SQL Server In Memory By Design Presentation Supplementary Material

To set Windows OS on VirtualBox on Linux one may need tinyurl.com/m25o6at

Region of Peel Food Check OData set <http://opendata.peelregion.ca/data-categories/food-check/food-check-peel.aspx>

Regular table create script:

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- CREATE TABLE FoodCheckPeel  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

CREATE TABLE dbo.FoodCheckPeel  
(   
 [idFoodCheckPeel] [int] IDENTITY(1, 1) NOT NULL,  
 [FACILITY\_NUMBER] [varchar](50) NOT NULL,  
 [FACILITY\_NAME] [varchar](500) NOT NULL,  
 [FACILITY\_TYPE] [varchar](50) NOT NULL,  
 [STREET\_NUMBER] [varchar](50) NOT NULL,  
 [STREET\_NAME] [varchar](50) NOT NULL,  
 [STREET\_DIR] [varchar](50) NOT NULL,  
 [CITY] [varchar](50) NOT NULL,  
 [INSPECTION\_DATE] [varchar](50) NOT NULL,  
 [STATUS] [varchar](50) NOT NULL  
 CONSTRAINT PK\_idFoodCheckPeel PRIMARY KEY NONCLUSTERED (idFoodCheckPeel)   
)  
GO

-- \*\*\*\*\*\*\*\*\*\*\*\* END \*\*\*\*\*\*\*\*\*\*\*

Compare script

SET NOCOUNT ON -- Best practice always

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- \*\*\* DON'T DO THAT AT WORK! \*\*\*  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
DBCC dropcleanbuffers()  
DBCC freeproccache()  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SET STATISTICS TIME ON

SET STATISTICS TIME OFF

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
DBCC dropcleanbuffers()  
DBCC freeproccache()  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SET STATISTICS TIME ON

SET STATISTICS TIME OFF

SET NOCOUNT OFF  
GO

In-memory table create script

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
-- CREATE TABLE FoodCheckPeel\_InMem  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
CREATE TABLE dbo.FoodCheckPeel\_InMem  
(   
 [idFoodCheckPeel\_InMem] [int] IDENTITY(1, 1) NOT NULL,  
 [FACILITY\_NUMBER] [varchar](50) NOT NULL,  
 [FACILITY\_NAME] [varchar](500) NOT NULL,  
 [FACILITY\_TYPE] [varchar](50) NOT NULL,  
 [STREET\_NUMBER] [varchar](50) NOT NULL,  
 [STREET\_NAME] [varchar](50) NOT NULL,  
 [STREET\_DIR] [varchar](50) NOT NULL,  
 [CITY] [varchar](50) NOT NULL,  
 [INSPECTION\_DATE] [varchar](50) NOT NULL,  
 [STATUS] [varchar](50) NOT NULL  
 CONSTRAINT PK\_idFoodCheckPeel\_InMem PRIMARY KEY NONCLUSTERED (idFoodCheckPeel\_InMem),  
 -- See SQL Server Books Online for guidelines on determining appropriate bucket count for the index  
 -- or MSDN <http://msdn.microsoft.com/en-us/library/dn494956(v=sql.120).aspx>  
 INDEX hash\_index\_FoodCheckPeel\_InMem\_id HASH (idFoodCheckPeel\_InMem) WITH (BUCKET\_COUNT = 60000)   
) WITH (MEMORY\_OPTIMIZED = ON, DURABILITY = SCHEMA\_AND\_DATA)  
GO  
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*