**In-Memory OLTP (a.k.a. “Hekaton”) Demo Setup**

**IMPORTANT!**

* **The demo results depends on the type of hardware used. For optimum result, use system with at least 4 physical CPU cores, 16 GB RAM, and SSD drives. If you have only 4 physical cores, make sure hyperthreading is turned on, such that you have at least 8 logical cores.**
* **Practice, practice, practice:**
* **Make sure you run the demo many times beforehand so there is no surprises during actual customer demos**
* **Time your actual demo time, log file will fill up very fast (currently set at 10GB) so don’t run the demo too long**

1. Setup VM

* Create a new Hyper-V VM with Windows Server 2012 or later. Associate all logical processors with the VM, and give it at least 12GB of memory or 16GB of memory (preferred).
* Install vanilla copy of SQL Server 2014 with database engine
* For speed, use SSD drive for data and log files. Follow these steps:
* In Hyper-V manager, create two new fixed disks (size 20 GB each) to the VM. Make sure these disks are in different drive than your VM drive to speed up performance. Call one disk SSDData.vhdx and another one SSDLog.vhdx
* Add the disks into the VM
* Inside the VM, mount the new disks to L: and M: for Data and Log Files respectively
* Create L:\Data and M:\Data respectively (**Important Note: Give everyone read/write permissions to L: and M: drives so SQL Server services can create mdf, ldf, and temp files in the drives**)

2. Copy In-Memory OLTP demo executable

- In the binaries folder, copy all files (DundasWinGauge.dll, Original In-Memory OLTP.exe, and New Skin In-Memory OLTP) into the VM. Just place them on the desktop for easy access.

3. Reset the database

- Open the script, Demo Reset.sql and run it (this might takes several minutes to run). That will create a database called TicketReservations (**Important Note: Give everyone read/write permissions to L: and M: drives so SQL Server services can create mdf, ldf, and temp files in the drives**)

4. Restore AMR report

- Inside the VM, restore mdw database from the backup file mdw.bak

- Run both MDWFix.sql and MDW\_SprocUsage\_Fix.sql

- To show the AMR reports, go to mdw->reports->Management Data Warehouse->Transaction Performance Analysis Overview

5. Run the demo (Original Skin or New Skin)

- Open Original In-Memory OLTP.exe or New Skin In-Memory OLTP.exe and run the demo using In-Memory OLTP Demo Steps and Talking Points.docx provided

- To reset the demo, run step 3 above