TERADATA

IDEA:-

TERADATA IS A FULLY SCALABLE RELATIONAL DATABASE MANAGEMENT SYSTEM PRODUCED BY TERADATA CROP. IT IS WIDELY USED TO MANAGE LARGE DATA WAREHOUSING OPERATIONS.

TERADATA CORPORATION IS A PROVIS=DER OF DATABASE RELATED PRODUCTS AND SERVICES. THE COMPANY WAS FORMED IN 1979 IN BRENTWOOD CALIFORNIA; AS A COLLABORATION BETWEEN RESEARCHERS AT CALTECH AND CITIBANKS ADVANCED TECHNOLOGY GROUP.

ADVANTAGES OF TERADATA:-

* BETTER PERFORMANCE AND SPEED COMPARED TO GENERIC ODBC STAGE.
* SUPPORT TO CLIENT.
* SIMPLIFIED CONFIGURATION ON UNIX PLATFORM.
* ADVANCED SUPPORT FOR TARGGET TABLE ODl
* NATIVE METADATA IMPORT SUPPORT.
* REJECT ROWS HEADING.

DISADVANTAGES

* DOES NOT SUPPORT NON-ANSI SQL STATEMENTS.
* DOES NOT SUPPORT BYTE DATA TYPES
* DOES NOT GENERATE TO VERSION SPECIFIC SQLs AS STAGE GENERATED SQL STATEMENTS.
* DOES NOT SUPPORT ‘LIKE’ IN THE USER DEFINED SQL WHEN SUED AS LOOKUP.

TERADATA ACTS AS A SINGLE DATA STORE THAT ACCEPTS A LARGE NUMBER OF CONCURRENT REQUEST FROM MULTIPLE CLIENT APPLICATIONS.

THE FEATURES OF TERADATA ARE:-

* UNLIMITED PARALLELISM.
* SHARED NOTHING ARCHITECTURE.
* LINEAR SCALABILITY.
* CONNECTIVITY.
* MATURE OPMITIZER.
* SQL.
* ROBUST UTILITIES.
* AUTOMATIC DISTRIBUTION.

TERADATA IS 13.0 RELEASED IN 2008.14.0 INTRIDUCED IN 2012 AND 15.0 INTRODUCED IN 2014.

WHY WE LIKE TO CHOOSE TERADATA

* TERADATA SUPPORTS MORELARGER WAREHOUSE DATA THAN ALL COMPETITORS COMBINED.
* PROVIDES A PARALLEL – AWARE OPTIMIZER THAT MAKES QUERY TUNING UNNECESSARY TO GET AQUERY TO RUN.
* AUTOMATIC AND EVEN DATA DISTRIBUTION ELIMINATES COMPLEX INDEXING SCHEMES OR TIME CONSUMING RE-ORGANISTIONS.

TERADATA CAN BE USED AS

* ENTERPRISE DATA WAREHOUSING.
* ACTIVE DATA WAREHOUSING.
* CUSTOMER RELATIONSHIP MANAGEMENT.
* INTERNET AND BUSINESS.
* DATA MARTS.

LICENSING MODEL:-

TERADATA IS MOVING AWAY FROM OUR PERPETUAL LICENSING TO SUBSCRIPTION BASED LICENSING TO MAKE THIS PORTABILITY POSSIBLE.

INTEND BEHIND MAKING IT OPEN SOURCE:-

THE CONCEPT OF TERADATA GREW OUT OF RESEARCH AT CALIFORNIA INSTITUTE OF TECHNOLOGY AND FROM THE DISCUSION OF CITIBANKS ADVANCED TECHNOLOGY GROUP.

MONETIZATION MODEL:-

THE NAME TERADATA SYMBOLIZED THE ABILITY TO MANAGE TERABYTES (TRILLIONS OF BYTES) OF DATA. THE FOUNDER SPENT THE NEXT YEAR RAISING FINANCING.

POPULARITY:-

TERADATA IS A POPULAR RELATIONAL DATABASE MANAGEMENT SYSTEM (RDBMS) SUITABLE FOR LARGE DATA WAREHOUSING APPLICATIONS.IT IS CAPABLE OF HANDLING LARGE VOLUMNS OF DATA AND IS HIGHLY SCALABLE.

IMPACT:-

GRID MONITORING AND COMMUNICATIONS COMPANY OF THE YEAT 2010 BY NEW ECONOMY MAGAZINES TERADATA PARTNER.IMPACT AWARD FOR INNOVATION IN THE INDEPENDENT SOFTWARE.