

Teradata DBA Course Content:35-40hours

Course Outline

Module 1

- Teradata Overview
- What and Why Teradata
- Teradata History
- Teradata Advantages
- Teradata Architecture
- Teradata Space
- Data Distribution, Storing and Accessing Data

Module 2

- Teradata Indexes
- Unique Primary Index
- Non- Unique Primary Index
- Unique Secondary Index
- Non Unique Secondary Index
- Partition Primary Index
- Value Ordered Non Unique Secondary Index

Module 3

- Teradata-Data Protection
- Transient Journal
- Fallback
- Permanent Journal
- Locks and their Compatibility

Module 4

- Teradata Tools and Utilities
- Fast load Utility

- Multi load Utility
- Fast Export Utility
- TPUMP
- Teradata warehouse Builder
- Query Submitting Tools
- Administrative tools
- Teradata

Module 5

- Teradata SQL and BTEQ
- ANSI vs. Teradata
- Naming Rules – Teradata Extensions
- BTEQ: Basic Teradata Query
- Help Functions
- Logical and Conditional Expressions
- Data Conversions and Computations
- Attribute Functions
- Joins
- Data Definition, Data Manipulation
- Macros
- Aggregating Groups
- Set Operators
- Totals and Sub Totals
- Case & Coalesce Expression
- String Functions
- Online Analytical Functions
- ANSI Time/Timestamp and Dates
- OLAP & Window Functions

Module 6

- Physical Database Design and Tuning
- Introduction
- Database Design Components
- Demographics
- Database Environment
- Collecting Statistics
- Teradata Join Processing
- Join Strategies
- Explain Plan
- Join Indexes
- Performance Tuning

Module 7

- Teradata Administration
- Introduction
- Users, Accounts Creation
- Teradata
- Access Rights
- System Access Control
- Access Logging
- System Access Control
- Data Protection
- Archiving Data
- Restoring Data
- Priority Scheduler
- Teradata Utilities
- Performance Monitoring Tools
- Teradata Dynamic Query Manager
- Teradata Manager
- Administrative Tools
- Charts and Reports
- Log & Alert Facility
- Tunable Parameters