

Teradata Basics

Lesson 00:

IGATE is now a part of Capgemini

People matter, results count.



Course Goals and Non Goals

- Course Goals

- At the end of this program, participants gain an understanding of Teradata.

- Course Non Goals

- Implementation of advanced programming concepts of Teradata is not the part of this course.



Pre-requisites

- Fair knowledge of Database

Intended Audience

- Software Engineers and Senior Software Engineers



Day Wise Schedule

- Day 1
 - Lesson 1: An Overview of Teradata
- Day 2
 - Lesson 2: Primary Index Mechanics
- Day 3
 - Lesson 3: Teradata Utilities(Bteq)
- Day 4
 - Lesson 4: Teradata Utilities (Fast Export)
 - Lesson 5: Teradata Utilities(FastLoad)
- Day 5
 - Lesson 6: Teradata Utilities(MultiLoad)
 - Lesson 7: OLAP Functionalities

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- Lesson 1: An Overview of Teradata
 - RDBMS Concepts
 - Teradata Overview
 - Teradata and Data warehouse
 - Components and Architecture
 - Teradata Utilities
- Lesson 2: Primary Index Mechanics
 - Primary Index Mechanics
 - Storing and Accessing data
 - Introduction about Teradata Utility.

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- Lesson 3: Teradata Utilities(Bteq)

- Introduction to BTEQ.
- Use of BTEQ
- Transaction Mode in BTEQ
- Conditional Logic in BTEQ
- Teradata Training to BTEQ
- BTEQ Return Codes
- Using BTEQ to Export Data
- Using BTEQ to Import Data
- BTEQ Commands

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- Lesson 4: Teradata Utilities (Fast Export)
 - Fast Export Definition
 - Supporting Environment
 - Execution Process
 - Start with .BEGIN EXPORT and .END EXPORT
 - Set the output file with .EXPORT
 - Fast Export Support and Task Commands
 - Some key features of Fast Export

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- Lesson 5: Teradata Utilities(FastLoad)

- Introduction about Teradata Utility
- Introduction to Fast Load
- Supporting Environment
- Key requirements for Fast Load
- Basic steps for Fast Load
- Loading Phase
- Simple Fast Load Script
- BEGIN LOADING Statement
- END LOADING Statement
- INSERT Statement
- Data Type Conversion in Fast Load
- Fast Load Restartibility
- Fast Load Command

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- Lesson 6: Teradata Utilities(MultiLoad)
 - Introduction about Teradata Utility
 - About Multi load
 - Supporting Environment
 - Multi Load Tasks
 - Multi Load Tasks-IMPORT
 - Phases of Import Task
 - Example of Import Task
 - Multi Load Tasks-Delete
 - Example of Delete Task
 - DELETE Task Differences from IMPORT Task
 - Restarting Multiload
 - MultiLoad Commands
 - To be familiar with popular OLAP functions.

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- 6.6: Types of data used in Data mining
- 6.7: Data Mining applications
- 6.8: Data Mining products
- 6.9: Data Mining market

- Lesson 7: OLAP Functionalities
 - To be familiar with the PARTITION By concept.
 - To be familiar with RANK() ,ROW_NUMBER(), QUALIFY functions
 - Aggregation Function

References

- Student material:
 - Class Book (presentation slides with notes)



Next Step Courses (if applicable)

- BI related tool training



Other Parallel Technology Areas

- NA