1. Se realiza la creación de la base de datos

USE [master]

GO

/\*\*\*\*\*\* Object: Database [test\_events] Script Date: 18/10/2022 11:26:19 p. m. \*\*\*\*\*\*/

CREATE DATABASE [test\_events]

CONTAINMENT = NONE

ON PRIMARY

( NAME = N'test\_events', FILENAME = N'C:\rdsdbdata\DATA\test\_events.mdf' , SIZE = 8192KB , MAXSIZE = UNLIMITED, FILEGROWTH = 10%)

LOG ON

( NAME = N'test\_events\_log', FILENAME = N'C:\rdsdbdata\DATA\test\_events\_log.ldf' , SIZE = 1024KB , MAXSIZE = 2048GB , FILEGROWTH = 10%)

GO

IF (1 = FULLTEXTSERVICEPROPERTY('IsFullTextInstalled'))

begin

EXEC [test\_events].[dbo].[sp\_fulltext\_database] @action = 'enable'

end

GO

ALTER DATABASE [test\_events] SET ANSI\_NULL\_DEFAULT OFF

GO

ALTER DATABASE [test\_events] SET ANSI\_NULLS OFF

GO

ALTER DATABASE [test\_events] SET ANSI\_PADDING OFF

GO

ALTER DATABASE [test\_events] SET ANSI\_WARNINGS OFF

GO

ALTER DATABASE [test\_events] SET ARITHABORT OFF

GO

ALTER DATABASE [test\_events] SET AUTO\_CLOSE OFF

GO

ALTER DATABASE [test\_events] SET AUTO\_SHRINK OFF

GO

ALTER DATABASE [test\_events] SET AUTO\_UPDATE\_STATISTICS ON

GO

ALTER DATABASE [test\_events] SET CURSOR\_CLOSE\_ON\_COMMIT OFF

GO

ALTER DATABASE [test\_events] SET CURSOR\_DEFAULT GLOBAL

GO

ALTER DATABASE [test\_events] SET CONCAT\_NULL\_YIELDS\_NULL OFF

GO

ALTER DATABASE [test\_events] SET NUMERIC\_ROUNDABORT OFF

GO

ALTER DATABASE [test\_events] SET QUOTED\_IDENTIFIER OFF

GO

ALTER DATABASE [test\_events] SET RECURSIVE\_TRIGGERS OFF

GO

ALTER DATABASE [test\_events] SET DISABLE\_BROKER

GO

ALTER DATABASE [test\_events] SET AUTO\_UPDATE\_STATISTICS\_ASYNC OFF

GO

ALTER DATABASE [test\_events] SET DATE\_CORRELATION\_OPTIMIZATION OFF

GO

ALTER DATABASE [test\_events] SET TRUSTWORTHY OFF

GO

ALTER DATABASE [test\_events] SET ALLOW\_SNAPSHOT\_ISOLATION OFF

GO

ALTER DATABASE [test\_events] SET PARAMETERIZATION SIMPLE

GO

ALTER DATABASE [test\_events] SET READ\_COMMITTED\_SNAPSHOT OFF

GO

ALTER DATABASE [test\_events] SET HONOR\_BROKER\_PRIORITY OFF

GO

ALTER DATABASE [test\_events] SET RECOVERY SIMPLE

GO

ALTER DATABASE [test\_events] SET MULTI\_USER

GO

ALTER DATABASE [test\_events] SET PAGE\_VERIFY CHECKSUM

GO

ALTER DATABASE [test\_events] SET DB\_CHAINING OFF

GO

ALTER DATABASE [test\_events] SET FILESTREAM( NON\_TRANSACTED\_ACCESS = OFF )

GO

ALTER DATABASE [test\_events] SET TARGET\_RECOVERY\_TIME = 0 SECONDS

GO

ALTER DATABASE [test\_events] SET DELAYED\_DURABILITY = DISABLED

GO

ALTER DATABASE [test\_events] SET QUERY\_STORE = OFF

GO

USE [test\_events]

GO

ALTER DATABASE SCOPED CONFIGURATION SET LEGACY\_CARDINALITY\_ESTIMATION = OFF;

GO

ALTER DATABASE SCOPED CONFIGURATION SET MAXDOP = 0;

GO

ALTER DATABASE SCOPED CONFIGURATION SET PARAMETER\_SNIFFING = ON;

GO

ALTER DATABASE SCOPED CONFIGURATION SET QUERY\_OPTIMIZER\_HOTFIXES = OFF;

GO

ALTER DATABASE [test\_events] SET READ\_WRITE

GO

1. **Se realiza la creación de las tablas necesarias con la estructura correcta para la carga de la información.**
   1. **Catálogo de categorías**

