Spotlight Technology

Data Warehouse, BI, Analytics, and Visualization Products/Services for the Teradata Marketplace

TAKE THE
100M TRANSACTION CHALLENGE

GRAND PRIZE!
REMOTE-CONTROLLED DRONE COMPLETE WITH CAMERA!
See Your Data from New Heights!…

What is The 100M Transaction Challenge?

The 100M Transaction Challenge (The Challenge) is a fun exercise, based on the original Microsoft Adventureworks2014™ training database to highlight the challenges of creating and using data warehouse databases. The purpose of The Challenge is to create a data warehousing environment of reasonable size to emulate the needs of a mid-tier company … and then to learn from the challenges of running queries where over 100 million orders would need to be analyzed. The winner receives a remote-controlled drone and camera that takes aerial photographs that can be displayed on a laptop, tablet or PC.

General Activities

As most users know, the Microsoft Adventureworks2014™ database is based on a retail bicycle business and is an excellent training database for SQL Server users. Spotlight Technology, LLC has expanded this database from approximately 31,000 orders and 121,000 line items to over 100 million orders and almost 400 million line items in addition to other basic tables (i.e., Customers, Persons, Categories, SubCategories, Territories, Stores). Similarly, most of these dimensions have been expanded to emulate an actual mid-tier company's size and volume in an actual data warehousing environment. Steps in The Challenge include:

- Sign-up for The Challenge to receive DVD's containing the instructions, data, and queries
- Create a Database (under 50GB) and Tables for The Challenge
- Load the Data
- Run the provided queries and record timings/results on the Submittal form provided
- Submit results by November 30th, 2015

Participation & Judging

The prize will be awarded for the sum of the fastest overall query times for the set of queries provided. Participants are free to modify tables, structures and query syntax as long as all modifications are fully documented in the Submittal and the queries provide the same answers. Winners will be announced via Spotlight's web site no later than December 15th, 2015. Spotlight will publish the results under anonymous "Challenge Names" to maintain confidentiality. Participants can enter multiple times. A new submittal and Challenge Name is required for each entry.

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