperator

Properties

Property	Value
Owner	dbo

db_datareader

Properties

Property	Value
Owner	dbo

Members

- BiStudent
- student

SQL Script

```
ALTER ROLE [db_datareader] ADD MEMBER [BiStudent]

GO

ALTER ROLE [db_datareader] ADD MEMBER [student]

GO
```

Uses

BiStudent student

db_datawriter

Properties

Property	Value
Owner	dbo

db_ddladmin

Properties

Property	Value
Owner	dbo

db_denydatareader

Properties

Property	Value
Owner	dbo

db_denydatawriter

Properties

Property	Value
Owner	dbo

db_owner

Project > 127.0.01,13001 > User databases > QueensClassSchedule > Security > Roles > Database Roles > db_owner

Properties

Property	Value
Owner	dbo

Members

• EC3\thehitman

SQL Script

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

GO
```

Uses

EC3\thehitman

db_securityadmin

Properties

Property	Value
Owner	dbo

nublic 🕰

Properties

Property	Value
Owner	dbo

△ Schemas

Objects

Name
Attachment
Building_info
Course_info
DbSecurity
GroupNameProject3
HR
Mode
PkSequence
Process
Project3
Udt
Uploadfile
Utils
YourLastName

△ Attachment

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Attachment].[Day]
[Attachment].[ModeInstruction]
[Attachment].[Schedule]

△ Building_info

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Building_info].[BuildingLocation] [Building_info].[Location] [Building_info].[RoomLocation]

⚠ Course_info

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Course_info].[Class] [Course_info].[ClassDay] [Course_info].[ClassDetail] [Course_info].[Course]

♣ DbSecurity

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[DbSecurity].[UserAuthorization]

⚠ GroupNameProject3

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [GroupNameProject3]
AUTHORIZATION [dbo]
GO
```



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [HR]
AUTHORIZATION [dbo]
GO



Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [Mode]
AUTHORIZATION [dbo]
GO

△ PkSequence

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[PkSequence].[BuildingLocationSequenceObject]

[PkSequence].[ClassDaySequenceObject]

[PkSequence].[ClassDetailSequenceObject]

[PkSequence].[ClassSequenceObject]

[PkSequence].[CourseSequenceObject]

[PkSequence].[DaySequenceObject]

[PkSequence].[DepartmentInstructorSequenceObject]

[PkSequence].[DepartmentObject]

[PkSequence].[LocationSequenceObject]

[PkSequence]. [ModeInstructionSequenceObject]

[PkSequence].[RoomLocationSequenceObject]

[PkSequence]. [ScheduleSequenceObject]

[PkSequence]. [User Authorization Sequence Object]

[PkSequence]. [WorkflowStepsSequenceObject]

⚠ Process

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

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

△ Project3

Properties

Property	Value
Owner	dbo

SQL Script

```
CREATE SCHEMA [Project3]
AUTHORIZATION [dbo]
GO
```

Used By

[Project3].[QueensClassScheduleCurrentSemester]

[Project3].[Load_BuildingLocation]

[Project3].[Load_RoomLocation]

[Project3].[LoadClass]

[Project3].[LoadClassDay]

[Project3].[LoadClassDetail]

[Project3].[LoadCourse]

[Project3].[LoadDay]

[Project3].[LoadDepartment]

[Project3].[LoadDepartmentInstructor]

[Project3].[LoadInstructor]

[Project3].[LoadLocation]

[Project 3]. [Load Modeln struction]

[Project 3]. [Load Queens Course Schedule]

[Project3].[LoadStarSchemaData]

[Project3].[TruncateStarSchemaData]

∆ Udt

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Udt].[BuildingLocation]

[Udt].[ClassTime]

[Udt].[Count]

[Udt].[CourseCode]

[Udt].[CourseDesc]

[Udt].[CourseName]

[Udt].[DateAdded]

[Udt].[DateOf]

[Udt].[DateOfLastUpdate]

[Udt].[DayOfWeek]

[Udt].[DepartmentName]

[Udt].[Description]

[Udt].[FirstName]

[Udt].[GroupName]

[Udt].[IndividualProject]

[Udt].[IntValue]

[Udt].[LastName]

[Udt].[Location]

[Udt].[ModeOfInstruction]

[Udt].[Name]

[Udt].[RoomLocation]

[Udt].[Section]

[Udt].[SurrogateKeyInt]

♣ Uploadfile

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

[Uploadfile].[CurrentSemesterCourseOfferings]

△ Utils

Properties

Property	Value
Owner	dbo

SQL Script

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

Used By

 $[Utils]. [uvw_FindColumnDefinitionPlusDefaultAndCheckConstraint] \\$

△ YourLastName

Properties

Property	Value
Owner	dbo

SQL Script

CREATE SCHEMA [YourLastName]
AUTHORIZATION [dbo]
GO