USE [test\_events]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[dim\_category](

[catid] [float] NOT NULL,

[catgroup] [nvarchar](555) NULL,

[catname] [nvarchar](555) NULL,

[catdesc] [nvarchar](555) NULL,

CONSTRAINT [PK\_dim\_category] PRIMARY KEY CLUSTERED

(

[catid] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

* 1. **Tabla de fechas**

USE [test\_events]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[dim\_date](

[dateid] [float] NOT NULL,

[caldate] [datetime] NULL,

[day] [nvarchar](255) NULL,

[week] [float] NULL,

[month] [nvarchar](255) NULL,

[qtr] [float] NULL,

[year] [float] NULL,

[holiday] [nvarchar](255) NULL,

CONSTRAINT [PK\_dim\_date] PRIMARY KEY CLUSTERED

(

[dateid] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

* 1. **Dim Venue**

USE [test\_events]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[dim\_venue](

[venueid] [float] NOT NULL,

[venuename] [nvarchar](255) NULL,

[venuecity] [nvarchar](255) NULL,

[venuestate] [nvarchar](255) NULL,

[venueseats] [float] NULL,

CONSTRAINT [PK\_dim\_venue] PRIMARY KEY CLUSTERED

(

[venueid] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

* 1. **Tabla de Eventos**

USE [test\_events]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[events](

[eventid] [float] NOT NULL,

[venueid] [float] NULL,

[catid] [float] NULL,

[dateid] [float] NULL,

[eventname] [nvarchar](555) NULL,

[starttime] [date] NULL,

CONSTRAINT [PK\_events] PRIMARY KEY CLUSTERED

(

[eventid] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[events] WITH CHECK ADD CONSTRAINT [FK\_events\_dim\_category] FOREIGN KEY([catid])

REFERENCES [dbo].[dim\_category] ([catid])

GO

ALTER TABLE [dbo].[events] CHECK CONSTRAINT [FK\_events\_dim\_category]

GO

ALTER TABLE [dbo].[events] WITH CHECK ADD CONSTRAINT [FK\_events\_dim\_date] FOREIGN KEY([dateid])

REFERENCES [dbo].[dim\_date] ([dateid])

GO

ALTER TABLE [dbo].[events] CHECK CONSTRAINT [FK\_events\_dim\_date]

GO

ALTER TABLE [dbo].[events] WITH NOCHECK ADD CONSTRAINT [FK\_events\_dim\_venue1] FOREIGN KEY([venueid])

REFERENCES [dbo].[dim\_venue] ([venueid])

GO

ALTER TABLE [dbo].[events] CHECK CONSTRAINT [FK\_events\_dim\_venue1]

GO

* 1. **Tabla de ventas**

USE [test\_events]

GO

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

CREATE TABLE [dbo].[fact\_sales](

[salesid] [float] NOT NULL,

[listid] [float] NULL,

[sellerid] [float] NULL,

[buyerid] [float] NULL,

[eventid] [float] NULL,

[dateid] [float] NULL,

[qtysold] [float] NULL,

[pricepaid] [float] NULL,

[commission] [float] NULL,

[saletime] [datetime] NULL,

CONSTRAINT [PK\_fact\_sales] PRIMARY KEY CLUSTERED

(

[salesid] ASC

)WITH (PAD\_INDEX = OFF, STATISTICS\_NORECOMPUTE = OFF, IGNORE\_DUP\_KEY = OFF, ALLOW\_ROW\_LOCKS = ON, ALLOW\_PAGE\_LOCKS = ON) ON [PRIMARY]

) ON [PRIMARY]

GO

ALTER TABLE [dbo].[fact\_sales] WITH CHECK ADD CONSTRAINT [FK\_fact\_sales\_events] FOREIGN KEY([dateid])

REFERENCES [dbo].[events] ([eventid])

GO

ALTER TABLE [dbo].[fact\_sales] CHECK CONSTRAINT [FK\_fact\_sales\_events]

GO

Para realizar la carga de la información se comparte un proyecto de Integration Services para que se pueda ejecutar y realizar la carga de la información, siguiendo los siguientes pasos:

* Copiar la carpeta “data” en la raíz del disco “C:”
* Crear una nueva conexión OLE DB en el servidor que se genero la estructura de la base de datos
  + Click derecho en el panel de conexiones dentro del dataflow task.

Captura de pantalla de computadora

Descripción generada automáticamente

* Se actualizan los objetos de destino OLE DB dando doble click sobre ellos y apuntar a la nueva conexión

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente

Al momento de realizar todas las modificaciones se deberá ejecuta el paquete de análisis services para realizar el volcado de la información

Interfaz de usuario gráfica, Aplicación

Descripción generada automáticamente