

Teradata Online Training Course Content

Faculty: Real time and certified

(Includes theoretical as well as practical sessions)

What is Teradata why it is?

- What is Teradata?
- Teradata v12 & versions
- Teradata History
- Teradata user's scalability
- Teradata & other RDBMS
- Teradata warehouse
- Teradata in the Enterprise
- Interview Q&A and Certification queries
- Real time Issues & resolving

TERADATA ARCHITECTURE & its COMPONENTS

- Node Architecture (Shared Architecture)
- SMP Architecture
- MPP Architecture
- Parsing engine (PE) Architecture
- AMP Architecture & uses
- Bynet Benefits & types
- Parallel data extension (PDE)
- Teradata directory program (TDP)
- Call level interface (CLI)
- Trusted parallel application (TPA)
- Virtual processors
- Bynet 0 & Bynet 1
- Parallism Architecture

RECOVERY & PROTECTION OF DATA

- What is fall back & where it used
- Why for fall back
- What is Clique?
- AMP Clustering
- & types for simultaneous Access
- Why for locks & how to release
- RAID 1 & RAID 5

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Journals & types
Virtual Disk Array
How & where is a used journals?
Q & A about data recovery

TERADATA INDEXES

Types of indexes in Teradata
Hash index
Join index
Primary index (unique, non- unique)
Secondary index (unique, non- unique)
Skewness
Keys & indexes (How & why these used)

HOW TO STORAGE & RETRIEVAL OF DATA

Hash algorithm
Hash
Hash map
Hash bucket
Receiving V-Disc

TERADATA SQL QUARRYMAN

SQL fundamentals
Data types and literals
DDL Statements
DML Statements
Teradata naming conversing

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TERADATA SQL FUNCTIONS & OPERATIONS

String functions
Format functions
Cast functions
Cast functions

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- Group & Aggregation functions
- Logical operations
- Arithmetic operations
- Set operations
- Join operations
- Conditional expressions

TERADATA JOIN STRATEGIES & UNIONS

- Hash join
- Merge join
- Nested join
- Product join
- Inner join
- Left & right outer join
- Full outer join

TERADATA BASIC COMMANDS

- Help
- Show
- Explain
- Collect statistics

TERADATA OBJECTS

Types of tables

- Set tables
- Multi tables
- Volatile tables
- Global temporary tables
- Views
- Macros
- Stored procedures
- Triggers

TERADATA MEMORY SPACES

- Permanent spaces
- Temporary spaces
- Spool spaces
- User's spaces & PWD

TERADATA MEMORY SPACES

- Permanent spaces

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TERADATA TRANSACTION MODES

- Batch mode
- BTET mode
- ANSI mode
- How converted into others

TERADATA PERFORMANCE TUNING ON SQL ASSISTANCE

- Usage of PMON
- Explain usage
- Collecting statistics
- SQL tuning
- Various SQL statements
- Real time Issues & resolving

TERADATA UTILITIES & TOOLS (IMPORT & EXPORT)

Teradata BTEq scripts

- Overview of BTEq
- Looping stages
- Batches scripts
- Import & export scripts with Examples
- Error handling
- Real time scripts

Teradata Fast Load

- Types of phages & how to find it
- Advantages & its process
- Limitations of fast load
- Real time scripts

Teradata MultiLoad

- Overview of Multi load
- Types of phages in MultiLoad
- Advantages & its process
- Limitations of MultiLoad
- Uses various types of operations

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Work on Multi tables
Real time scripts
Sample scripts

Teradata T pump

Overview of T pump
Limitations of T pump
Work on Multi tables
Real time scripts
Sample scripts

Teradata Fast Export

How to export the data
Passing parameters
IN/OUT Modes
Work on Multi tables
Real time scripts
Sample scripts
Teradata SQL Assistant(Quarryman)
Teradata performance monitor
Teradata Administrator usage
Teradata performance tuning on scripts

KEY SERVICE

FAQS
Covering DBA concepts
Concentration on performance tuning
Real time scenarios
Certification guidance
Resume preparation
Sample resumes
Interview & certification FAQS
How to face the interview
Class notes which is useful for who is trying for job
Project preparation