

Teradata Course Content

What is Teradata?

- Teradata v12 & next versions
- Teradata History
- Teradata users scalability
- Teradata and other R-DBMS's
- Teradata is a warehouse
- Teradata in the Enterprise level
- Interview Questions & Answers and Certification support
- Real time Scenarios & Problems – Solutions

TERADATA ARCHITECTURE & its COMPONENTS

- Node Architecture (Shared Architecture)
- SMP Architecture
- MPP Architecture
- Parsing engine(PE) Architecture
- AMP Architecture & usage
- Bynet Benefits and types
- Parallel data extension-(PDE)
- Teradata directory program(TDP)
- Call level interface-(CLI)
- Trusted parallel application-(TPA)
- Virtual processors
- Bynet 0 and 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 and RAID 5

- Journals and types
- Virtual Disk Array
- How & where is used journals
- Q and 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 VDisc

TERADATA SQL QUARRYMAN

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

TERADATA SQL FUNCTIONS & OPERATIONS

- String functions
- Format functions
- Cast functions
- Cast functions
- Group and 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 MEMORY SPACES

- Permanent spaces
- Temporary spaces
- Spool spaces
- Users spaces & PWD

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 FastLoad
- 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
- 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 and 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
- DBA concepts
- Performance tuning
- Real time scenarios and solutions
- Certification support
- Preparation of Resume
- Sample Resumes will be provided
- Interview Questions & Answers
- How to attend the interview's
- Complete Project explanation