

/***** Object: StoredProcedure [dbo].[uspReplaceFK] Script Date: 04/18/2010 18:58:09 *****/

SET ANSI_NULLS ON

GO

SET QUOTED_IDENTIFIER ON

GO

-- =====

-- Author: Сергей Минюров

-- Create date: 18 апреля 2010

-- Description: Замена старого значения в зависимых таблицах от исходной

-- на новое значение

-- =====

CREATE PROCEDURE [dbo].[uspReplaceFK]

@SourceTable As NVARCHAR(128), -- Исходная (справочная) таблица

@OldId As BIGINT, -- Старое (заменяемое) значение

@NewId As BIGINT, -- Новое значение

@TraceOutput AS BIT = 0 -- Вывод данных в зависимых таблицах до и после замены значений

AS

BEGIN

SET NOCOUNT ON;

IF OBJECT_ID(@SourceTable, N'U') IS NULL BEGIN

print N'uspReplaceFK: Source table '' + @SourceTable + N'' not found'

RETURN 1

END

DECLARE @TargetTable AS NVARCHAR(128);

DECLARE @ForeignKey AS NVARCHAR(128);

DECLARE @SelectCmd AS NVARCHAR(512);

DECLARE @UpdateCmd AS NVARCHAR(512);

DECLARE DependedTables CURSOR FAST_FORWARD FOR

SELECT SCHEMA_NAME(t.schema_id) + N'.' + OBJECT_NAME(fk.parent_object_id) TargetTable, c.name

ForeignKey

FROM sys.foreign_key_columns fk

INNER JOIN sys.tables t ON fk.parent_object_id = t.object_id

INNER JOIN sys.all_columns c ON fk.parent_object_id = c.object_id AND fk.parent_column_id = c.

column_id

WHERE fk.referenced_object_id = (SELECT OBJECT_ID(@SourceTable, N'U'))

OPEN DependedTables;

FETCH NEXT FROM DependedTables INTO @TargetTable, @ForeignKey;

IF @@FETCH_STATUS <> 0 BEGIN

PRINT 'uspReplaceFK: No data for dependencies'

RETURN 2

END

WHILE @@FETCH_STATUS = 0 BEGIN

IF @TraceOutput <> 0 BEGIN

SET @SelectCmd = N'SELECT ''' + @TargetTable + ''' AS Before, * FROM ' + @TargetTable + ' WHERE ' +

@ForeignKey + N' IN (' + CAST(@OldID AS NVARCHAR) + N', ' + CAST(@NewID AS NVARCHAR) + N')'

EXEC sp_executesql @SelectCmd;

END

SET @UpdateCmd = N'UPDATE ' + @TargetTable +

+ N' SET ' + @ForeignKey + N' = ' + CAST(@NewID AS NVARCHAR)

+ N' WHERE ' + @ForeignKey + N' = ' + CAST(@OldID AS NVARCHAR);

--print @UpdateCmd;

EXEC sp_executesql @UpdateCmd;

IF @TraceOutput <> 0 BEGIN

SET @SelectCmd = N'SELECT ''' + @TargetTable + ''' AS After, * FROM ' + @TargetTable + ' WHERE ' +

@ForeignKey + N' IN (' + CAST(@OldID AS NVARCHAR) + N', ' + CAST(@NewID AS NVARCHAR) + N')'

EXEC sp_executesql @SelectCmd;

END

FETCH NEXT FROM DependedTables INTO @TargetTable, @ForeignKey;

END

CLOSE DependedTables;

DEALLOCATE DependedTables;

END

GO