

## Vantage: Optimizing Advanced SQL Engine through Physical Design Training

## Course Outline

- 0. Course Introduction
- 1. Mixed Workload Overview
- 2. Case Study
- 3. Data Collection
- 4. Workload Analysis Process
- 5. Establishing A Baseline
- 6. Excel Pivot Tables
- 7. Primary Index, Partitioning, and Sparse Maps
- 8. PI, Partitioning and Sparse Maps Lab
- 9. PI and Partitioning Analysis
- 10. Secondary Indexes and System Calendar
- 11. Secondary Index and Materializing System Calendar Lab
- 12. SI and System Calendar Analysis
- 13. Join Indexes & Multi-value Compression
- 14. Join Index Analysis
- 15. Additional Design Techniques
- 16. Mixed Workload Design Summary