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](http://msdn.microsoft.com/en-us/library/dn494956%28v%3Dsql.120%29.aspx)
 INDEX hash\_index\_FoodCheckPeel\_InMem\_id HASH (idFoodCheckPeel\_InMem) WITH (BUCKET\_COUNT = 60000)
) WITH (MEMORY\_OPTIMIZED = ON, DURABILITY = SCHEMA\_AND\_DATA)
GO
-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*